

Indian Institute of Technology Gandhinagar

LIBRARY

Cumulative List of Theses

Accession No.: T00001-T01538

To see this collection in Institutional Repository please visit this link:

<https://repository.iitgn.ac.in/browse?value=Thesis&type=type>



Tabel of Content

Theses Facts	4
List of Ph.D. Theses	5
Biological Sciences and Engineering (35)	6
Chemical Engineering (41).....	12
Chemistry (49)	18
Civil Engineering (42).....	26
Cognitive and Brain Sciences (19)	32
Computer Science and Engineering(19)	35
Earth Sciences (33)	38
Electrical Engineering (61).....	43
Humanities and Social Sciences(33)	52
Materials Engineering (23)	57
Mathematics (21)	60
Mechanical Engineering (25).....	63
Physics (135).....	67
List of M.Tech. Theses.....	87
Biological Sciences and Engineering (93)	88
Chemical Engineering (122).....	102
Civil Engineering (169).....	120
Computer Science and Engineering (98)	144
Earth Sciences (23)	158
Electrical Engineering (233).....	162
Materials Engineering(94)	195
Mechanical Engineering (156).....	209
List of MSc. Theses.....	232
Chemistry (13)	233
Cognitive and Brain Sciences (1)	234

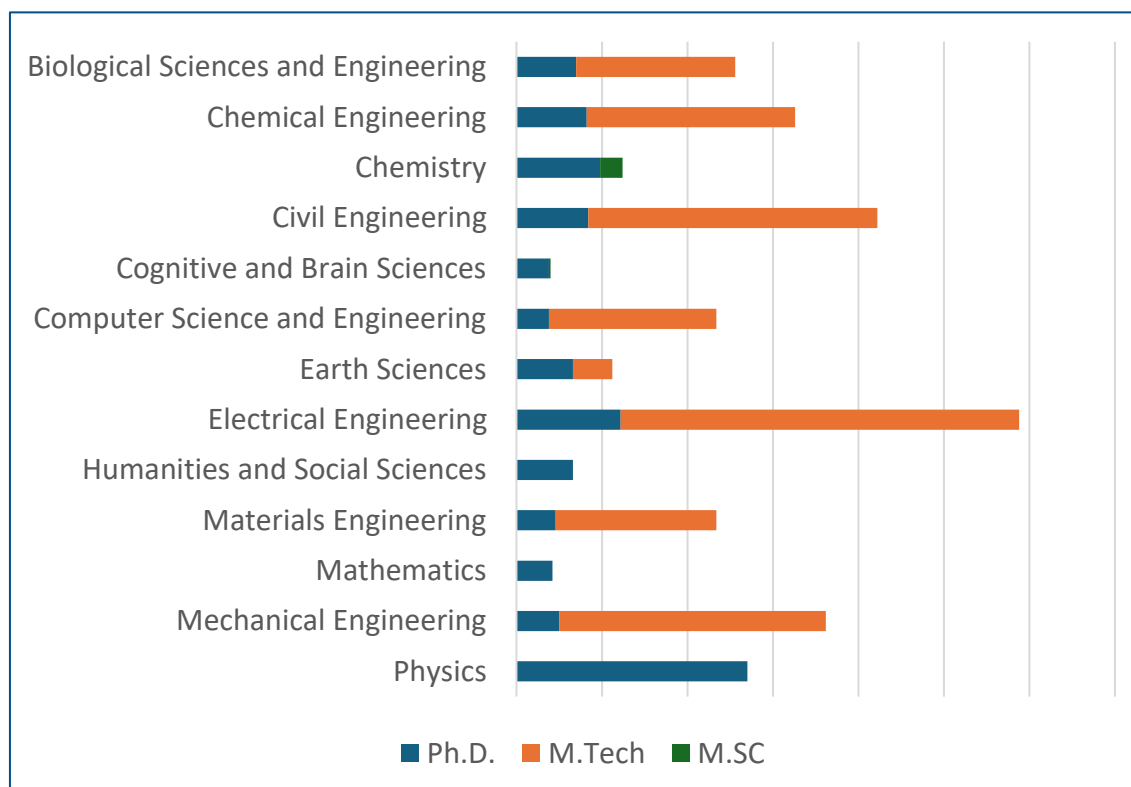
Theses Facts

- Theses at a glance

Program	No. of Theses
Ph.D.	536
M. Tech.	988
MSc.	14
Total	1538

- Department wise Ph.D. & M.Tech Theses

Department	Ph.D.	M.Tech	M.SC	Grand Total
Biological Sciences and Engineering	35	93		128
Chemical Engineering	41	122		163
Chemistry	49		13	62
Civil Engineering	42	169		211
Cognitive and Brain Sciences	19		1	20
Computer Science and Engineering	19	98		117
Earth Sciences	33	23		56
Electrical Engineering	61	233		294
Humanities and Social Sciences	33			33
Materials Engineering	23	94		117
Mathematics	21			21
Mechanical Engineering	25	156		181
Physics	135			135
Grand Total	536	988	14	1538



List of Ph.D. Theses

Biological Sciences and Engineering (35)

Title: Tau protein post-translational modification and small molecules interaction: molecular mechanisms of fibrillary assemblies, disassembly and aggregation inhibition

Author: Krishankumar, V. Guru

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2018

Call No.: 572.6 KRI

Acc. No.: T00269

Title: Interaction of dimeric carbocyanine dye with G-rich DNA

Author: Chilka, Pallavi

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2019

Call No.: 572.86 CHI

Acc. No.: T00523

Title: Development of peptide-based inhibitors towards tau protein aggregation in Alzheimer's disease and sonic hedgehog protein in the hedgehog signaling pathway

Author: Ralhan, Krittika

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2019

Call No.: 572.65 RAL

Acc. No.: T00528

Title: Theoretical investigation of carbohydrates and glycoproteins: elucidating structure, function and mechanism

Author: Pandey, Poonam

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2019

Call No.: 572.6 PAN

Acc. No.: T00529

Title: Molecular Investigation of ATR and NFBD1 as therapeutic targets in cancer

Author: Bhakuni, Rashmi

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2019

Call No.: 616.075 BHA

Acc. No.: T00539

Title: Two-dimensional films and three-dimensional macrostructures from the aqueous dispersion of graphene oxide: synthesis, rheology, and applications

Author: Ojha, Abhijeet

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 662.9 OJH

Acc. No.: T00540

Title: Development of nanobioconjugates for the efficient extraction of bioactive compounds and for the detection of environmental and clinical analytes

Author: Kumar, Sanjay

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2019

Call No.: 620.8 KUM

Acc. No.: T00547

Title: Mechanistic and characteristic investigation of recombinant eukaryotic hCD151 and prokaryotic HpIMPDPH protein

Author: P., Gayathri

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2019

Call No.: 572 GAY

Acc. No.: T00548

Title: Validation of human tousel-like kinase 1B as a molecular target for anticancer therapy

Author: Bhoir, Siddhant Pandurang

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 616.99 BHO

Acc. No.: T00574

Title: Crystal Engineering of poorly water-soluble drugs

Author: Indumathi, S

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 548 IND

Acc. No.: T00692

Title: Investigation of protein-protein interactions in Tuberous Sclerosis Complex (TSC) and structural identification of Netrin-NTR

Author: Natarajan, Nalini

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 618.928 NAT

Acc. No.: T00693

Title: Biochemical and Bioinformatic studies of THAP9 transposase and other THAP proteins

Author: Sanghavi, Hiral M.

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 570.285 SAN

Acc. No.: T00694

Title: Functional relevance of subtle patterns of cytosine methylation: a regulatory framework of human CGGBP1

Author: Patel, Manthan

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 574 PAT

Acc. No.: T00695

Title: Modulatory crosstalk between chromatin components: the CGGBP1-CTCF axis

Author: Patel, Divyesh

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 574 PAT

Acc. No.: T00696

Title: Molecular mechanism of intracellular cargo transport system

Author: Patel, Nishaben

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 574.22 PAT

Acc. No.: T00697

Title: Mechanisms of DNA binding and transposition by THAP9

Author: Sharma, Vasudha

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 572.869 SHA

Acc. No.: T00698

Title: Reservoir based co-delivery of CuO nanoparticles and Elesclomol to facilitate enhanced dissolution mediated intracellular oxidative stress

Author: Chakraborty, Swaroop

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 574 CHA

Acc. No.: T00699

Title: α -synuclein fibrillogenesis inhibitors and impact of charge neutralizing lysine post-translational modifications on α -synuclein and tau derived peptide aggregation

Author: Gadhavi, Joshna Dharmendrabhai

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2022

Call No.: 612.8 GAD

Acc. No.: T00948

Title: Studying endocytic uptake of nanostructures and pathogenic protein aggregates in model neurons

Author: Hivare, Pravin

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 570 HIV

Acc. No.: T00956

Title: Design, synthesis and characterisation of organic fluorophores for visualization of cellular organelles

Author: Mukherjee, Tarushyam

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 571.65 MUK

Acc. No.: T00957

Title: Identification and screening of G-quadruplex structures in DNA and long non-coding RNAs

Author: Desai, Nakshi Nayan

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2022

Call No.: 572.85 DES

Acc. No.: T00958

Title: Role of retrograde motor proteins in regulation of cellular endocytic processes, cell migration and invasion

Author: Mayya, Chaithra

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2022

Call No.: 570 MAY

Acc. No.: T01028

Title: Geometry of DNA nanostructures influences cellular and in vivo uptake, stimulating differentiation and cell migration

Author: Rajwar, Anjali

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2022

Call No.: 572.86 RAJ

Acc. No.: T01040

Title: Mechanochemical properties and function of kinesin-3 motors

Author: Shewale, Dipeshwari

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2023

Call No.: 572.6 SHE

Acc. No.: T01041

Title: Investigating the conservation and disease association of THAP9 using sequence, structure, and expression data

Author: Rashmi, Richa

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2022

Call No.: 660.65 RAS

Acc. No.: T01046

Title: Role of human CGGBP1 in the maintenance of genome structure

Author: Datta, Subhamoy

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2023

Call No.: 572.6 DAT

Acc. No.: T01139

Title: G-Quadruplexes in long non-coding RNAs dysregulated in colorectal cancer

Author: Sharma, Shubham

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024

Call No.: 572.86 SHA

Acc. No.: T01149

Title: Studies on DNA damage response kinases (ATR and TLK1): targeted therapy for Colorectal Cancer and Glioblastoma

Author: Priya, Bhanu

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2023

Call No.: 572.86 PRI

Acc. No.: T01157

Title: DNA-based engineered hydrogels for improved cell growth and biosensing applications

Author: Morya, Vinod

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2023

Call No.: 660.6 MOR

Acc. No.: T01172

Title: Implications of charge neutralizing post-translational modifications in TDP43 and TMEM106B proteinopathies

Author: Bhavsar, Krishna

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 616.83 BHA

Acc. No.: T01297

Title: G-quadruplexes in MTOR, pancreatic cancer~dysregulated lncRNAs and bacterial small RNAs

Author: Shukla, Chinmayee

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024

Call No.: 616.9 SHU

Acc. No.: T01306

Title: Synthesis of Carbon-based fluorescent Nanoparticles and their application in bioimaging

Author: Singh, Udisha

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 620.115 SIN

Acc. No.: T01316

Title: Programmable, carbon-based nanoparticles for applications in targeted bioimaging and therapeutics

Author: Yadav, Pankaj

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 610.28 YAD

Acc. No.: T01321

Title: Ultrasound shear wave imaging for assessing viscoelastic properties: in vitro and ex vivo assessment

Author: Bisht, Sapna Ranjeetsingh

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024

Call No.: 616.0754 BIS

Acc. No.: T01352

Title: Targeted applications of tetrahedral DNA nanocages in cancer targeting, immunotherapy and neurotransmitter release

Author: Vaswani, Payal

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 660.6 VAS

Acc. No.: T01387

Chemical Engineering (41)

Title: Hydrodynamics of solid-liquid fluidized beds: modelling and experimental studies

Author: Ghatage, Swapnil Vilasrao

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2014

Call No.: 660 GHA

Acc. No.: T00055

Title: Hydrodynamic, mixing and mass transfer characteristics of multiphase reactors

Author: Kalaga, Dinesh Kumar

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2014

Call No.: 660.2 KAL

Acc. No.: T00058

Title: Quantification of acetone-butanol-ethanol(ABE) fermentation in clostridium acetobutylicum using systems biology approach

Author: Kumar, Manish

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2015

Call No.: 660 KUM

Acc. No.: T00095

Title: Liquid antisolvent precipitation of curcumin: polymorphism, particle formation pathways and long term stability

Author: Thorat, Alpana Ankush

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2016

Call No.: 660 THO

Acc. No.: T00103

Title: Mass transfer and kinetic characteristics of activated sludge digestion process

Author: Hariharan P.

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2016

Call No.: 628.354 HAR

Acc. No.: T00177

Title: Strategies for enhanced performance of single & multi-objective optimization using evolutionary algorithms: application to dynamics optimization

Author: Patel, Narendra M.

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2016

Call No.: 519.3 PAT

Acc. No.: T00189

Title: Property improvement of fine pharmaceutical powders under varying humidity conditions through nano-coating

Author: Karde, Vikram Ashok

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2017

Call No.: 620.43 KAR

Acc. No.: T00219

Title: Viscoelastic properties of colloidal particles in liquid crystals and anchoring transitions at interfaces

Author: Kulkarni, Siddharth Vijay

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2017

Call No.: 530.429 KUL

Acc. No.: T00220

Title: Engineering stable and biocompatible microbubble formulations for biomedical applications

Author: Upadhyay, Awaneesh K.

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2018

Call No.: 660.284 UPA

Acc. No.: T00265

Title: Solid state reactions and influence of additive for different applications in materials: experimental & thermo kinetic analysis

Author: Maiti, Sanat Chandra

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2018

Call No.: 660.287 MAI

Acc. No.: T00395

Title: Synthesizing a new class of two-dimensional boron based nanosheets and zero-dimensional carbon based quantum dots in a liquid medium

Author: Das, Saroj Kumar

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2019

Call No.: 660 DAS

Acc. No.: T00511

Title: Boron based nanosheets from layered metal diborides: synthesis, physicochemical characterization and their nanoscale interfacing

Author: James, Asha Liza

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2019

Call No.: 660 JAM

Acc. No.: T00541

Title: Engineering pharmaceutical formulations for modulated release of NSAID and anticancer drugs

Author: Varghese, Sophia

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 660 VAR

Acc. No.: T00542

Title: Role of engineered nanoscale surface roughness for tuning the wetting behavior of micron-size particles

Author: Dixit, Deepa

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 667 DIX

Acc. No.: T00549

Title: Butylated urea formaldehyde resins: reaction mechanisms, kinetic model and multi-objective optimization based reactor design

Author: Amin, Shital A.

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 668 AMI

Acc. No.: T00721

Title: Design of self-oscillating chemical reactions catalyzed by nanoparticle-graphene composites and their utility in locomotion, sensing and detection

Author: Kumar, D Jaya Prasanna

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 660 KUM

Acc. No.: T00722

Title: Particle formation of poorly water soluble drugs & their incorporation into polymeric films for enhanced oral & transdermal drug delivery

Author: Pandey, Komal

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 660 PAN

Acc. No.: T00723

Title: Crystallization of active pharmaceutical ingredients: implications of intermolecular interactions on morphology and polymorphism

Author: Prasad, Rupanjali Gurprasad

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 660 PRA

Acc. No.: T00724

Title: Rheology and microstructure of fumed, colloidal particles suspended in isotropic and anisotropic media: role of particle shape, surface chemistry and applied external fields

Author: Kumar, Saket

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 660 KUM

Acc. No.: T00725

Title: Scalable synthesis of two dimensional nanosheets from magnesium diboride: a new class of nanomaterials for solid-propellants and hydrogen storage

Author: Gunda, Harini

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 665 GUN

Acc. No.: T00932

Title: Role of rheology on the hydraulic conveying of slurries of particulate solids through pipelines

Author: Prasad, Vighnesh

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2022

Call No.: 621.867 PRA

Acc. No.: T00933

Title: Estimation and control strategies for smart water grids: a cyber-physical systems approach

Author: Kartik, Mankad Jaivik

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2022

Call No.: 621.319 KAR

Acc. No.: T00937

Title: Enhanced mechanical properties of chitosan hydrogels: rheology, 3d extrusion printing, and applications

Author: Marapureddy, Geetha

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2022

Call No.: 660 MAR

Acc. No.: T00955

Title: Cognitive workload analysis of control room operators using Electroencephalography (EEG) and eye-tracking

Author: Iqbal, Mohd Umair

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2023

Call No.: 616.891425 IQB

Acc. No.: T01017

Title: Fouling monitoring and foulant identification in heat exchangers and heat exchanger networks

Author: Shankar, Patil Parag

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2022

Call No.: 621.4025 SHA

Acc. No.: T01024

Title: Engineered pharmaceutical formulations for improved dry powder inhaler (DPI) performance: particle engineering and mechanistic insights

Author: Varun, Neetu

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2022

Call No.: 615.19 VAR

Acc. No.: T01025

Title: Building stimuli-responsive nanoparticle assemblies by tuning charge correlations

Author: Pothukuchi, Rajesh Pavan

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2022

Call No.: 620.5 POT

Acc. No.: T01039

Title: Dynamical attributes of self-oscillating Belousov-Zhabotinsky reaction-based systems using bifurcation analyses

Author: Rajput, Vandana

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2023

Call No.: 660 RAJ

Acc. No.: T01133

Title: Nonlinear continuum modeling of active polymer gels: a three dimensional finite element approach

Author: Nemani, Priyanka

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2023

Call No.: 660 NEM

Acc. No.: T01136

Title: Liquid marbles: dynamics of formation, stability at gas-liquid interface and interfacial crystallization

Author: Apoorva, Sneha Ravi

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2023

Call No.: 660.284298 APO

Acc. No.: T01142

Title: Using molecular simulations to study the calcium-binding ability of polystyrene sulfonate in the presence of dodecyl sulfate

Author: Gore, Sonali S.

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024

Call No.: 668.1 GOR

Acc. No.: T01150

Title: Demystifying soiling loss of solar PVs & its mitigation using field studies

Author: Ratnaparkhi, Aniket

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2023

Call No.: 621.447 RAT

Acc. No.: T01156

Title: Microfluidic T-junction devices for the generation of single and multi-layered microbubbles

Author: Khan, Aaqib Haroon

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024

Call No.: 620.5 KHA

Acc. No.: T01291

Title: κ -Carrageenan hydrogels, beads, emulsion gels as functional materials - rheology, 3D extrusion printing, and applications

Author: Patel, Panchami

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024

Call No.: 547.75 PAT

Acc. No.: T01308

Title: Physicochemical interfaces offered by quasi two-dimensional nanostructures derived from metal diborides: fundamental and applied studies

Author: Chakrabarty, Satadru

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 620.112 CHA

Acc. No.: T01314

Title: Functionalization of Microbubbles for biomedical and environmental applications

Author: Teja, Guduru Aditya

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 660.6 TEJ

Acc. No.: T01322

Title: Engineered polymer formulations for wound healing and drug delivery

Author: Kumawat, Akshant

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 610.28 KUM

Acc. No.: T01323

Title: Investigating the role of charged residues in protein structural dynamics and adsorption

Author: Singh, Nitin Kumar

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024

Call No.: 547.7 SIN

Acc. No.: T01324

Title: Engineering quasi-2D titanium diboride nanostructures: scalable synthesis, polymer composites, and functional surface coatings

Author: Gaykwad, Bhagyashri

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 660.284 GAY

Acc. No.: T01353

Title: Minimally functionalized nanosheets derived from AlB₂ -type metal borides: synthesis, electrocatalytic, and dielectric studies

Author: Rasyotra, Anshul

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024

Call No.: 620.11 RAS

Acc. No.: T01383

Title: Pattern formation in electro-responsive polymer ionic liquid blends

Author: Choudhury, Ashima

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 620.192 CHO

Acc. No.: T01384

Chemistry (49)

Title: Synthesis and photoinduced processes of donar-acceptor substituted diarylbutadienes

Author: Agnihotri, Harsha

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2015

Call No.: 540 AGN

Acc. No.: T00097

Title: Synthesis and studies of meso-functionalized porphyrins, N-confused porphyrins and metal dipyrina to complexes

Author: Das, Sudipta

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2016

Call No.: 547.593 DAS

Acc. No.: T00178

Title: Design, synthesis and photoinduced behavior of pie-conjugated substrates: aggregates and self-estimate

Author: Palakollu Veerabhadraiah

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2016

Call No.: 541.35 PAL

Acc. No.: T00180

Title: Lead identification and development against histone deacetylase, carbonic anhydrase cyclooxygenase-2 and thromboxane prostanoid receptor

Author: Shabbirali, Hadianawala Murtuza

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2017

Call No.: 616.24 SHA

Acc. No.: T00205

Title: Donar acceptor systems based on corroles, porphyrins and NIR Aza-BODIPYS

Author: Balsukuri, Naresh

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2018

Call No.: 547.593 BAL

Acc. No.: T00267

Title: Synthesis and spectroscopic investigations of neutral and water soluble fluorophores: charge transfer, aggregates and self-assemblies

Author: Anuji, K. V.

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2017

Call No.: 543.5 ANU

Acc. No.: T00278

Title: Design and development of dimeric-cyanine dyes:self-assembly and interaction with biomolecules

Author: Patlolla, Prathap Reddy

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2019

Call No.: 541.382 PAT

Acc. No.: T00503

Title: Synthesis studies and application of porphyrins and boron dipyrromethenes appended with energy donor groups

Author: E.K. Praseetha

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2019

Call No.: 540 EKP

Acc. No.: T00509

Title: Design and synthesis of small organic fluorophores:

Author: Kumar, Katla Jagdish

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2019

Call No.: 547.1 KUM

Acc. No.: T00520

Title: Design, synthesis, and identification of novel kinase inhibitors: biological and structural studies

Author: Shaik, Althaf

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2019

Call No.: 540 SHA

Acc. No.: T00530

Title: La₂O₃ and its doped analogs: physicochemical, optical and catalytic properties

Author: Gangwar, Bhanu Pratap Singh

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 540.3 GAN

Acc. No.: T00531

Title: Molecular insight into the mechanism of human GSAP and P. aeruginosa G6PI: biochemical and biophysical studies

Author: Angira, Deekshi

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2019

Call No.: 541.22 ANG

Acc. No.: T00532

Title: Electrocatalysis and gas solid catalysis by Pt ions in perovskites and CeO₂: a comparison between supported and the doped catalysts

Author: Bisht, Anuj

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2019

Call No.: 541.37 BIS

Acc. No.: T00543

Title: Regio and enantioselective vinylogous functionalization of α , β unsaturated aldehydes using dienamine catalysis

Author: Kutwal, Mahesh Shantaram

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2019

Call No.: 547 KUT

Acc. No.: T00554

Title: Design and synthesis of π -conjugated organic fluorophores for biological and organic electronics applications

Author: Kumari, Beena

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 547.1 KUM

Acc. No.: T00572

Title: New and emergent motifs in drug development: inhibition of enzymes sphingosine kinase 1, carbonic anhydrase VA and soluble epoxide hydrolase, and potent antibiotics

Author: Mahapatra, Amarjyoti Das

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 540 MAH

Acc. No.: T00709

Title: Design and synthesis of organic fluorescent molecules: sensing, cellular imaging and organogels

Author: Jana, Palash

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 540 JAN

Acc. No.: T00710

Title: Computational approach to systematically compare protein phosphorylation and O-GlcNAcylation

Author: Rani, Lata

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 540 RAN

Acc. No.: T00711

Title: Synthesis and studies of new myo-inositol and phenothiazine derivatives as next-generation protein kinase inhibitors

Author: Javeena

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 540 JAV

Acc. No.: T00712

Title: Asymmetric syntheses of substituted- γ -butyrolactones: application to the total syntheses of natural products

Author: Madhukar, Sarkale Abhijeet

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 540 MAD

Acc. No.: T00713

Title: Synthesis and application of Trans A2B2 porphyrins for photocatalysis, energy transfer, and photodynamic therapy

Author: Pandey, Vijayalakshmi

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 540 PAN

Acc. No.: T00714

Title: Synthesis and studies of luminescent metal dipyrinates: NIR emitters for application as triplet sensitizers in photo-dynamic therapy

Author: Manav, Neha

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 540 MAN

Acc. No.: T00715

Title: Precise and in-situ control of surface plasmon resonance of gold nanorods via post-synthesis modifications

Author: Thambi, Varsha

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 540 THA

Acc. No.: T00716

Title: Developing bio-inspired molecular complexes for catalytic oxidation and reduction reactions

Author: Ali, Afsar

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 540 ALI

Acc. No.: T00717

Title: Development of asymmetric organocatalytic methodologies and their applications to the syntheses of bioactive natural products

Author: Maurya, Vidyasagar

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 540 MAU

Acc. No.: T00718

Title: Modulating the photo and electro-catalytic small molecule activations by Cobaloximes with enzyme-inspired ligand design

Author: Mir, Ab Qayoom

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 540 MIR

Acc. No.: T00719

Title: Bio-inspired catalyst design strategies for activating dormant transition metal cores for hydrogen evolution

Author: Khandelwal, Shikha

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 540 KHA

Acc. No.: T00720

Title: Membrane-targeting methacrylamide-based antibiotic polymers to combat drug-resistant bacteria: synthesis, characterization, and investigation of biological properties

Author: Tyagi, Anju

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 615.329 TYA

Acc. No.: T00939

Title: Preparation of bulk and thin-film conducting metal oxides electrodes and their electrochemical properties

Author: Vyas, Divya

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 530.4175 VYA

Acc. No.: T00940

Title: Quinoline-based small molecules as ATM kinase inhibitors: design, synthesis and applications

Author: Srimadhavi, R.

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 572.6 SRI

Acc. No.: T00946

Title: Synthesis and photoinduced chromic studies of a new class of alkylated unsaturated carbonyl compounds and their derivatives

Author: Duppalapudi, Venkata Mani Padmaja

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 547 DUP

Acc. No.: T00949

Title: Developing methods for controlled spatial ordering of anisotropic gold nanoparticles for enhanced spectroscopy at the nanogaps

Author: Kar, Ashish

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 540 KAR

Acc. No.: T00954

Title: Towards development of plasmonic antenna-reactor based catalytic construct for photo-electrochemical solar to fuel conversion

Author: Paital, Diptiranjana

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2022

Call No.: 660.2832 PAI

Acc. No.: T01042

Title: Functional cyanostilbenes: sensing to imaging

Author: Dahiwadkar, Rahul

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2023

Call No.: 547.1 DAH

Acc. No.: T01045

Title: Chemical Biology and nanotechnology-based tools for targeting Mitochondria in cancer

Author: Bajpai, Aman

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2022

Call No.: 572 BAJ

Acc. No.: T01086

Title: Polarizable simulations of nucleobase-graphene interactions and electrolyte effects: insights into nano-bio interfaces

Author: Hemanth H.

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024

Call No.: 540 HEM

Acc. No.: T01160

Title: Noble metal/non-noble metal substituted cubic oxides for dry reforming of methane

Author: Yadav, Pradeep Kumar

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024

Call No.: 540 YAD

Acc. No.: T01165

Title: Synthetic fluorophores for visualization of sub-cellular organelles

Author: Singh, Deepmala

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024

Call No.: 571.65 SIN

Acc. No.: T01202

Title: Chemical Biology and nanoscale tools for imaging and impairing endoplasmic reticulum and mitochondria in cancer cells

Author: Ingle, Jaypalsing Mangalsing

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024

Call No.: 616 ING

Acc. No.: T01203

Title: Co-assembled complexes of charged peptides with pharmaceuticals: structure-function correlation and emergent antibacterial activity

Author: Choubey, Rinku

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 572.6 CHO

Acc. No.: T01310

Title: Investigating the copper based unsupported and supported electrocatalysts for electrochemical CO₂ reduction: utilizing La_{0.8}Sr_{0.2}CoO₃ as a potential support

Author: Dhakar, Shikha

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024

Call No.: 541.372 DHA

Acc. No.: T01315

Title: Design, synthesis and DFT studies of Metalloporphyrins and Thiaporphyrins towards application in photocatalytic organic transformations

Author: Anu

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024

Call No.: 541.3 ANU

Acc. No.: T01325

Title: Capturing the ring conformational dynamics of hexopyranoses: polarization effects, force field refinements and quantum mechanical investigations

Author: Chythra J. N.

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 541.39 JNC

Acc. No.: T01326

Title: Targeting metabolic enzymes (HplIMPDH and PaG6Pi) to develop effective therapy for bacterial infections

Author: Haritha D

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024

Call No.: 574.192 HAR

Acc. No.: T01327

Title: Targeting a kinase and a phosphatase in cancer therapy: insights into tousel-like kinase (TLK1) and protein tyrosine phosphatase (PTP-PEST)

Author: George, Johnson Delna J K

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024

Call No.: 572.87 GEO

Acc. No.: T01328

Title: Synthesis and application of chiral secondary amine organocatalysts

Author: Kumar, Rohtash

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024

Call No.: 547.59 KUM

Acc. No.: T01329

Title: Boosting water electrolysis with anodic valorization of organic substrates and correlating it with aerobic oxidation

Author: Behera, Snehanjali

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024

Call No.: 541.37 BEH

Acc. No.: T01330

Title: Design of 3rd generation Pyrrole based theranostic agents: synthesis and pharmacological studies for anticancer application in PDT

Author: Chavda, Jaydeepsinh Pravinsinh

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024

Call No.: 547.594 CHA

Acc. No.: T01354

Title: Design and synthesis of π -conjugated donor-acceptor styryl dyes for subcellular and tissue imaging

Author: Rajput, Deeksha

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 547.7 RAJ

Acc. No.: T01388

Civil Engineering (42)

Title: Drought monitoring and prediction in India

Author: Shah, Reepal

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2017

Call No.: 551.5773 SHA

Acc. No.: T00207

Title: Dynamic behaviour and suction characteristics of CH combination soil

Author: Pandey, Saloni Prashant

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2018

Call No.: 624.17 PAN

Acc. No.: T00273

Title: On the causes of observed and projected changes in daily and sub daily precipitation extremes in major urban areas in India

Author: Ali, Haider

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2018

Call No.: 551.5 ALI

Acc. No.: T00279

Title: Fully coupled multi physics nonlinear analysis of reinforced concrete and steel structural systems subjected to fire

Author: Prakash, Patnayakuni Ravi

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2018

Call No.: 624.38 PRA

Acc. No.: T00397

Title: Effect of mica content and its crushability on compactability compressibility shear strength and dynamic behavior of micaceous sand

Author: Seethalakshmi.P

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2018

Call No.: 624.1821 PSE

Acc. No.: T00398

Title: Characterisation and simulation of spatially varying ground motion

Author: Rodda, Gopal Krishna

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2019

Call No.: 624.1 ROD

Acc. No.: T00505

Title: Influence of irrigation and reservoirs on water budget and land surface temperature over India subcontinental river basin

Author: Shah, Harsh L.

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2019

Call No.: 624 SHA

Acc. No.: T00506

Title: Instabilities granular media with flexible boundaries

Author: Bhattacharya, Debayan

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2019

Call No.: 624 BHA

Acc. No.: T00512

Title: Deformation-based seismic design of cantilever retaining walls

Author: Jadhav, Prajakta Ramesh

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2019

Call No.: 624 JAD

Acc. No.: T00516

Title: Static and cyclic liquefaction characteristics of Kutch soils

Author: Hussain, Majid

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2019

Call No.: 624.1517 HUS

Acc. No.: T00569

Title: Studying planar and spatial dam breach hydraulics

Author: Kaurav, Rajkumari

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 627.8 KAU

Acc. No.: T00700

Title: Drought risk in South Asia under observed and projected future climate

Author: Aadhar, Saran

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 624 AAD

Acc. No.: T00701

Title: Geotechnical and structural modulation for strength and adsorption enhancement of urban sewage sludge

Author: Taki, Kaling

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 624.19 TAK

Acc. No.: T00702

Title: Small and large strain shear characteristics of compacted high plasticity clay subjected to static and dynamic loading

Author: Kantesaria, Naman Pranilal

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 624 KAN

Acc. No.: T00703

Title: Detection of blockages in a pipeline using fluid transients

Author: Kumar, Prabhat

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 624.19 KUM

Acc. No.: T00704

Title: Uncertainty quantification and design optimization of steel plate shear walls

Author: Khan, Nasar Ahmad

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 624.1762 KHA

Acc. No.: T00936

Title: Development of hydrologic outlook at short to sub-seasonal time scales for India

Author: Tiwari, Amar Deep

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 627.0954 TIW

Acc. No.: T00943

Title: 3D CFD modeling of the open channel junction flow on fixed and mobile beds

Author: Pandey, Abhishek Kumar

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2022

Call No.: 624 PAN

Acc. No.: T00968

Title: Predictive modelling for the occurrence, prevalence, fate and transport of contaminants in the aquatic system

Author: Singh, Ashwin

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2022

Call No.: 624 SIN

Acc. No.: T00969

Title: Urban heat island in India: drivers, variations, and interactions

Author: Kumar, Rahul

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 624.1 KUM

Acc. No.: T00970

Title: Characteristics and drivers of riverine floods in India

Author: Nanditha, J. S.

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2023

Call No.: 624 NAN

Acc. No.: T01018

Title: Development of design tools for serviceability design of rigid-faced GRS walls

Author: Krishna, Kolli Mohan

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2023

Call No.: 624.17 KRI

Acc. No.: T01020

Title: Analysis of seismically isolated fast reactors considering fluid-structure interaction

Author: Saboo, Anirudh

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2023

Call No.: 624.1762 SAB

Acc. No.: T01026

Title: Hydrogeochemical unravelling of land-sea interaction along the Gujarat coast, India

Author: Bhagat, Chandrashekhar

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2022

Call No.: 624 BHA

Acc. No.: T01081

Title: Laboratory calibration of an impact plate system for bedload estimation

Author: Sahu, Bidhan Kumar

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024

Call No.: 627.122 SAH

Acc. No.: T01134

Title: Material characterization and full-scale performance assessment of façade systems subjected to fire

Author: Nakrani, Dharmit

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024

Call No.: 628.92 NAK

Acc. No.: T01135

Title: Multicomponent ground motion: characterization and its effect on buildings

Author: Sriwastav, Ravi Kanth

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2023

Call No.: 624.1762 SRI

Acc. No.: T01146

Title: Understanding the role of internal climate variability on operation characteristics of water resources systems

Author: Upadhyay, Divya Dhaval

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024

Call No.: 333.91 UPA

Acc. No.: T01159

Title: Characterization and influence of multicomponent spatially varying ground motion field on structural demand

Author: Gurjar, Narsiram

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024

Call No.: 624.1762 GUR

Acc. No.: T01163

Title: Influence of irrigation on depletion and recovery of groundwater in India

Author: Dangar, Swarup

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2023

Call No.: 551.49 DAN

Acc. No.: T01169

Title: Development of cementitious materials with improved sustainability and high temperature performance

Author: Singh, Vikash Kumar

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024

Call No.: 624.1762 SIN

Acc. No.: T01171

Title: Subsurface heterogeneity localization and ground topography assessment using MASW technique

Author: Prabhakar

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024

Call No.: 624 PRA

Acc. No.: T01200

Title: Investigating 3D flow in right angled channel confluence with a pier

Author: Safi, Wahidullah Hakim

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024

Call No.: 624 SAF

Acc. No.: T01204

Title: Additive manufacturing of concrete for civil and military applications

Author: Shekhar, Shashank

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024

Call No.: 620.1 SHE

Acc. No.: T01287

Title: Dynamic response of local available sustainable resource (LASR) materials

Author: Shrivastava, Aparna

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 620.92 SHR

Acc. No.: T01296

Title: Thermo-mechanical analysis and design of aluminium structural systems subjected to fire

Author: Yadav, Dravesh

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 624.18 YAD

Acc. No.: T01307

Title: Drivers of hydrological flash droughts in India

Author: Singh, Rajesh

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024

Call No.: 551.577 SIN

Acc. No.: T01320

Title: 2D and 3D characterization of desiccation cracking in compacted expansive soils using digital image processing

Author: Agarwal, Brijesh Kumar

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 624.15 AGA

Acc. No.: T01331

Title: Augmenting machine learning with physics-based approaches for improved predictability and interpretability in the hydrological model with and without management at scales

Author: Bhasme, Pravin Vasudev

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024

Call No.: 627.1 BHA

Acc. No.: T01332

Title: A novel framework for developing ground motion prediction models consistent with critical orientation and its implementation in seismic performance assessment

Author: Vats, Falak

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024

Call No.: 624.1 VAT

Acc. No.: T01355

Title: A systems approach to multi-hazard impacts on road networks using optimization, network functionality, and dynamic traffic rerouting

Author: Dave, Raviraj

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 625.7 DAV

Acc. No.: T01356

Title: Liquefaction resistance, cyclic degradation and small-strain shear modulus response of compacted pond ash with varying bottom ash content

Author: Teli, Sujay Vipulbhai

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 624.1 TEL

Acc. No.: T01385

Cognitive and Brain Sciences (19)

Title: Role of sensory prediction on perceptual and motor mechanisms

Author: Kumar, Neeraj

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2014

Call No.: 153 KUM

Acc. No.: T00049

Title: Context sensitive computational mechanisms of decision-making

Author: Chawla, Manisha

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2018

Call No.: 153 CHA

Acc. No.: T00271

Title: Automatic and controlled processes in temporal selection

Author: Singh, Divita

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2018

Call No.: 153.4 SIN

Acc. No.: T00272

Title: Nature of hand-centric visuo-spatial processing differences for objects in the peripersonal space

Author: Thomas, Tony

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2018

Call No.: 153 THO

Acc. No.: T00508

Title: Exploring the affective consequences of creative tasks

Author: Mehta, Krishnesh S.

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2019

Call No.: 153.35 MEH

Acc. No.: T00519

Title: Critique of the conceptualization of sense of agency in experimental paradigms

Author: Reddy, Nagireddy Neelakanteswar

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 153.7 RED

Acc. No.: T00522

Title: Contextual factors in moral judgment and decision making

Author: Sahai, Abhishek

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 153.4 SAH

Acc. No.: T00553

Title: Decisions under risk: factors affecting descriptive choices

Author: Goyal, Shruti

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 153.4 GOY

Acc. No.: T00555

Title: Towards the design of multi-user virtual reality based interactive social communication platform for individuals with autism and its implications on eye-gaze

Author: Raj K.B., Pradeep

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2019

Call No.: 155.6 RAJ

Acc. No.: T00557

Title: Interlimb generalization of newly learned motor skills

Author: Yadav, Goldy

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 153.4 YAD

Acc. No.: T00705

Title: How expectation and statistical learning shape attentional selection

Author: George, Nithin

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 153.4 GEO

Acc. No.: T00706

Title: Action planning in response to affective stimuli

Author: Mehta, Veli Milind

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 153.4 MEH

Acc. No.: T00707

Title: Virtual reality based joint attention task platforms for individuals with autism

Author: Jyoti, Vishav

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 153.4 JYO

Acc. No.: T00708

Title: John Henryism in the Indian context

Author: Gopal, Anvita

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 305.0954 GOP

Acc. No.: T00944

Title: Role of priors in audio-visual temporal binding and visuospatial attention

Author: Jagini, Kishore Kumar

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2023

Call No.: 153.1 JAG

Acc. No.: T01019

Title: Characterizing active noise control headphones with psychoacoustics of amplitude modulation

Author: Bandyopadhyay, Sohhom

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2022

Call No.: 153 BAN

Acc. No.: T01027

Title: Knowledge structure and social context factors influencing curiosity and learning satisfaction

Author: Singh, Aditya

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2023

Call No.: 153.4 SIN

Acc. No.: T01132

Title: On the nature of linguistic meanings: a theoretical analysis: Cartesian cognitive conceptualization of linguistic meanings and Wittgenstein's non-Cartesian ontology of linguistic meanings

Author: Kulkarni, Pranjali

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2023

Call No.: 153 KUL

Acc. No.: T01137

Title: Quantification of graphic execution: understanding its relevance for individuals with Autism Spectrum Disorder

Author: Verma, Pragya

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024

Call No.: 153.4 VER

Acc. No.: T01205

Computer Science and Engineering(19)

Title: Graph isomorphism algorithms for graph with bounded structural parameters

Author: Enduri, Murali Krishna

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2018

Call No.: 004.015115 END

Acc. No.: T00268

Title: On structural parameterizations of intractable graph problems

Author: Reddy, I Vinod Kumar

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2018

Call No.: 004.015115 RED

Acc. No.: T00270

Title: Models and algorithms for information diffusion

Author: Choudhari, Jayesh

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 005.1 CHO

Acc. No.: T00558

Title: Challenges in deep visual recognition: algorithms and novel architectures

Author: Kumawat, Sudhakar

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 006.42 KUM

Acc. No.: T00726

Title: Fair multiparty computation using blockchain

Author: Shrivastava, Ananya

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 005.82 SHR

Acc. No.: T00727

Title: Deep feature learning: training with no prior examples and its applications

Author: Mastan, Indra Deep

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 004.6 MAS

Acc. No.: T00728

Title: Algorithms and space efficient representations for finite groups

Author: Sharma, Shivdutt

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 005.73 SHA

Acc. No.: T00729

Title: Streaming coresets for machine learning algorithms
Author: Shit, Supratim
Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021
Call No.: 006.31 SHI
Acc. No.: T00730

Title: On coresets for regularized and fair machine learning problems
Author: Chhaya, Rachit
Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2022
Call No.: 005 CHH
Acc. No.: T00950

Title: Decoding cognitive states from brain rhythms: insights from media perception and meditation studies
Author: Pandey, Pankaj
Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2023
Call No.: 616.891425 PAN
Acc. No.: T01087

Title: Architecting fast and energy-efficient hardware accelerators for emerging ML workloads using hardware-software co-design
Author: Issac, Tom Glint
Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024
Call No.: 006.31 ISS
Acc. No.: T01145

Title: Fair and efficient resource allocation: algorithms and computational complexity
Author: Sethia, Aditi
Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025
Call No.: 005.13 SET
Acc. No.: T01300

Title: Online binary search trees: insights from pattern avoidance and group access bounds
Author: Pareek, Akash
Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024
Call No.: 005.73 PAR
Acc. No.: T01333

Title: On computing optimal representations of finite groups
Author: Thakkar, Dharaben Rmaeshbhai
Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024
Call No.: 005.1 THA
Acc. No.: T01334

Title: Exploring health and wellness through respiratory sensing
Author: Adhikary, Rishiraj
Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024
Call No.: 610.285 ADH
Acc. No.: T01335

Title: Datasets, models, and tools for scholarly documents
Author: Singh, Shruti
Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024
Call No.: 006.3 SIN
Acc. No.: T01336

Title: Fault tolerant distance oracles
Author: Dey, Dipan
Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025
Call No.: 005.73 DEY
Acc. No.: T01357

Title: Diverse solutions, modifying graph eigenvalues and bounded-width ABPs
Author: Harshil M
Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025
Call No.: 005.1 HAR
Acc. No.: T01358

Title: On dynamic weight generation and context switching in deep learning
Author: Sawant, Shriraj
Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025
Call No.: 006.31 SAW
Acc. No.: T01386

Earth Sciences (33)

Title: Investigating linkages between surface-subsurface processes and its control on geomorphic evolution of river systems in the tectonically active Nahan salient, NW Himalaya, India

Author: Kaushal, Rahul Kumar

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2019

Call No.: 551 KAU

Acc. No.: T00513

Title: Causality of river long profile shapes and its implications on river morphological processes

Author: Sonam

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2019

Call No.: 550.9 SON

Acc. No.: T00514

Title: Quantitative geomorphic study of river networks and topography in the northwest Himalaya, India

Author: Sahoo, Ramendra

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2019

Call No.: 551.4 SAH

Acc. No.: T00533

Title: Climate and anthropogenic contribution to groundwater storage variability in India

Author: A, Akarsh

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 551 AKA

Acc. No.: T00559

Title: Rate of chemical weathering in tropical region and its controlling factors: small catchment perspective from Western India

Author: Prasad, Ravi Kant

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 621.3 PRA

Acc. No.: T00745

Title: Topographic variability across a tectonically passive margin and its process dynamics at millennial timescale: a landscape to landform-scale study of the Western Ghat escarpment, India

Author: Guha, Shantamoy

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 550 GUH

Acc. No.: T00746

Title: High resolution paleoclimatic study using corals

Author: Raj, Harsh

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 551.6 RAJ

Acc. No.: T00747

Title: Understanding hydrometeorological processes concerning Indian precipitation: insights from oxygen and hydrogen stable isotopes in conjunction with meteorological parameters

Author: Oza, Harsh

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 550 OZA

Acc. No.: T00748

Title: Biogeochemistry of dissolved aluminium and manganese in the Indian ocean

Author: Singh, Naman Deep

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 577.14 SIN

Acc. No.: T00749

Title: Impacts of Irrigation on hydroclimatic extremes in India

Author: Ambika, Anukesh Krishnankutty

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 627.50954 AMB

Acc. No.: T00960

Title: Non-redfieldian C:N:P ratios in the inorganic and organic pools of the northern Indian Ocean

Author: Sahoo, Deepika

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 551 SAH

Acc. No.: T00963

Title: Quaternary ventilation of the Indian Ocean deep basins, foraminiferal isotopic and abundance approach

Author: Bharti, Nisha

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2022

Call No.: 551.461824 BHA

Acc. No.: T00964

Title: Insights into the geological history of Mars through impact craters

Author: Harish

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 551.7 HAR

Acc. No.: T00965

Title: Basin-scale hydrological mass budgeting using dynamics of glacial components and its incorporation in hydrological SWAT model: a regional study from NW Himalaya, India

Author: Chakravarti, Pritha

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2022

Call No.: 551.480151 CHA

Acc. No.: T01030

Title: Glacial landforms and gully formation on Mars

Author: Sinha, Rishitosh Kumar

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2023

Call No.: 551.7 SIN

Acc. No.: T01048

Title: Geological and geochemical study of martian volcanic provinces: implications for igneous evolution of Mars

Author: Rani, Alka

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2022

Call No.: 551.7 RAN

Acc. No.: T01051

Title: Oxygen and Hydrogen isotopic characterization of groundwaters of India: insights into hydrogeological processes

Author: Pandey, Amit

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2022

Call No.: 551.490954 PAN

Acc. No.: T01052

Title: Biological fixation of nitrogen and carbon in the northern Indian ocean

Author: Saxena, Himanshu

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2022

Call No.: 589 SAX

Acc. No.: T01058

Title: Geochemical and isotopic studies of Sarnu-Dandali-Kamthai Carbonatite-Alkaline complex, India

Author: Mahala, Milan Kumar

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2023

Call No.: 551 MAH

Acc. No.: T01062

Title: Applications of cosmogenic nuclides in understanding quaternary events

Author: Jena, Partha Sarathi

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2022

Call No.: 523.12 JEN

Acc. No.: T01064

Title: Aqueous evolution of CM Chondrites

Author: Baliyan, Shivani

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2022

Call No.: 523.51 BAL

Acc. No.: T01071

Title: Drivers and implications of regional and global flash droughts

Author: Mahto, Shanti Shwarup

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2022

Call No.: 551.5773 MAH

Acc. No.: T01083

Title: Reconstructing paleo-oxygenation in the Arabian Sea over the last 50 ka

Author: Rai, Deepak Kumar

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024

Call No.: 551.5246 RAI

Acc. No.: T01185

Title: Isotopic characterization of carbonaceous aerosols over different regions of India

Author: Devaprasad M.

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024

Call No.: 628.53 DEV

Acc. No.: T01186

Title: Quaternary evolution of the upper equatorial Indian ocean: insights from the paleothermocline reconstructions using planktonic foraminiferal Mg/Ca and isotopic records

Author: Jena, Sanjit Kumar

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2023

Call No.: 551.46 JEN

Acc. No.: T01192

Title: Biogeochemistry of carbon and nitrogen in the inland waters of India

Author: Sarkar, Siddhartha

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2023

Call No.: 577.14 SAR

Acc. No.: T01193

Title: Exploring lunar geochemistry beyond the Procellarum KREEP Terrane: insights from basaltic and brecciated meteorites

Author: Srivastava, Yash

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2023

Call No.: 523.51 SRI

Acc. No.: T01197

Title: Hydro-morphological analysis of a Himalayan River with special reference to stream management: a case study of the Yamuna River System, India

Author: Karnatak, Nikita

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 551.48 KAR

Acc. No.: T01337

Title: Quantifying nutrient pollution in agricultural systems, restructuring strategies for its management and assessing implications on trade networks

Author: Goyal, Shekhar Sharan

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024

Call No.: 551.49 GOY

Acc. No.: T01359

Title: Carbon and nitrogen assimilation rates in aquatic ecosystems

Author: Rathi, Km Ajayeta

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 577.63 RAT

Acc. No.: T01367

Title: Spatiotemporal analysis of Indian summer monsoon rainfall variability: identifying multi-decadal trends, trend reversals, and the underlying factors

Author: Chakra, Swagatika

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024

Call No.: 551.577 CHA

Acc. No.: T01368

Title: Understanding the Lunar deformations: insights from impact cratering, magmatism, and tectonism

Author: Basumatary, Kimi Khungree

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024

Call No.: 559.3 BAS

Acc. No.: T01373

Title: Eastern limb of the moon through the lens of multi-ring basins: Insights from remote sensing data

Author: Panwar, Neha

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 523.31 PAN

Acc. No.: T01375

Electrical Engineering (61)

Title: Grid converter synchronization techniques for distributed generation systems

Author: Chandrasekaran, S.

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2015

Call No.: 621.3 CHA

Acc. No.: T00059

Title: Characterizing high-frequency behaviour of transformer by reduced-order circuit model and assessing the severity of mechanical deformations

Author: Shah, Krupa Rajendra

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2015

Call No.: 620 SHA

Acc. No.: T00096

Title: Controls for moderating generation-demand mismatch in wind-solar-hydro energy conversion system

Author: Ramprabhakar, J.

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2016

Call No.: 621.04 RAM

Acc. No.: T00098

Title: Anomalous Narrow width effect in gate first high-k metal gate MOS transistor

Author: Satya, Sivanaresh. M

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2016

Call No.: 621.381522 SAT

Acc. No.: T00179

Title: Calibration- free 1f and 2f wavelength modulation spectroscopy with in-situ measurement of laser parameters

Author: Upadhyay, Abhishek

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2016

Call No.: 621.361 UPA

Acc. No.: T00204

Title: Physiology-sensitive virtual reality based system for children with autism

Author: Kuriakose, Selvia

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2017

Call No.: 621.3 KUR

Acc. No.: T00206

Title: Adaptive algorithms for active sound control

Author: Patel, Vinal

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2018

Call No.: 621.38224 PAT

Acc. No.: T00276

Title: Technology assisted screening and balance training systems for stroke patients

Author: Kumar, Deepesh

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2018

Call No.: 621.3 KUM

Acc. No.: T00287

Title: Singnificance of tengential component of magnetic flux density in reaction torque and cogging torque

Author: Endla, Naveen Kumar

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2019

Call No.: 621.2106 END

Acc. No.: T00391

Title: Assessing the performance of estimation and control: from data to knowledge

Author: Das, Laya

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2018

Call No.: 621.381531 DAS

Acc. No.: T00393

Title: Cognitive engineering approaches to understand the cognitive behavior of control room operators during plant abnormalities

Author: Bhavsar, Punitkumar

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2019

Call No.: 621.3 BHA

Acc. No.: T00504

Title: Modeling and optimization techniques for efficient lithography simulation

Author: Kumar, Pardeep

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2019

Call No.: 621.3 KUM

Acc. No.: T00507

Title: Compact modeling solutions for advanced MOC devices

Author: Ojha, Apoorva

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2019

Call No.: 621.3 OJH

Acc. No.: T00510

Title: Multidimensional reflection symmetry: theory, algorithms, and applications

Author: Nagar, Rajendra

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2019

Call No.: 621.3 NAG

Acc. No.: T00517

Title: Design of fault-tolerant permanent magnet motors and post fault control

Author: Veeramaneni, Naveen Deepak

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 621.34 VEE

Acc. No.: T00524

Title: Virtual reality-based treadmill-assisted adaptive response technology for post-stroke gait rehabilitation

Author: Solanki, Dhaval

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 621.3 SOL

Acc. No.: T00525

Title: Advanced CMOS technologies for SoC applications: challenges and solutions from Analog/RF perspective

Author: Bhoir, Mandar S.

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 621.3815 BHO

Acc. No.: T00526

Title: Compact electrostatics and transport model for high mobility iii-v channel gate-all-around MOS transistors

Author: Ganeriwala, Mohit D.

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 621.3 GAN

Acc. No.: T00527

Title: Distributed demand response in smart grid:

Author: Rajasekhar, Batchu

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 621.3 RAJ

Acc. No.: T00534

Title: ASOCC: an evaluation framework for asynchronous and synchronous network-on-chip architectures

Author: Sneha

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 621.3815 SNE

Acc. No.: T00535

Title: Field deployable tunable diode laser spectroscopy systems for greenhouse gas and air pollutant monitoring

Author: Roy, Anirban

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 621.3 ROY

Acc. No.: T00550

Title: Novel strategies for image retargeting: energy design, acceleration, and scene awareness

Author: Patel, Diptiben

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2019

Call No.: 621.3 PAT

Acc. No.: T00552

Title: Low power architectures for assistive listening devices

Author: Ray, Dwaipayan

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2019

Call No.: 621.38 RAY

Acc. No.: T00568

Title: Technology-assisted exergaming platform for upper limb rehabilitation of post-stroke patients

Author: Dash, Adyasha

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 621.3 DAS

Acc. No.: T00570

Title: Investigating motion in image sequences: detection, removal, and inference

Author: Kanojia, Gagan

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 621.367 KAN

Acc. No.: T00731

Title: Magnetic equivalent circuit incorporating core saturation and rotor motion, and a method for mitigating subharmonics in surface-mounted PMSM

Author: Bhashini, Manju V.

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 621.3 BHA

Acc. No.: T00732

Title: Non-invasive detection of microbial growth using tunable diode laser spectroscopy and its application to assess bacterial traits

Author: Zarina A. S.

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 621.366 ASN

Acc. No.: T00733

Title: Grid-integration of large-scale wind power generation with battery energy storage system

Author: Abhinav, Rishabh

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 621.45 ABH

Acc. No.: T00734

Title: Right invertibility and relative degree in tracking control: theory and tools

Author: Sujay Dilip, Kadam

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 621.3 SUJ

Acc. No.: T00735

Title: Compression history estimation and source identification for image and audio forensics

Author: Verma, Vinay

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 621.3 VER

Acc. No.: T00736

Title: Opportunistic context-aware energy-efficient embedded memory solutions

Author: Surana, Neelam

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 621.3 SUR

Acc. No.: T00737

Title: Linearity enhancement techniques in high resolution pipelined ADCs

Author: Mohapatra, Satyajit

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 621.3 MOH

Acc. No.: T00738

Title: Development of energy management frameworks for der integration in distribution networks

Author: Kiran, P. Bala Sai

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 621.042 KIR

Acc. No.: T00739

Title: Source device identification systems for printed documents and digital images

Author: Joshi, Sharad

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 621.3 JOS

Acc. No.: T00740

Title: Fiber Bragg grating sensor-based glove to accurately measure finger flexure

Author: Jha, Chandan Kumar

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 681.25 JHA

Acc. No.: T00741

Title: Approximate designs and frameworks for error resilient applications

Author: Jha, Chandan Kumar

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 621.3 JHA

Acc. No.: T00742

Title: Fast and low complexity adaptive signal processing algorithms for digital hearing aids

Author: Bhattacharjee, Sankha Subhra

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 621.38223 BHA

Acc. No.: T00743

Title: Designing photonic nanostructures for compact, high performance refractometric sensing

Author: Vyas, Hardik Shyam

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 621.365 VYA

Acc. No.: T00744

Title: Design, modelling and control of novel hybrid flux motor

Author: Balaganesh B.

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 621.46 BAL

Acc. No.: T00941

Title: Deep learning based representation, processing and inverse rendering of curves and surfaces

Author: Gangopadhyay, Aalok

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2023

Call No.: 006.37 GAN

Acc. No.: T01015

Title: Design improvements in two-phase switched reluctance motors

Author: Upadhyay, Parth Tarun

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2023

Call No.: 621.46 UPA

Acc. No.: T01029

Title: Nature-inspired techniques for nanophotonics inverse design

Author: Panda, Soumyashree S.

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 621.36 PAN

Acc. No.: T01047

Title: Indigenous technology development of high-voltage MOS transistors for power management applications

Author: Kaushal, Kumari Neeraj

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2023

Call No.: 621.381528 KAU

Acc. No.: T01079

Title: Robust and sparse-aware adaptive learning strategies for audio signal processing

Author: Kumar, Krishna

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2022

Call No.: 621.3822 KUM

Acc. No.: T01080

Title: Design and analysis of performance-efficient on-chip memories for error-Intolerant and error-resilient applications

Author: Bharti, Pramod Kumar

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2023

Call No.: 621.3 BHA

Acc. No.: T01141

Title: Vulnerability assessment of smart grid with false data injection attacks

Author: Bhattar, Poornachandratejasvi Laxman

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2023

Call No.: 621.3 BHA

Acc. No.: T01147

Title: Design and optimization of high voltage, high power LDMOS transistors for RF applications

Author: Patel, Rutu A.

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024

Call No.: 621.38411 PAT

Acc. No.: T01166

Title: Technology-assisted wearable solution to quantify gait and posture while addressing freezing of gait in individuals with Parkinson's disease

Author: Pallavi, Priya

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024

Call No.: 616.833 PAL

Acc. No.: T01175

Title: Quantification of deficits in gait and balance of post-stroke individuals with hemiplegia and investigate the effect of stimulation on these deficit

Author: Ranjan, Shashi

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024

Call No.: 616.833 RAN

Acc. No.: T01177

Title: Domain-specific hardware design with emphasis on energy efficiency, performance and robustness

Author: Prasad, Kailash

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024

Call No.: 621.3 PRA

Acc. No.: T01199

Title: Array processing framework for source localization with increased degrees of freedom and beamforming with sparse priors

Author: Yadav, Shekhar Kumar

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2023

Call No.: 621.382 YAD

Acc. No.: T01206

Title: Investigating the implication of gaze pattern on the task performance prior to and during task execution

Author: Parashuram, Rane Dharma

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024

Call No.: 621.382 PAR

Acc. No.: T01209

Title: Network-aware peer-to-peer energy trading in electrical distribution system

Author: Suthar, Sachinkumar Babubhai

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 621.31 SUT

Acc. No.: T01295

Title: Automatic crater detection and shape retrieval from optical images and digital elevation maps using deep learning

Author: Tewari, Atal

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024

Call No.: 621.36 TEW

Acc. No.: T01305

Title: Nanosheet FET based CMOS technology for future electronics: challenges in sheet thickness scaling and solutions

Author: Kaur, Ramandeep

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 621.381 KAU

Acc. No.: T01309

Title: Nonlinear imaging approaches for ultrasound image guidance and monitoring of histotripsy

Author: Trivedi, Vishwas

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024

Call No.: 621 TRI

Acc. No.: T01317

Title: Demand response frameworks for smart electrical distribution system

Author: Tiwari, Abhishek

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024

Call No.: 621.31 TIW

Acc. No.: T01338

Title: Rational design of phase change material-based active nanophotonic devices

Author: Tripathi, Devdutt

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 621.31 TRI

Acc. No.: T01339

Title: Design, optimization and development of switched reluctance motor for cone crusher

Author: Chakrabarty, Swasti Rani

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 621.3 CHA

Acc. No.: T01340

Title: Virtual sensing based head movement immune active headrest systems

Author: Karthik, Munukutla L N S

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 621.381 KAR

Acc. No.: T01360

Title: Low complexity adaptive signal processing algorithms and architectures for audio signal processing

Author: Ghosh, Shouharda

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 621.3 GHO

Acc. No.: T01397

Humanities and Social Sciences(33)

Title: Role of attentional scope on altruistic decisions

Author: Mukherjee, Sumitava

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2013

Call No.: 153 MUK

Acc. No.: T00048

Title: Uses of heritage in Ahmedabad's global self-fashioning

Author: Thomas, Pooja Susan

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2015

Call No.: 954.75 THO

Acc. No.: T00092

Title: Gender politics and Indian children's literature: a comparative analysis of adventure fiction in English and Gujarati

Author: Vyas, Diti Pundrik

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2015

Call No.: 890.0954 VYA

Acc. No.: T00094

Title: And a world between them: cosmopolitanism in select narratives of south Asia

Author: Mukherjee, Payel Chattopadhyay

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2016

Call No.: 954 MUK

Acc. No.: T00104

Title: Three essays in aging and intergenerational relationship: social capital, family dynamics and transnational arrangements

Author: Gangopadhyay, Jagriti

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2018

Call No.: 305.26 GAN

Acc. No.: T00277

Title: Texts and traditions in seventeenth century Goa: reading cultural translation sacredness and transformation in the Kristapurana of Thomas Stephens S. J.

Author: Royson, Annie Rachel

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2018

Call No.: 300.87 ROY

Acc. No.: T00399

Title: Translation as reflective praxis: three narratives from twentieth century Gujarat

Author: Shah, Krupa

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2018

Call No.: 300.86 SHA

Acc. No.: T00400

Title: Caste-coded city: mobility and marginalization in the space politics of Ahmedabad

Author: Banerjee, Dyotana

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2019

Call No.: 305.5 BAN

Acc. No.: T00544

Title: Law, crime and justice towards an understanding of criminal justice in colonial Assam, 1826-1905

Author: Bharadwaj, Jahnu

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 345 BHA

Acc. No.: T00560

Title: Social determinants of menstrual health: a mixed-methods study among Indian adolescent girls and boys

Author: Gundi, Mukta

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 362.1 GUN

Acc. No.: T00561

Title: Representation and lived experience(s) of Dalits in visual and verbal mediums

Author: Ingole, Prashant

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 305.5688 ING

Acc. No.: T00750

Title: Nutrition promotion among indian children and youth: insights from three theory-driven studies

Author: Shah, Ankita Rameshkumar

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 613.2083 SHA

Acc. No.: T00934

Title: Metaphors in the visual: a semiotic approach to select intermedial adaptations of the Mahābhārata

Author: Sharma, Shivani

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2022

Call No.: 398.20934 SHA

Acc. No.: T01032

Title: mHealth in maternal health: the role of autonomy and digital literacy

Author: Susanna G.

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2022

Call No.: 362.1042 SUS

Acc. No.: T01033

Title: Kūṭiyāṭṭam between preservation and transformation investigating the challenges posed by modernity to this traditional performing art of Kerala

Author: Nair, Ankita

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2023

Call No.: 792.095483 NAI

Acc. No.: T01034

Title: Samuel Beckett and carescapes

Author: Joshi, Swati Satish

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2023

Call No.: 848.91409 JOS

Acc. No.: T01085

Title: Rooted feminism: an ethnographic contextualisation of cyberfeminism among Malayali women

Author: Nampoothiri, Aparna

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2023

Call No.: 305.42 NAM

Acc. No.: T01140

Title: Mapping the dynamics of human and nonhuman relations in the Indian Sundarban from the context of cyclonic disasters

Author: Biswas, Camellia

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024

Call No.: 302 BIS

Acc. No.: T01158

Title: Healing at the edge of the Indian empire: empire, maladies and the Christian medical missions in Assam, the North West frontier province and Kashmir

Author: Jagriti

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024

Call No.: 362.109 JAG

Acc. No.: T01161

Title: Thinglihang Lou: Swidden farming and its continuity in Manipur

Author: Haokip, Thanglienmang

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2023

Call No.: 631.5 HAO

Acc. No.: T01170

Title: Trace(s) of the holy: analogical mysticism in Borges and Paz

Author: Prashant

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024

Call No.: 810 PRA

Acc. No.: T01174

Title: The making of a vegetarian city: food and the fashioning of modern hindu middle class identities in Ahmedabad

Author: George, Jerene Sarah

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2023

Call No.: 306.46 GEO

Acc. No.: T01290

Title: Undh Chal Gaye: mobilities, place, and (non) human entanglements in Uttarakhand

Author: Rai, Ayushi

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024

Call No.: 305.8 RAI

Acc. No.: T01298

Title: Gender preferences and stereotypes in local communities: evidences from various Indian contexts

Author: Sharma, Anupam

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 305.3 SHA

Acc. No.: T01301

Title: Re-conceptualizing old age through leisure: a time use study of age, gender and culture

Author: Tripathi, Ashwin

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024

Call No.: 305.26 TRI

Acc. No.: T01304

Title: Dwelling in the Rann: embodied place-making among agariyas (salt cultivators) in the little Rann of Kutch

Author: Harchandani, Bhavna

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 306.1 HAR

Acc. No.: T01311

Title: Experiencing academic migration: agency and aspiration among tribal girls pursuing higher education in Rajasthan

Author: Meena , Deepika Kumari

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 371.82 MEE

Acc. No.: T01313

Title: Kinship on the move: reeth, rented spaces, and ration cards among transgender people in a parivar in Kerala

Author: John, Nimisha

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 306.76 JOH

Acc. No.: T01341

Title: Ecology, language ideology and the discourse of language loss in the Nicobar Islands

Author: Vysakh R

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024

Call No.: 306.44 VYS

Acc. No.: T01342

Title: Food matters: shaping new gastronomic culture(s) in Western India, 1875-1947

Author: Tagare, Maithili

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 641.3 TAG

Acc. No.: T01361

Title: Theatres of writing: from Artaud'S contagious passage to Mallarmé'S projective passage

Author: Tiwari, Parul

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 842.9 TIW

Acc. No.: T01362

Title: Emotions, objects, and identities: mapping affective alienation in literary narratives from Assam

Author: Banerjee, Udit

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 306.7 BAN

Acc. No.: T01363

Title: Risk assessment and conservation strategies of Gujarat Chalcolithic sites using remote sensing and Geographic Information System (GIS)

Author: Kadapa, Haritha

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 934 KAD

Acc. No.: T01393

Materials Engineering (23)

Title: Tool wear during friction stir welding an experimental and numerical study during welding of CuCrZr alloy

Author: Sahlot, Pankaj

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2018

Call No.: 671.52 SAH

Acc. No.: T00280

Title: Design and characterization of novel antibiotics based on membrane active antimicrobial peptides

Author: Arora, Ankita

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2018

Call No.: 620.22 ARO

Acc. No.: T00396

Title: Microstructure influenced bulk optoelectronic and surface eletrical properties of low cost materials for photovoltaic application: the case of Al doped ZnO and SnS

Author: Singh, Chetan C.

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2018

Call No.: 620.11 SIN

Acc. No.: T00401

Title: Interrelation between electronic structure, microstructure and optoelectronic properties of Al-doped ZnO and Cu₂-xS

Author: Patel, Tvarit A.

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 620.1 PAT

Acc. No.: T00521

Title: Aluminium matrix friction stir surface composites study on mechanical and electrochemical performance

Author: V. P., Mahesh

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 620.11 MAH

Acc. No.: T00537

Title: Microstructure modulated optoelectronic properties of Al-doped ZnO and CuInGaSe₂ films using cost-effective, scalable deposition techniques

Author: Bandaru, Narendra

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2019

Call No.: 620.1 BAN

Acc. No.: T00538

Title: Development of antibacterial surface coatings

Author: Majhi, Sasmita

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2019

Call No.: 667 MAJ

Acc. No.: T00546

Title: Microstructure influenced variation in the electronic properties of the functional materials: the case of Nb doped anatase and TbFe₂

Author: Manwani, Krishna

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 621.37 MAN

Acc. No.: T00756

Title: Antibacterial properties of Octaarginine-complexed hydrophobic drugs

Author: Ratrey, Poonam

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 615.1 RAT

Acc. No.: T00757

Title: Reactivity mediated energetics transformation of oxide based nanoparticles: critical determinant towards nanosafety

Author: Paruthi, Archini

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 620.115 PAR

Acc. No.: T00758

Title: Development and analysis of friction stir channeling process using experimental tools

Author: Pandya, Sheetal Rameshchandra

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 671.52 PAN

Acc. No.: T00935

Title: Quasi-coupled solidification and heat transfer-material flow modelling for directed energy deposition process of Al-0.5Sc-0.5Si alloy

Author: Singh, Amit Kumar

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 621.4022 SIN

Acc. No.: T00938

Title: A bicrystal-template based approach to study grain boundaries

Author: Dish, Nilabh

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2022

Call No.: 620.11299 DIS

Acc. No.: T00947

Title: Functionalization of Cu-centered MOF to enhance its hydrolytic stability and application in PB(II) trapping with high adsorption capacity

Author: Goyal, Prateek

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2022

Call No.: 620.18 MIS

Acc. No.: T01021

Title: Fabrication of Porous structure through vapor phase dealloying of Mg-Zn alloys

Author: Behera, Rakesh

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2023

Call No.: 620.381531 BEH

Acc. No.: T01022

Title: High temperature oxidation behavior of high entropy alloys

Author: Dehury, Ranjit Kumar

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2023

Call No.: 620.16 DEH

Acc. No.: T01031

Title: Atypical thermal oxidation in $\text{Sm}_2(\text{Co, Fe, Cu, Zr})_{17}$ magnetic alloy systems

Author: Teja, Mittireddi Ravi

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024

Call No.: 669 TEJ

Acc. No.: T01144

Title: Use of stable isotopes for failure detection and tracing of biomaterials

Author: Malvi, Bharti

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2023

Call No.: 610.28 MAL

Acc. No.: T01148

Title: Tailoring the ROS generating ability of various nanomaterials for environmental and biomedical applications

Author: Singh, Simranjit

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2023

Call No.: 620.11 SIN

Acc. No.: T01168

Title: Exploring the complex structure-property landscape in nacre-inspired biomimetic composites

Author: Singh, Param Punj

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 620.1 SIN

Acc. No.: T01288

Title: An analysis of heterogeneous catalytic activity of transition metal - carbon composites and thiospinels towards electrochemical energy generation

Author: Mohan, Ajay

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 621.3 MOH

Acc. No.: T01303

Title: A reusable, substrate-independent polymer coating for long-term antibacterial application

Author: Prajapati, Deepakkumar

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024

Call No.: 620.11 PRA

Acc. No.: T01343

Title: Development of high visible and near-infrared transparent Ta:TiO₂-based electrode

Author: Shukla, Shivam

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024

Call No.: 620.1 SHU

Acc. No.: T01344

Mathematics (21)

Title: Investigations on biharmonic boundary value problems with qualitative questions

Author: Dwivedi, Gaurav

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2017

Call No.: 515.353 DWI

Acc. No.: T00217

Title: Studies on the existence of positive viscosity solutions to fully nonlinear elliptic PDEs

Author: Verma, Ram Baran

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2018

Call No.: 515.64 VER

Acc. No.: T00281

Title: Unboundedness of betti numbers of curves

Author: Mehta, Ranjana

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2018

Call No.: 515.112 MEH

Acc. No.: T00394

Title: Studies on existence questions of solution to singular elliptic PDEs

Author: Kumar, Dharmendra

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 510 KUM

Acc. No.: T00556

Title: Generalized Hurwitz zeta and modified Bessel functions and associated modular relations

Author: Kumar, Rahul

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 515.53 KUM

Acc. No.: T00751

Title: Koshliakov zeta functions, squares of odd zeta values, sum-of-tails identities, and mock theta functions

Author: Gupta, Rajat

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 515.56 GUP

Acc. No.: T00959

Title: Asymptotic analysis of controlled dynamical systems with small random noise and fast sampling

Author: Dhama, Shivam Singh

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2023

Call No.: 515.35 DHA

Acc. No.: T01016

Title: On d-holomorphic connections and gauge theoretic aspects of parabolic bundles on Klein surfaces

Author: Jaiswal, Ayush

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2023

Call No.: 516.373 JAI

Acc. No.: T01036

Title: Delta geometry and p-adic Hodge theory

Author: Pandit, Sudip

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2022

Call No.: 516.35 PAN

Acc. No.: T01038

Title: Cohen-Macaulay graph ideals and the v-number of monomial ideals

Author: Saha, Kamlesh

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2022

Call No.: 512.44 SAH

Acc. No.: T01043

Title: Projective closure of affine monomial curves

Author: Srivastava, Pranjal

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2022

Call No.: 512.44 SRI

Acc. No.: T01044

Title: A study of certain affine semigroups and semigroup rings

Author: Prakash, Om

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2023

Call No.: 512.44 PRA

Acc. No.: T01082

Title: Transformations of generalized Lambert series and analogues of a formula of Ramanujan, Hardy and Littlewood.

Author: Shivajee

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2023

Call No.: 512.7 SHI

Acc. No.: T01084

Title: Distribution of arithmetic functions in arithmetic progressions

Author: Savalia, Aditi

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2023

Call No.: 516.35 SAV

Acc. No.: T01173

Title: Study on local and mixed local-nonlocal elliptic equations: regularity and qualitative properties

Author: Kumar, Priyank

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2023

Call No.: 515.3533 KUM

Acc. No.: T01176

Title: Investigations on critical local and nonlocal problems

Author: Gandal, Somnath Ashok

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024

Call No.: 515.35 GAN

Acc. No.: T01208

Title: Games on graphs and graphs from games

Author: Nanoti, Saraswati Girish

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024

Call No.: 511.5 NAN

Acc. No.: T01364

Title: Semi-finite bundles and fundamental group schemes

Author: Hasmukhbhai, Adroja Pavan

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024

Call No.: 512.55 HAS

Acc. No.: T01389

Title: Jet spaces and hodge theoretic results

Author: Mishra, Rajat Kumar

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 516.36 MIS

Acc. No.: T01390

Title: A study of q-deformation of special orthogonal groups and their homogeneous spaces

Author: Bhuva, Akshay

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024

Call No.: 512.57 BHU

Acc. No.: T01391

Title: Voronoï-type summation identities and omega results for a class of arithmetical functions

Author: Sahoo, Jagannath

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 512.73 SAH

Acc. No.: T01392

Mechanical Engineering (25)

Title: Global stability analysis of spatially developing boundary layers

Author: Bhoraniya, Ramesh

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2018

Call No.: 629.132 BHO

Acc. No.: T00266

Title: Biomechanical view of parkinsonian rest tremor mechanism and its implication to therapy and early diagnosis

Author: Shah, Vrutangkumar V

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2018

Call No.: 612.76 SHA

Acc. No.: T00274

Title: Predictive model development and validation for raised floor plenum data centers

Author: Fulpagare, Yogesh Shantaram

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2018

Call No.: 697.9316 FUL

Acc. No.: T00282

Title: Control of optimal growth of instabilities in fluid flows

Author: Kant, Ravi

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 620.106 KAN

Acc. No.: T00536

Title: Experimental insights on wettability induced enhancement in confined and unconfined pool boiling heat transfer

Author: Sarode, Ajinkya Ashok

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 621.4022 SAR

Acc. No.: T00551

Title: Ethanol autothermal reforming on Rh/CeO₂ catalyst: experimental and numerical studies

Author: Baruah, Renika

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 621.3 BAR

Acc. No.: T00752

Title: Experimental investigations and prediction modelling of texture and thermo-physical changes during thermal processing of hygroscopic food materials

Author: Sinha, Ankita

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 621 SIN

Acc. No.: T00753

Title: Determination of the thermophysical properties of Al₂O₃-CO₂ nanofluid: a molecular dynamics approach

Author: Ahmed, Zeeshan

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 621.4 AHM

Acc. No.: T00754

Title: Mechanisms and neural substrates underlying the acquisition of effector-independent motor memories

Author: Kumar, Adarsh

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 621.3 KUM

Acc. No.: T00755

Title: Intermittent feedback control theory & its applications to human postural control

Author: Dash, Ranjita

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2022

Call No.: 629. 8312 DAS

Acc. No.: T00945

Title: Studying the role of cable-driven leg exoskeleton in altering human-robot interaction for Gait training

Author: Sanjeevi, N. S. S.

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2023

Call No.: 629.892 SAN

Acc. No.: T01023

Title: Dynamics of energy transfer between aluminum/aluminum-oxide nanoparticles and gases in the non-continuum regime

Author: Thoudam, Jyotishraj

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024

Call No.: 531.6 THO

Acc. No.: T01153

Title: Experimental study of residual stress induced in laser surface melting of metals

Author: Balhara, Rama

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2023

Call No.: 620.1 BAL

Acc. No.: T01155

Title: Human inspired learning controllers and motion planners for robotic manipulators

Author: Vasantkumar, Jadav Shail

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024

Call No.: 629.892 VAS

Acc. No.: T01167

Title: Development of technological tools to assess, train and intervene gait behavior in young and older adults

Author: Singh, Yogesh

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2023

Call No.: 621.3 SIN

Acc. No.: T01201

Title: Design and experimental characterization of a non-catalytic diesel autothermal reformer

Author: Kumar, Ravinder

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024

Call No.: 620.16 KUM

Acc. No.: T01289

Title: Investigations of Taylor-Couette flows in complex enclosures

Author: Unnikrishnan, Akash

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 532.5 UNN

Acc. No.: T01292

Title: Modeling and simulation of combustion of metal-liquid oxidizer propellants

Author: Kulkarni, Prasanna P

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 629.47 KUL

Acc. No.: T01293

Title: Human-aerial robot interaction for payload transportation

Author: Prajapati, Pratik

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024

Call No.: 629.892 PRA

Acc. No.: T01294

Title: Intermittent control in humans and for robots balancing on unstable platforms

Author: Rao, Aishwarya Vinayak

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 629.89 RAO

Acc. No.: T01302

Title: Comparison and improvement of the energy efficiency of membrane technologies for brine separation

Author: Gopalbhai, Patel Chirag

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 621.042 GOP

Acc. No.: T01345

Title: Active cooling load design for buildings in hot and dry climate: modelling and experimentation

Author: Ahmad, Inzamam

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 697.93 AHM

Acc. No.: T01346

Title: Investigating reinforcement dynamics in extrusion based additive manufacturing

Author: Mishra, Rajat

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 621.03 MIS

Acc. No.: T01347

Title: Improving the biocompatibility of Ti6Al4V implants using laser surface texturing

Author: Gupta, Rohit

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 620.1 GUP

Acc. No.: T01348

Title: Flow regimes in spherical couette flow

Author: Ananthu J P

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 621.4 JPA

Acc. No.: T01365

Physics (135)

Title: Inflationary scenario with non- standard spinors

Author: Basak, Abhishek

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2013

Call No.: 539 BAS

Acc. No.: T00050

Title: Effects of lower atmospheric and solar forcings on daytime upper atmospheric dynamics

Author: Laskar, Fazlul Islam.

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2014

Call No.: 539 LAS

Acc. No.: T00054

Title: Vortices of light and their interaction with matter

Author: Prabhakar, Shashi

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2014

Call No.: 535 PRA

Acc. No.: T00057

Title: Stable water isotopologues in the Indian summer monsoon rainfall

Author: Midhun, M.

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2015

Call No.: 551.90954 MID

Acc. No.: T00089

Title: Finite temperature effect in the condensates of dilute atomic gases

Author: Roy, Arko

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2015

Call No.: 530.43 ROY

Acc. No.: T00091

Title: Spectral and timing studies of accretion disk in black hole binaries

Author: Jassal, Anjali Rao

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2015

Call No.: 530 JAS

Acc. No.: T00099

Title: Multi - wave length investigations of solar eruptive phenomena

Author: Kushwaha, Upendra Kumar Singh

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2016

Call No.: 530 KUS

Acc. No.: T00100

Title: Generation and characterization of coherent beams of tunable spectral and spatial properties using optical parametric oscillators

Author: Aadhi, A

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2015

Call No.: 530 AAD

Acc. No.: T00101

Title: Tropospheric greenhouse gases: emission characteristics and dynamical effects

Author: Chandra Naveen

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2015

Call No.: 530 CHA

Acc. No.: T00105

Title: Observational aspects of hard X-ray polarimetry

Author: Chattopadhyay, Tanmoy

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2015

Call No.: 522.65 CHA

Acc. No.: T00106

Title: Studies towards the possible temporal variation of the fine structure constant

Author: Nandy, Dilip Kumar

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2015

Call No.: 530 NAN

Acc. No.: T00107

Title: Study of particle physics models implication for dark for dark matter and cosmic ray phenomenology

Author: Tomar, Gaurav kumar

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2016

Call No.: 539.72 TOM

Acc. No.: T00181

Title: Nonlinear interaction of structured optical beams

Author: Chaitanya, Apurv

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2016

Call No.: 535.5 CHA

Acc. No.: T00182

Title: Constraining physics beyond the standard model in post-higgs era

Author: Mondal, Tanmoy

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2016

Call No.: 530 MON

Acc. No.: T00197

Title: Decays of hadrons as probes of standard model and beyond

Author: Kumar, Girish

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2017

Call No.: 539.72 KUM

Acc. No.: T00208

Title: Binary mixtures of ultracold quantum gases in optical lattices

Author: Suthar, Kuldeep

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2016

Call No.: 539 SUT

Acc. No.: T00209

Title: Electronic transport properties of materials: the memory function approach

Author: Bhalla, Pankaj

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2017

Call No.: 537.5 BHA

Acc. No.: T00216

Title: Physics beyond the standard model, LHC, and cosmology

Author: Hati, Chandan

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2016

Call No.: 539.72 HAT

Acc. No.: T00218

Title: Investigations of daytime thermospheric wave dynamics over low latitudes using ground based optical technique

Author: Karan, Deepak Kumar

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2017

Call No.: 551.5153 KAR

Acc. No.: T00275

Title: Origin and dynamics of the primordial magnetic field in a parity violating plasma

Author: Pandey, Arun Kumar

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2017

Call No.: 538.3 PAN

Acc. No.: T00283

Title: Parity violating plasma-neutrino interaction: quantum kinetic and quantum magneto-hydrodynamic approach

Author: George, Manu

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2017

Call No.: 530.44 GEO

Acc. No.: T00284

Title: Measurement of solar magnetic fields: development of a polarimeter for multi-application solar telescope

Author: Tiwary, Alok Ranjan

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2017

Call No.: 538.7 TIW

Acc. No.: T00285

Title: Phenomenological aspects of neutrino masses, mixings and oscillations

Author: Nath, Newton

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2017

Call No.: 539.7215 NAT

Acc. No.: T00286

Title: Understanding the structure and emission processes in AGN using blazar variability

Author: Kaur, Navpreet

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2017

Call No.: 523.112 KAU

Acc. No.: T00288

Title: Investigations on ionospheric electrodynamics over low latitudes in Indian sector

Author: Rambabu, Pandey Kuldeep

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2018

Call No.: 530.31 RAM

Acc. No.: T00392

Title: Optical spectroscopic studies of minor bodies of the solar system

Author: Venkataramani, Kumar

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2018

Call No.: 530 VEN

Acc. No.: T00515

Title: Collective excitations of the hot QCD medium and quark-gluon plasma in relativistic heavy-ion collisions

Author: Jamal, Mohammad Yousuf

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2019

Call No.: 530 JAM

Acc. No.: T00518

Title: Synthetic magnetic fields and multi-component BECs in optical lattices

Author: Bai, Rukmani

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 530 BAI

Acc. No.: T00545

Title: Matter under extreme conditions and transport coefficients of hot and dense matter

Author: Abhishek, Aman

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2019

Call No.: 536.41 ABH

Acc. No.: T00562

Title: Test of new physics at neutrino telescopes

Author: Chauhan, Bhavesh

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2019

Call No.: 530 CHA

Acc. No.: T00563

Title: (Semi) leptonic rare decays of B mesons as probes of the standard model and beyond

Author: Kindra, Bharti

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2019

Call No.: 539.7 KIN

Acc. No.: T00564

Title: Some aspects of low scale seesaw models

Author: Vishnudath, K. N.

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2019

Call No.: 539.7 VIS

Acc. No.: T00565

Title: Twisted single photons and their applications in quantum information processing

Author: Lal C.K., Nijil

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2019

Call No.: 539.7 LAL

Acc. No.: T00566

Title: Quantum phase transitions of Bose gases confined in 2D harmonic traps and optical lattices

Author: Bandyopadhyay, Soumik

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2019

Call No.: 530.12 BAN

Acc. No.: T00567

Title: Aspects of black hole thermodynamics in general relativity & beyond

Author: Fairros, C

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2019

Call No.: 530.14 FAI

Acc. No.: T00571

Title: Structured beam optical parametric oscillators

Author: Sharma, Varun

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 530 SHA

Acc. No.: T00573

Title: Aspects of gravitational wave astronomy with coalescing compact binary sources

Author: Roy, Soumen

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 539.754 ROY

Acc. No.: T00759

Title: Improving low-latency gravitational wave search pipeline using numerical linear algebra

Author: Reza, Amit

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 539.754 REZ

Acc. No.: T00760

Title: Structure and dynamics of scientific collaboration networks of Indian researchers in APS publications

Author: Singh, Chakresh Kumar

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 530 SIN

Acc. No.: T00761

Title: Dynamical processes in brain networks: mass modelling approaches

Author: Tripathi, Richa

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 612.82 TRI

Acc. No.: T00762

Title: Multiwavelength polarimetry of astrophysical sources

Author: Aarthy, E

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 523.01 AAR

Acc. No.: T00763

Title: Infrared astronomical instrumentation and polarisation studies

Author: Rai, Archita

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 522.2 RAI

Acc. No.: T00764

Title: Understanding the properties of accretion powered Be/X-ray binary pulsars

Author: Gupta, Shivangi

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 522.6863 GUP

Acc. No.: T00765

Title: Emission and atmospheric variability of volatile organic compounds over the Indian subcontinent and surrounding oceanic regions

Author: Tripathi, Nidhi

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 570 TRI

Acc. No.: T00766

Title: Investigation of martian dust devil characteristics

Author: Uttam, Shefali

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 551.51 UTT

Acc. No.: T00767

Title: Probing New Physics with hadronic final states at the Large Hadron Collider

Author: Bhardwaj, Akanksha

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 530.1298 BHA

Acc. No.: T00768

Title: Warm inflationary universe at the large and the small scales

Author: Arya, Richa

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 530 ARY

Acc. No.: T00769

Title: Daytime thermospheric neutral wave dynamics over low- and equatorial-latitudes

Author: Mandal, Subir

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 530.189 MAN

Acc. No.: T00770

Title: Dynamics of heavy quark in a medium

Author: Singh, Balbeer

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 530.697 SIN

Acc. No.: T00771

Title: Aspects of astroparticle physics in the precision measurement era

Author: Ashish

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 630.897 ASH

Acc. No.: T00772

Title: Solar origin of space weather

Author: Sarkar, Ranadeep

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 530.1278 SAR

Acc. No.: T00773

Title: Phenomenology of neutrino oscillations and masses

Author: Chakraborty, Kaustav

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 530.127 CHA

Acc. No.: T00774

Title: Laser induced breakdown spectroscopy utilising synthetic spectrum method for optically thick plasmas

Author: Kumar, Prashant

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 530.179 KUM

Acc. No.: T00775

Title: Hot QCD matter in the influence of electromagnetic fields

Author: Kurian, Manu

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 530.128 KUR

Acc. No.: T00776

Title: Some novel studies of black holes in general relativity and modified theories

Author: Mishra, Akash K.

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 530.11 MIS

Acc. No.: T00942

Title: Viscous dark matter and its astrophysical and cosmological signatures

Author: Mishra, Arvind Kumar

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 523.1126 MIS

Acc. No.: T00951

Title: Dynamics of self-assembly in silicon-based nanostructures at surfaces and interfaces

Author: Utsav

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 537.622 UTS

Acc. No.: T00952

Title: Aspects of beyond the standard model higgs phenomenology

Author: Sarkar, Agnivo

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 539.721 SAR

Acc. No.: T00953

Title: Various manifestations of accretion onto stellar-mass black holes

Author: Rout, Sandeep Kumar

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 520 ROU

Acc. No.: T00961

Title: Experimental investigation of biomolecules under impact induced shock

Author: Singh, Surendra Vikram

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 550 SIN

Acc. No.: T00962

Title: Magnetic field and electric current in the solar atmosphere

Author: Nayak, Sushree Sangeeta

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 523.72 NAY

Acc. No.: T00966

Title: Probing new physics with cosmological observations

Author: Parashari, Priyank

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 530 PAR

Acc. No.: T00967

Title: Chemically active systems as sensors and transducers

Author: Shukla, Ashish Kumar

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2023

Call No.: 681.2 SHU

Acc. No.: T01035

Title: Free space quantum key distribution: experiments for improving security and key rate

Author: Biswas, Ayan

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 530.12 BIS

Acc. No.: T01037

Title: Hard X-ray spectro-polarimetric study of black hole binary Cygnus X-1

Author: Kumar, Abhay

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2022

Call No.: 523.8875 KUM

Acc. No.: T01049

Title: Population of obscured active galactic nuclei

Author: Kayal, Abhijit

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2023

Call No.: 523.112 KRO

Acc. No.: T01050

Title: Investigations on low latitude Ionosphere under varying space weather conditions

Author: Kumar, Ankit

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2022

Call No.: 538.767 KUM

Acc. No.: T01053

Title: Phenomenological applications of light cone sum rules

Author: Bansal, Anshika

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2022

Call No.: 539.7548 BAN

Acc. No.: T01054

Title: Observational analysis of cometary bodies in the solar system

Author: Aravind K.

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2022

Call No.: 523.6 ARA

Acc. No.: T01055

Title: Investigating the coronal X-ray characteristics - from Sun as a Star to imaging spectroscopy

Author: Mondal, Biswajit

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2022

Call No.: 523.7 MON

Acc. No.: T01056

Title: Properties of strongly interacting matter under extreme conditions

Author: Kumar, Deepak

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2023

Call No.: 539.7 KUM

Acc. No.: T01057

Title: Study of the evolution of velocity and magnetic fields in the solar atmosphere

Author: Kumar, Hirdesh

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2023

Call No.: 523.72 KUM

Acc. No.: T01059

Title: Equilibrium quantum phases and quench dynamics of dipolar bosons in 2D optical lattices

Author: Sable, Hrushikesh

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2022

Call No.: 530.414 SAB

Acc. No.: T01060

Title: On the role of hall magnetohydrodynamics in magnetic reconnection: astrophysical plasmas

Author: Bora, Kamlesh

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2022

Call No.: 523.72 BOR

Acc. No.: T01061

Title: Multi-wavelength studies of active galactic nuclei (AGNs)

Author: Kumari, Neeraj

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2022

Call No.: 523.112 KUM

Acc. No.: T01063

Title: 21 cm line astronomy and constraining new physics

Author: Natwariya, Pravin Kumar

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2022

Call No.: 520 NAT

Acc. No.: T01065

Title: Application of relativistic coupled-cluster method to study P, T -odd properties in heavy and superheavy molecules

Author: Mitra, Ramanuj

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2022

Call No.: 530 MIT

Acc. No.: T01066

Title: Interaction of intense femtosecond pulses with polyatomic molecules: probing the ultrafast dynamics

Author: Das, Rituparna

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2023

Call No.: 532.05 DAS

Acc. No.: T01067

Title: Study of cometary coma: from simple molecules to complex organics

Author: Ahmed, Sana

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2022

Call No.: 523.6 AHM

Acc. No.: T01068

Title: Entangled photons and their applications in quantum information processing

Author: Mishra, Sarika

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2022

Call No.: 530.12 MIS

Acc. No.: T01069

Title: Orbital angular momentum of light and quantum correlations

Author: Patil, Satyajeet

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2022

Call No.: 530.12 PAT

Acc. No.: T01070

Title: Investigations of low- and equatorial-latitude upper atmospheric processes using optical and radio techniques

Author: Saha, Sovan

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2022

Call No.: 539 SAH

Acc. No.: T01072

Title: Phenomenological implication of particle dark matter models

Author: Show, Sudipta

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2022

Call No.: 523.1126 SHO

Acc. No.: T01073

Title: Eruption of solar magnetic flux ropes and associated flaring activity: observational perspectives

Author: Sahu, Suraj

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2023

Call No.: 522.1 SAH

Acc. No.: T01074

Title: Evolution of remnant radio galaxies

Author: Dutta, Sushant

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2022

Call No.: 523.112 DUT

Acc. No.: T01075

Title: Enlightening the dark universe through light particles

Author: Poddar, Tanmay Kumar

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2022

Call No.: 535.4 POD

Acc. No.: T01076

Title: Aspects of spectroscopic and polarimetric instrumentation for ground based optical telescopes with related observations

Author: Kumar, Vipin

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2022

Call No.: 522.29 KUM

Acc. No.: T01077

Title: Searching for new Physics signatures in hadronic final states at the large hadron collider with deep learning

Author: Ngairangbam, Vishal Singh

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2022

Call No.: 539.72 NGA

Acc. No.: T01078

Title: Optimisation of quantum thermal machines and batteries

Author: Shastri, Rahul

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024

Call No.: 530.12 SHA

Acc. No.: T01138

Title: Dark matter excursions beyond the standard model

Author: Loho, Kousik

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024

Call No.: 523.1126 LOH

Acc. No.: T01143

Title: Strong field ionization of atoms and molecules: an ultrafast perspective

Author: Madhusudhan P.

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2022

Call No.: 539 MAD

Acc. No.: T01151

Title: Energy transport in the solar atmosphere and heliosphere

Author: Mondal, Shanwlee Sow

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2022

Call No.: 523.75 MON

Acc. No.: T01152

Title: Theoretical and observational constraints on theories beyond general relativity

Author: Ghosh, Rajes

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2023

Call No.: 530.11 GH0

Acc. No.: T01154

Title: Meshfree approach for rapid reconstruction of compact binary sources detected in the network of international gravitational wave detectors

Author: Pathak, Lalit

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2023

Call No.: 539.754 PAT

Acc. No.: T01162

Title: Multifunctional properties of Cesium-based halide perovskites

Author: Makani, Nisha Hiralal

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2023

Call No.: 553.63 MAK

Acc. No.: T01164

Title: Detection and characterization of transiting giant planets around evolved stars

Author: Khandelwal, Akanksha

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2023

Call No.: 523.4 KHA

Acc. No.: T01178

Title: Application of polarisation and phase in quantum information

Author: Rani, Anju

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2023

Call No.: 530.12 RAN

Acc. No.: T01179

Title: Precision search for the new physics with hadronic final state at the LHC

Author: Ghosh, Anupam

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2023

Call No.: 539.72 GH0

Acc. No.: T01180

Title: Mote of dust suspended in shock waves

Author: Roy, Arijit

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2023

Call No.: 523.1125 ROY

Acc. No.: T01181

Title: Source region characteristics of coronal mass ejections and their interplanetary propagation

Author: Dineshkumar, Patel Binal

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024

Call No.: 523.75 DIN

Acc. No.: T01182

Title: Semi-leptonic B decays and QED effects

Author: Mishra, Dayanand

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2023

Call No.: 539.7 MIS

Acc. No.: T01183

Title: Ultracold atoms in optical lattices

Author: Gaur, Deepak

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2023

Call No.: 539 GAU

Acc. No.: T01184

Title: Modeling of atmospheric trace gases over the Indian subcontinent: assessment of chemical and meteorological processes

Author: Soni, Meghna

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2023

Call No.: 551.524 SON

Acc. No.: T01187

Title: Multispectral luminescence studies: methodological developments and applications

Author: Devi, Monika

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2023

Call No.: 535.35 DEV

Acc. No.: T01188

Title: Study of the Milky Way disk at different scales: insights from red clump stars and open cluster polarimetry

Author: Uppal, Namita

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2023

Call No.: 523.113 UPP

Acc. No.: T01189

Title: Unveiling the role of interstellar filaments in massive star formation

Author: Bhadari, Naval Kishor

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2023

Call No.: 523.1125 BHA

Acc. No.: T01190

Title: Generation and characterization of pair photon source for quantum sensing applications

Author: Singh, Sandeep

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2023

Call No.: 530.145 SIN

Acc. No.: T01191

Title: Investigations of daytime upper atmospheric dynamics over low- and equatorial-latitudes

Author: Kumar, Sunil

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2023

Call No.: 551.51 KUM

Acc. No.: T01194

Title: Probing Physics beyond the standard model in neutrino oscillation experiments

Author: Pan, Supriya

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024

Call No.: 539.7215 PAN

Acc. No.: T01195

Title: The effect of metallicity and vertical mixing on the abundance of major H-CN-O-bearing species in the atmosphere of exoplanets

Author: Soni, Vikas

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2023

Call No.: 523.1 SON

Acc. No.: T01196

Title: Investigations on the variations in helium abundance in the solar wind

Author: Yogesh

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2023

Call No.: 523.75 YOG

Acc. No.: T01198

Title: Response of hot QCD medium to time varying background electromagnetic fields

Author: Gowthama K. K.

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024

Call No.: 530.128 GOW

Acc. No.: T01207

Title: Generation, characterization and application of vector vortex beams

Author: Kumar P M, Subith

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024

Call No.: 535.2 KUM

Acc. No.: T01299

Title: Selective and tunable ion transport through the angstrom size fluidic channels of van der waal materials: from iontronics to energy generation

Author: Dhal, Biswabhusan

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 530.42 DHA

Acc. No.: T01312

Title: Intricacies of astrophysical X-ray spectroscopy and investigations of multi-scale solar flares

Author: Neelakandan P. S., Mithun

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024

Call No.: 523.7 NEE

Acc. No.: T01318

Title: Quantum control in atoms and molecules using two-color high harmonic generation

Author: Bhardwaj, Pranav

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024

Call No.: 539.14 BHA

Acc. No.: T01319

Title: New lessons in eccentric binary dynamics

Author: Chowdhuri, Abhishek

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024

Call No.: 530.11 CHO

Acc. No.: T01349

Title: van der Waals gap engineering of graphite and vermiculite using electric fields and intercalants for separation applications

Author: Lalita

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 530.4 LAL

Acc. No.: T01350

Title: Growth of MoS₂ laminates and understanding the role of surface sites, electronic structures and capillaries in energy harvesting

Author: Kaushik, Suvigya

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 530.41 KAU

Acc. No.: T01351

Title: Electrical transport and photoelectrochemical properties of halide perovskite semiconductors

Author: Singh, Manoj

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024

Call No.: 537.6 SIN

Acc. No.: T01366

Title: Effects of interaction and topology in some condensed matter systems

Author: Bharathiganesh D.

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024

Call No.: 530.41 BHA

Acc. No.: T01369

Title: Investigations on superthermal particles in the solar wind and Earth's magnetosphere

Author: Dalal, Bijoy

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024

Call No.: 523.01 DAL

Acc. No.: T01370

Title: Understanding the mechanism of X-ray and optical emission in Be/X-ray binary systems

Author: Chhotaray, Birendra

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 523.01 CHH

Acc. No.: T01371

Title: Investigation of Middle Atmospheric Wave Dynamics during Sudden Stratospheric Warming

Author: Mitra, Gourav

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024

Call No.: 551.51 MIT

Acc. No.: T01372

Title: Investigations of upper atmospheric phenomena over mid-latitudes during daytime

Author: Upadhyay, Kshitiz

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024

Call No.: 551.59 UPA

Acc. No.: T01374

Title: Numerical simulations of solar eruptive events

Author: Agarwal, Satyam

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024

Call No.: 523.75 AGA

Acc. No.: T01376

Title: Study of linear and nonlinear talbot effects for sensing applications

Author: Sarkar, Saumya Jyoti

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024

Call No.: 535.35 SAR
Acc. No.: T01377

Title: Unravelling the scalar sector of grand unification: phenomenology & implications
Author: Shukla, Saurabh Kumar
Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024
Call No.: 530 SHU
Acc. No.: T01378

Title: Information security and quantum communication
Author: Sharma, Tanya
Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024
Call No.: 530.12 SHA
Acc. No.: T01379

Title: Testing the strength of quantum random number generators
Author: Mongia, Vardaan
Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024
Call No.: 530.12 MON
Acc. No.: T01380

Title: Exploring the formation mechanism of star clusters in molecular clouds: the role of physical processes and gas-to-star conversion factor
Author: Rawat, Vineet
Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024
Call No.: 523.112 RAW
Acc. No.: T01381

Title: On topology of solar coronal magnetic field
Author: Maurya, Yogesh Kumar
Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024
Call No.: 523.75 MAU
Acc. No.: T01382

Title: High-precision Study of Parity-violation in ^{133}Cs
Author: Chakraborty, Arup
Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024
Call No.: 539.7 CHA
Acc. No.: T01394

Title: Investigating cloud-cloud collisions and hub-filament systems: pathways to massive star formation
Author: Maity, Arup Kumar
Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025
Call No.: 523.8 MAI

Acc. No.: T01395

Title: Radiative mass generation in gauged theories of flavour : a path to Fermion mass hierarchies

Author: Mohanta, Gurucharan

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 539.7 MOH

Acc. No.: T01396

List of M.Tech. Theses

Biological Sciences and Engineering (93)

Title: Separation of staining dyes using nucleic acid-based nano bio-constructs and interplay of quadruplex targeting drugs with quadruplex specific staining dyes

Author: Singhal, Aditi

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2018

Call No.: 610.28 SIN

Acc. No.: T00371

Title: Investigating the aggregation behavior of tau microtubule binding region (V306-F378) and the effect of carbamylation on this aggregation

Author: Vijay Kumar, Aishwarya

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2018

Call No.: 572.6 VIJ

Acc. No.: T00372

Title: Cloning and expression of the putative oligomerization domain of human and zebrafish THAP9 transposase

Author: Pandey, Ankit

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2018

Call No.: 660.65 PAN

Acc. No.: T00373

Title: High definition tDCS reveals a crucial role for posterior parietal cortex in implicit visuomotor learning

Author: Panthi, Gaurav

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2018

Call No.: 612.825 PAN

Acc. No.: T00374

Title: Cloning and expression of truncated and full length THAP9 transposase

Author: Gupta, Neha

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2018

Call No.: 660.65 GUP

Acc. No.: T00375

Title: Effect of length and carbamylation on aggregation of A β derived aggregation-prone peptides

Author: Preetika

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2018

Call No.: 571.8 PRE

Acc. No.: T00376

Title: Molecular cloning, expression and purification of human tousled like kinase 1B kinase domain (hTLK1B_KD) construct in escherichia coli

Author: Raman, Shashank

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2018

Call No.: 660.65 RAM

Acc. No.: T00377

Title: Functional relevance of histone occupancy at DNA sequence motifs

Author: Datta, Subhamoy

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2018

Call No.: 616.994061 DAT

Acc. No.: T00379

Title: Development of a low cost EMG devices to display electrical activity of skeletal muscle on a smartphone

Author: Kumar, Sitesh

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2018

Call No.: 611.737 KUM

Acc. No.: T00380

Title: Characterization of oligamerization of THAP9 with itself and THAP10

Author: Srivastava, Apeksha

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2018

Call No.: 570.61 SRI

Acc. No.: T00387

Title: Development of novel co- immobilization strategy of enzymes using three way junction of DNA

Author: Dodla, Ankit

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2018

Call No.: 570.86459 DOD

Acc. No.: T00388

Title: Understanding the surface electromyography based gait characterization for post-stroke patients

Author: Kumar, Siddhant

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2019

Call No.: 620.8 KUM

Acc. No.: T00405

Title: Effect of ashwagandha and brahmi extracts on aggregation behaviour of tau and a-synuclein model peptides

Author: Majhi, Ankita

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2019

Call No.: 620.8 MAJ

Acc. No.: T00411

Title: CGGBP1 phosphorylation and cell cycle checkpoint regulation

Author: Chander, Ashmita

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2019

Call No.: 572.6 CHA

Acc. No.: T00418

Title: Investigation of the interaction of multiple ligands with specific DNA g-quadruplex topologies and DNA-RNA hybrid g-quadruplex structures

Author: Chakraborty, Camellia

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2019

Call No.: 620.8 CHA

Acc. No.: T00425

Title: Insilico characterization of gamma secretase activating protein (GSAP) and its involvement in alzheimer's disease

Author: Meheta, Kapilkumar

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2019

Call No.: 620.8 MEH

Acc. No.: T00432

Title: Expression and purification studies on ATM kinase and its biological implications

Author: Bhowmik, Kaushik

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2019

Call No.: 620.8 BHO

Acc. No.: T00433

Title: Investigation into a transposition activity and effect of stress on thap9 homologs

Author: Meena, K.

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2019

Call No.: 620.8 MEE

Acc. No.: T00437

Title: Identify and test novel ubiquitin modifier networks in DNA damage signaling and repair process

Author: Kumar, Pabba Maruthi

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2019

Call No.: 620.8 KUM

Acc. No.: T00441

Title: Interplay of an anti-cancer drug and a G quadruplex selective fluorescent dye

Author: Srivastava, Priyanka Prakash

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2019

Call No.: 620.8 SRI

Acc. No.: T00453

Title: Degradation of intracellular tau protein isoform using a multifunctional peptide molecule

Author: Gupta, Rahul

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2019

Call No.: 620.8 GUP

Acc. No.: T00454

Title: Study of protein-protein interactions between CGGBP1 and MAP4K4 and its functional significance in normal human fibroblast cells

Author: Adhikari, Shruti

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2019

Call No.: 572.6 ADH

Acc. No.: T00471

Title: Characterization of human tousel-like kinase 1B-kinase domain (TLK 1B-KD): students on small molecule screening

Author: Vaishali, C.

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2019

Call No.: 620.8 VAI

Acc. No.: T00479

Title: Recombinant expression of grafted knottin mini-protein and inhibitory potential towards hIAPP: human islet amyloid polypeptide

Author: Vishakha

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2019

Call No.: 620.8 VIS

Acc. No.: T00481

Title: Investigating the regulatory mechanism of a mitotic kinesin-3 motor

Author: Siva M, Aravintha

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 572.6 SIV

Acc. No.: T00603

Title: Investigating the dominant negative effects of phospho-site mutants of CGGBP1

Author: Hariharan, Arthi

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 572.6 HAR

Acc. No.: T00604

Title: Effect of tau-derived PHF6 aggregates on microglial inflammation & autophagy

Author: Panda, Chinmaya

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 572.6 PAN

Acc. No.: T00605

Title: Receptor desialylation as a switch for cancer metastasis through galectin and EGFR

Author: Ghosh, Debarpan

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 616.99 GHO

Acc. No.: T00606

Title: Cloning, expression, purification and characterization studies of helicobacter pylori IMPDH

Author: Banerjee, Hoime

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 616.33 BAN

Acc. No.: T00607

Title: Investigation of G-quadruplex formation in the promoter of MDM2 Gene

Author: Sharma, Kuldeep

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 572.8 SHA

Acc. No.: T00608

Title: IMPDH as a drug target for H. pylori infection: validating zebra fish model

Author: Saxena, Pragati

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 572.8 SAX

Acc. No.: T00609

Title: Spatio-temporal interactome & cellular dynamics of epidermal growth factor receptor

Author: Kharbanda, Sumit

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 614.4 KHA

Acc. No.: T00610

Title: Understanding the role of kinesin-3 motor GAKIN in endocytic pathway

Author: Sharma, Surabhi

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 572.6 SHA

Acc. No.: T00611

Title: Investigation on ligand-receptor interaction of THAP9 homologs via molecular modelling and docking

Author: Nepal, Dibyadarsi

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 572.6 NEP

Acc. No.: T00612

Title: Quantifying the effect of selected mutations on the translational velocity of KIF1A motor by using stochastic models and structural information

Author: Mukherjee, Rupsha

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 572.6 MUK

Acc. No.: T00613

Title: Selective adaptation to task- relevant sensory prediction errors

Author: Shingane, Somesh Nana

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 574 SHI

Acc. No.: T00777

Title: Studying heparin and octadecyl sulphate induced aggregation models of tau isoforms

Author: Bansal, Aakriti

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 570 BAN

Acc. No.: T00778

Title: Point Mutation Analysis of Gamma Secretase Activating Protein (GSAP)

Author: Patel, Adarsh

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 500 PAT

Acc. No.: T00779

Title: Identification of target E3 ligase using C-terminal Amyloid Precursor Protein derived peptide fragment

Author: Selvaraj, Akshaya

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 570 SEL

Acc. No.: T00780

Title: Viscoelastic polyvinyl alcohol (PVA) phantoms for ultrasound elastography

Author: Sharma, Ananya

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 616.07543 SHA

Acc. No.: T00781

Title: Small molecules in cellular physiology and cell imaging

Author: Haque, Ashadul

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 570 HAQ

Acc. No.: T00782

Title: Hydrolytic enzyme-assisted mass spectrometric investigation of processed food matrices

Author: Patel, Axita

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 570 PAT

Acc. No.: T00783

Title: Exploring the Enzymology and Structural Biology of Eukaryotic and Prokaryotic Enzymes Crucial to the Development of Cancer

Author: Mukherjee, Bodhidipra

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 570 MUK

Acc. No.: T00784

Title: Evolutionary Analysis, Homology modelling, Cloning and Expression of Human THAP9 Transposase

Author: Nandi, Chandan

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 660.65 NAN

Acc. No.: T00785

Title: CGGBP1 and Its Role in the Stability and Formation of G-quadruplex in vitro

Author: Ghosh, Chandrama

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 570 GHO

Acc. No.: T00786

Title: In vitro characterization of singlet oxygen generating sonosensitizers for sonodynamic therapy

Author: Roy, Jayishnu

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 570 ROY

Acc. No.: T00787

Title: Biomedical ultrasound modulates cellular endocytosis and physiology

Author: Bansal, Kahkashan

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 616.07543 BAN

Acc. No.: T00788

Title: Estimating binding affinity of HpIMPDPH and optimization of crystallization condition

Author: Yadav, Pankaj

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 570 YAD

Acc. No.: T00789

Title: Role of retrograde motor proteins in endocytosis and maintenance of morphology of cellular organelles

Author: Sinha, Pankhuri

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 570 SIN

Acc. No.: T00790

Title: Design, synthesis and in silico assessment of isoform selective Sphingosine Kinase Inhibitors

Author: Pandit, Shiny

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 570 PAN

Acc. No.: T00791

Title: Carbamylated Lysine based Peptide Amphiphiles: Assembly, Characterization and Application

Author: Paul, Tamalika

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 570 PAU

Acc. No.: T00792

Title: Effect of Carbamylation on The Aggregation of N-Terminal Huntingtin Protein Fragment

Author: Halder, Tanusree

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 570 HAL

Acc. No.: T00793

Title: Extended invitro studies on the functions of CGGBP1 in G4-quadruplex dynamics

Author: Mudgal, Akanksha

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2022

Call No.: 620.8 MUG

Acc. No.: T00983

Title: Ultrafast Doppler ultrasound for assessing blood perfusion in the foot: A feasibility study

Author: Nair, Hari S.

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2022

Call No.: 620.2 NAI

Acc. No.: T00984

Title: Hypoxia modulates cellular endocytic pathways and organelles with enhanced cell migration and 3D cell invasion in cancerous cells

Author: Neveena A, Hema

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2022

Call No.: 616 NAV

Acc. No.: T00985

Title: Studies on ROS generation via sono-sensitization of a porphyrin derivative

Author: Patel, Vishwa

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2022

Call No.: 620.8 PAT

Acc. No.: T00986

Title: Molecular dynamics and molecular docking studies of REV - ERB β

Author: Thakur, Rakesh

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2022

Call No.: 572.6 THA

Acc. No.: T01093

Title: Detection of CIS-Chimeric RNA from RNA sequencing data

Author: Satish, Aditi Lakshmi

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2023

Call No.: 572.88 SAT

Acc. No.: T01097

Title: Survey of cellular physiology regulation by small molecules

Author: Pise, Pradnya Vivekanand

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2023

Call No.: 570 PIS

Acc. No.: T01101

Title: Investigation of human THAP9 isoform 2: cloning, purification and functional characterization

Author: Bhattacharyya, Shaurav

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2023

Call No.: 660.65 BHA

Acc. No.: T01103

Title: Cloning and expression of C-terminal deleted and full length human THAP9 transposase

Author: Das, Sreyoshi

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2023

Call No.: 660.65 DAS

Acc. No.: T01104

Title: Zonal effects on cell growth and proliferation by photopatterned polymer substrate and theoretical simulation of pattern formation through photopolymerization induced phase separation

Author: Singh, Sugandha

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2023

Call No.: 668.9 SIN

Acc. No.: T01105

Title: Ultrasonic characterization and imaging of anisotropic muscle-mimicking phantoms

Author: Bezabh, Mekdes Wubet

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2023

Call No.: 611.3 BEZ

Acc. No.: T01110

Title: Developing tissue-mimicking phantoms for ultrasound viscoelastography and an experimental platform for ultrasound exposure of hydrogels

Author: Marri, Bhanu Prasad

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2023

Call No.: 611.3 MAR

Acc. No.: T01117

Title: Revolutionizing Omics data analysis: benchmarking existing imputation methods for handling missing data in machine learning pipeline

Author: Prathiksha R.

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024

Call No.: 006 PRA

Acc. No.: T01240

Title: Exploration of secondary structures in circulatory long non-coding RNAs dysregulated in cancer

Author: Nasir, Safya

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024

Call No.: 572.88 NAS

Acc. No.: T01242

Title: Modulating membrane sialylation for DNA- nanocage and transferrin uptake

Author: Saha, Sritama

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024

Call No.: 572.86 SAH

Acc. No.: T01250

Title: Understanding the role of plant U-box genes in Gibberellin signalling and Thigmomorphogenesis in Arabidopsis Thaliana

Author: Raha, Subhankar

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024

Call No.: 571.7 RAH

Acc. No.: T01251

Title: Hydrogel-based platforms to facilitate the endoscopy-mediated removal of precancerous tumors

Author: Dave, Harshil

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024

Call No.: 616.99 DAV

Acc. No.: T01263

Title: Differentiation of intraocular tumors using envelop statistics on radiofrequency data : a pilot study

Author: Oza, Sakshi Hitesh

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024

Call No.: 571.9 OZA

Acc. No.: T01277

Title: Investigating the effect of cancer-associated SNPs and truncation on the catalytic activity of THAP9 transposas

Author: Guha, Sampurna

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024

Call No.: 660.65 GUH

Acc. No.: T01278

Title: Computational investigation of the interaction between human OS-9 Lectin and Cognate Trisaccharide ligand

Author: Aggarwal, Vidushi

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024

Call No.: 612 AGG

Acc. No.: T01286

Title: N- terminal domain as the aggregation determinant: impact of acetylation and carbamylation on α -synuclein peptides

Author: Kar, Aitijhya

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 616.83 KAR

Acc. No.: T01426

Title: Site-specific & combinatorial effects of acetylation and phosphorylation on peptides derived from microtubule-binding domain of tau protein in alzheimer's disease

Author: Kamble, Anisha Prakash

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 616.8 KAM

Acc. No.: T01433

Title: Engineered fluorescent carbon dots for selective cellular bioeffects: a comparative study of cancer and normal cells

Author: Kumar, Ankesh

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 610.28 KUM

Acc. No.: T01434

Title: Investigating the impact of site-specific phosphorylation and acetylation on aggregation of N-terminal and NAC-derived alpha-synuclein peptides

Author: Behera, Anwasha

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 616.04 BEH

Acc. No.: T01437

Title: Investigating the C-terminal domain of THAP9, its evolutionary origin and function

Author: Ghosh, Aryaman

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 660.6 GHO

Acc. No.: T01440

Title: Sensorimotor beta oscillations in movement planning and execution

Author: Ashish V

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 612.76 ASH

Acc. No.: T01442

Title: Zwitterionic polymer-infused Chitosan Hydrogel: a protective carrier for protein delivery

Author: Rajeev, Ashwin

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 615.6 RAJ

Acc. No.: T01443

Title: Development and application of ionic liquid-based formulations for biomedical and food packaging applications

Author: Gupta, Garima Neerajkumar

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 660.6 GUP

Acc. No.: T01452

Title: Predictive application of ATAC-seq data in evolution of genome regulation

Author: Ruthwick, Meduri Venkata Krishnasai

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 572.863 RUT

Acc. No.: T01463

Title: Alpha-tocopherol succinate conjugated DNA tetrahedron with enhanced cellular uptake and selective cytotoxicity for cancer therapeutics

Author: Chithra , P.

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 615.19 CHI

Acc. No.: T01469

Title: Sequence and structure based evolutionary analysis of THAP domains

Author: Nair, Rahul R.

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 572.6 NAI

Acc. No.: T01476

Title: Engineering mucoadhesive papaverine entrapped berberine microcrystals with enhanced bioactive functionalities for urinary tract infection

Author: Panja, Sebika

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 615.19 PAN

Acc. No.: T01485

Title: To develop injectable cerium-rutin nanocomplex embedded hydrogel for accelerated tissue regeneration and infection control

Author: Apotikar, Shreyash B.

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 610.28 APO

Acc. No.: T01490

Title: Identification and characterisation of recurrently methylated regions in the human genome from heterogenous MeDIP-seq data

Author: Swain, Sneha

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 572.865 SWA

Acc. No.: T01496

Title: Investigating the role of plant U-Box genes in pollen-pistil interactions in *Arabidopsis thaliana*

Author: Parmar, Sourabh

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 660.65 PAR

Acc. No.: T01498

Title: Regional co-incidence of distinct histone modifications and their functional features

Author: Dogra, Spikey

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 572.865 DOG

Acc. No.: T01499

Title: Network based analysis of biological networks in circadian regulation

Author: Vishnu A M

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 571.43 VIS

Acc. No.: T01508

Title: Compact ultrasound system and quantitative ultrasound techniques for ocular assessment

Author: Dharvia, Abhishek

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 610.2 DHA

Acc. No.: T01515

Title: Induction of TDP-43 aggregation by C-terminal domain– derived fragments

Author: Sowjanya, Bharothu

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 610.28 SOW

Acc. No.: T01521

Title: A functional connectivity perspective on putamen-centric changes in alzheimer's disease

Author: Mehta, Rucha

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 616.8 MEH

Acc. No.: T01535

Title: Synthesis of Metal-Organic Framework (MOF) based composites for pH-responsive drug delivery

Author: Kunde, Aayushi Gajanan

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 615.6 KUN

Acc. No.: T01538

Chemical Engineering (122)

Title: Morphology and optical properties of nanoparticle thinfilms fabricated by spread coating

Author: Singh, Amit Kumar

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2013

Call No.: 667.9 SIN

Acc. No.: T00001

Title: Design of an evaporator for vaporization of glass foming silica precursor

Author: Jadhav, Deepak Babasaheb

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2013

Call No.: 666.1 JAD

Acc. No.: T00002

Title: Colloidal particles self assembly in liquid crystals

Author: Gite, Hemant Bapurao

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2013

Call No.: 660.2 GIT

Acc. No.: T00003

Title: Modelling of microbubble dissolution in aqueous medium

Author: Joshi, Jignesh Rajendkmar

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2013

Call No.: 660.2 JOS

Acc. No.: T00004

Title: Protein polysaccharide nano complexes at air water interface

Author: Mukherjee, Satyait

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2013

Call No.: 660.634 MUK

Acc. No.: T00006

Title: Computational assessment of air pollution dispersion in Urban centers

Author: Kar, Sayan

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2013

Call No.: 628.530151 KAR

Acc. No.: T00007

Title: Experimental study of bechamp process for nitrobenzene reduction to aniline

Author: Singh, Umesh

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2013

Call No.: 660.28 SIN

Acc. No.: T00009

Title: Experimental study of bechamp process for p nitrobenzene reduction to p toluidene

Author: Popat, Vivek Rasikbhai

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2013

Call No.: 660.28 POP

Acc. No.: T00010

Title: Hydrogen production via catalytic partial oxidation of methane on lanthanum oxide and nickel-lanthanum oxide catalysts

Author: Menon, Aparna R.

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2014

Call No.: 660.28443 MEN

Acc. No.: T00013

Title: Colloidal rhombohedral particles in hexagonal liquid crystal: rheology and microstructure

Author: Mishra, Nishi S.

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2014

Call No.: 660.2 MIS

Acc. No.: T00014

Title: Model predictive control strategy for optimizing biological nitrogen removal (BNR) processes accounting for greenhouse gas emissions

Author: Behera, Chitta Ranjan

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2014

Call No.: 628.357 BEH

Acc. No.: T00015

Title: Kinetic study and advanced cobtrol of bechamp reduction of p-nitrotoluene process in a CSTR

Author: Khan, Patan Ameer

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2014

Call No.: 660.28443 KHA

Acc. No.: T00016

Title: Ultrasonication assisted synthesis of few layers thick chemically modified magnesium diboride nanosheets

Author: Bedar, Amita

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2014

Call No.: 660 BED

Acc. No.: T00017

Title: Aspects of liquid antisolvent precipitation of nanoparticles of poorly water soluble drugs: nucleation kinetics, precipitation pathways and long term stability

Author: Yadav, Manishkumar D.

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2014

Call No.: 660.042 YAD

Acc. No.: T00018

Title: Numerical study of thermophoretic deposition of nano-silica using outside vapor deposition

Author: Shukla, Upendra Kumar

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2013

Call No.: 660 SHU

Acc. No.: T00047

Title: Decomposition kinetics of CaCO_3 dry coated with Nano-additives

Author: Kumar, Dalip

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2015

Call No.: 615.70285 KUM

Acc. No.: T00070

Title: Physico-chemical interaction of MgB_2 with water during ultrasonication: an avenue to realize Boron-Rich Quantum Dots, Nanodiscs, and Nanoplatelets

Author: Harini, Gunda

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2015

Call No.: 620.118 HAR

Acc. No.: T00073

Title: Integrating production control and scheduling based on real-time detection of divergence

Author: Rathj, Preeti

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2015

Call No.: 660 RAT

Acc. No.: T00081

Title: Water sustainability and re-use: a case study at Amul Dairy, Anand

Author: Tiwari, Sarojini

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2015

Call No.: 628.30954 TIW

Acc. No.: T00084

Title: Continuous liquid antisolvent participation of curcumin: polymorphic Behavior, morphology and calculations of nucleation rates and solid-liquid interfacial energies

Author: Chatte, Amurta Bharat

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2016

Call No.: 540.3 CHA

Acc. No.: T00160

Title: An effective hybrid cuckoo search algorithm with box-complex method for constrained optimization

Author: Zade, Anita Dnyanba

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2016

Call No.: 519.6 ZAD

Acc. No.: T00161

Title: Ionic liquid assisted exfoliation of layered magnesium diboride

Author: Ratnam,Devina

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2016

Call No.: 537.623 RAT

Acc. No.: T00162

Title: Comparative study of interpolating function in CVP based optimal control solutions of Fed-Batch Reactors

Author: Tyagi, Dheeraj

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2016

Call No.: 660 TYA

Acc. No.: T00163

Title: Humidity induced agglomeration and caking behavior of ammonium perchlorate

Author: Sharma, Ekta

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2016

Call No.: 628.1662 SHA

Acc. No.: T00164

Title: Artificial neural network based model predictive control of a distributed parameter system

Author: Kartik,Mankad Jaivik

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2016

Call No.: 006.3 KAR

Acc. No.: T00165

Title: Flow improvement of fine propellant powder using nano-additives

Author: Dixit,Kritika

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2016

Call No.: 621.4356 DIX

Acc. No.: T00166

Title: Synthesis of Pd/ Al₂ O₃ catalysts using different techniques and its catalytic activity for acetylene hydrogenation reaction

Author: Kumari,Sushmita

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2015

Call No.: 660 KUM

Acc. No.: T00167

Title: State estimation approach for fault diagnosis in anaerobic digester:application to India's largest dairy unit

Author: Rani,Mallavarapu Deepika

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2016

Call No.: 628.354 RAN

Acc. No.: T00168

Title: Experimental strategy to measure control room operator performance and analyze human failure probability

Author: Iqbal, Mohd Umair

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2016

Call No.: 625.80727 IQB

Acc. No.: T00169

Title: Thermo-mechanical modeling of shape and non-shape memory polymers

Author: Sharma, Nikhil

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2016

Call No.: 677.0283 SHA

Acc. No.: T00170

Title: Precipitation of curcumin using CO₂-expanded acetone solution: experiments and mathematical modeling

Author: Patsariya, Rahul

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2016

Call No.: 622.3382 PAT

Acc. No.: T00171

Title: Surface modification of fine powders using plasma treatment

Author: Bunk, Shreya

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2016

Call No.: 620.44 BUN

Acc. No.: T00172

Title: Influence of phosphorylation on the foamability and stability of bovine serum albumin and citrus peel pectin (CPP) mixed foams

Author: Modak, Shrikant Ramaro

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2016

Call No.: 616.39 MOD

Acc. No.: T00173

Title: Exfoliation of layered MgB₂ by integrating solid state and solvent based strategies

Author: Medha, Swasti

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2016

Call No.: 617.4770592 MED

Acc. No.: T00174

Title: Stability analysis to predict dynamic behavior of self-oscillating polymer gels

Author: Rajput, Vandana

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2016

Call No.: 660 RAJ

Acc. No.: T00175

Title: Influence of cooling rate on the self-assembly and rheology of hematite and silica nano-particles in hexagonal liquid crystal

Author: Ankita, Verma

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2016

Call No.: 549.523 ANK

Acc. No.: T00176

Title: Design of an aerobic digester for hydrogen production

Author: Arable, Reshma Mallinath

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2016

Call No.: 665 ARA

Acc. No.: T00198

Title: Adsorption properties of ovalbumin (OVA) as emulsifier in water-commercial oil systems

Author: Panjwani, Bhawna

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2017

Call No.: 664 PAN

Acc. No.: T00224

Title: High pressure carbon dioxide based liquid food preservation: experiments and modeling

Author: Dhuri, Sagar Suresh

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2017

Call No.: 664.0286 DHU

Acc. No.: T00225

Title: Kinetic modeling, simulation and optimization of butylated urea formaldehyde resin synthesis

Author: Patel, Garima

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2017

Call No.: 668.4223 PAT

Acc. No.: T00226

Title: Thermal properties of polymer foams

Author: Mandale, Snehal

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2017

Call No.: 668.493 MAN

Acc. No.: T00227

Title: Phase behaviour of polymer ionic liquid system subjected to external electric field

Author: Agrawal, Anubha

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2017

Call No.: 620.192 AGR

Acc. No.: T00263

Title: Energy efficiency at an Indian milk processing plant

Author: Pal, Jaideep

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2017

Call No.: 637.10954 PAL

Acc. No.: T00291

Title: Influence of pH, protein concentration and ionic strength on the stability of SBO-water system using ovalbumin as emulsifier

Author: Oberoi, Charu

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2018

Call No.: 660.2969 OBE

Acc. No.: T00317

Title: Rheology and microstructure of hydrophilic and hydrophobic fumed silica in nematic liquid crystals

Author: Singh, Goverdhan

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2018

Call No.: 530.429 SIN

Acc. No.: T00321

Title: Polymorphism and particle formation pathways of poorly water soluble drugs during sonoprecipitation from [BMIM][C] solutions using water as antisolvent

Author: Panwar, Kusum

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2018

Call No.: 548.3 PAN

Acc. No.: T00327

Title: Qualitative study on the effect of chain rigidity on polymer coacervation-insights from the dilute phase

Author: Vashishtha, Mayank

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2018

Call No.: 668.9 VAS

Acc. No.: T00329

Title: Optimal startup and grade transition in pressure swing adsorption

Author: Sinha, Parth Prasoon

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2018

Call No.: 660.28423 SIN

Acc. No.: T00336

Title: Rheology and electrorheology of fumed silica nanoparticles in silicone oil: effect of surface chemistry and nanoparticle loading

Author: Lavania, Prashant

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2018

Call No.: 620.1064 LAV

Acc. No.: T00337

Title: High yield synthesis of boron based nanosheets by chelation assisted exfoliation of layered magnesium diboride towards functional polymer nanocomposites

Author: Saraswat, Rohit

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2018

Call No.: 620.192 SAR

Acc. No.: T00349

Title: Using graphene based nanocomposites to control the dynamics of oscillatory reactions and its application in monosaccharides quantification

Author: Verma, Sachin

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2018

Call No.: 678.72 VER

Acc. No.: T00351

Title: Optimization of performance of biphasic anaerobic digestion system by model predictive control

Author: Sen, Saikat

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2018

Call No.: 628.445 SEN

Acc. No.: T00352

Title: Optimal grade transition of a non isothermal continuous reactor with multi objective dynamic optimization approach

Author: Shirude, Sandesh Yashwant

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2018

Call No.: 660.2832 SHI

Acc. No.: T00353

Title: Performance assessment of nonlinear control loops having multifractal data

Author: Chaudhuri, Proteek

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2018

Call No.: 514.74 CHA

Acc. No.: T00382

Title: Understanding the role of solvents in ultrasonication assisted synthesis of carbon quantum dots

Author: Gawas, Ramchandra

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2018

Call No.: 660.293 GAW

Acc. No.: T00390

Title: Kinetics of protein microbubble dissolution in aqueous medium

Author: Khan, Aaqib H.

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2019

Call No.: 660 KHA

Acc. No.: T00406

Title: Self-moving polymer beads

Author: Mittal, Ankur

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2019

Call No.: 660 MIT

Acc. No.: T00412

Title: Surface patterning for enhanced protein stability

Author: Kumar, Avishek

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2019

Call No.: 660 KUM

Acc. No.: T00420

Title: High yield synthesis of nanostructures from layered titanium diboride and their hydrogelation

Author: Lenka Manish kumar

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2019

Call No.: 660 LEN

Acc. No.: T00436

Title: Vacuum-assisted filtration of nanosheets derived from titanium diboride to obtain free-standing paper like hierarchical macrostructures

Author: Pandey, Nidhi

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2019

Call No.: 660 PAN

Acc. No.: T00440

Title: Development of paint removal method for safe and eco-friendly cutting operation of end-of-life ships

Author: Vachhani, Parth Kumar

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2019

Call No.: 660 VAC

Acc. No.: T00442

Title: Modelling ABm step-growth polymerization through combinatorics

Author: Singh, Ravi Anand

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2019

Call No.: 660 SIN

Acc. No.: T00460

Title: Design of smart materials based on polymer ionic liquids

Author: S, Sairam

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2019

Call No.: 660 SAI

Acc. No.: T00464

Title: Effect of phase separation on the properties of shape memory polymer blends

Author: Khewle, Surbhi Prakash

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2019

Call No.: 668.9 KHE

Acc. No.: T00475

Title: Spontaneous translation of droplet over heterogenous surface due to thermal cycles:validation of dropeng model

Author: Saxena, Utkarsh Yogesh

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2019

Call No.: 660 SAX

Acc. No.: T00477

Title: Kinetics of CO₂ hydrate formation

Author: Trivedi, Vaibhav

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2019

Call No.: 660 TRI

Acc. No.: T00478

Title: Modeling simulation and optimization of a riser in a bfluid catalytic cracking unit

Author: Fatnani, Khushwant

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2019

Call No.: 660 FAT

Acc. No.: T00493

Title: Development of optimal schedule and water network for multistage multi product textile dyeing batch plant using genetic algorithm

Author: Nema, Ayush

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 667.2 NEM

Acc. No.: T00581

Title: Low temperature CO₂ capture using amine functionalized silica aerogel and its kinetics

Author: Sharma, Kanchan

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 660 SHA

Acc. No.: T00583

Title: Titanium diboride (TiB₂) based nanosheets as an active anode material for ultra-fast and long-life Li-ion batteries

Author: Varma, Akash

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 660 VAR

Acc. No.: T00614

Title: Cognitive engineering approaches to enhance control room operator capabilities in chemical industries

Author: Choudhary, Mahendra Jagdish

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 660 CHO

Acc. No.: T00615

Title: Design of cellular solids for acoustic noise cancellation: a lattice boltzmann approach

Author: Zope, Rajat Sunil

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 660 ZOP

Acc. No.: T00616

Title: Co-solvent exfoliation of layered titanium diboride into few-layer-thick nanosheets

Author: Patidar, Rishabh

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 660 PAT

Acc. No.: T00617

Title: Molecular dynamics simulations study of polyelectrolyte adsorption on charged surfaces

Author: Chatterjee, Samyabrata

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 660 CHA

Acc. No.: T00618

Title: Kinetics of dissolution of antibubble in an air saturated aqueous medium

Author: Deshmukh, Saurabh D.

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 660 DES

Acc. No.: T00619

Title: Synthesis and stability of monodispersed protein microbubbles using microfluidic T-junction device

Author: Surwase, Swarupkumar

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 660 SUR

Acc. No.: T00620

Title: Metal-based nanomats as catalyst for self-oscillating belousov-zhabotinsky reactions

Author: Sharma, Vishesh

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 660 SHA

Acc. No.: T00621

Title: High internal phase emulsion using globular protein ovalbumin

Author: Patel, Krushan

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 660 PAT

Acc. No.: T00622

Title: Measurement-based real-time optimization of wastewater treatment plants

Author: Haq, Ahteshamul

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 660 HAQ

Acc. No.: T00623

Title: Synthesis of optimal schedule and water network for a multipurpose multiproduct textile industry through a sequential MILP-NLP technique

Author: Alam, Md Nasre

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 660 ALA

Acc. No.: T00624

Title: Multi objective process optimization of natural gas tri-reformer in tubular and spherical packed bed reactors

Author: Ahmed, Md. Zafar

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 660 AHM

Acc. No.: T00625

Title: MgB₂ Derived 2D-Nanosheets for H₂ Storage and H₂ Generation

Author: Gupta, Arvind Kr

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 660 GUP

Acc. No.: T00825

Title: Simulation of self-moving Belousov- Zhabotinsky reaction droplets using Lattice Boltzmann Method

Author: Borkar, Chaitra

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 624 BOR

Acc. No.: T00826

Title: Modelling and design of supercapacitor using molecular dynamics simulations and experimental techniques

Author: Shukla, Gourav

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 660 SHU

Acc. No.: T00827

Title: Studying unfolding behaviour of γ -d crystallin using molecular dynamics simulations

Author: Ashokbhai, Sojitra Kandarp

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 660 ASH

Acc. No.: T00828

Title: Enhanced seed germination and plant growth using aqueous microbubble suspensions

Author: Shrivastava, Mayank

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 660 SHR

Acc. No.: T00829

Title: Aqueous nanosuspensions of poorly water-soluble drug using solidification of hot melt emulsions

Author: Endeshaw, Meketaye A.

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 660 END

Acc. No.: T00830

Title: Influence of pH, heating, and sucrose addition on ovalbumin stabilized Soya- bean Oil in water Emulsion Gels

Author: Singhal, Rachna

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 660 SIN

Acc. No.: T00831

Title: Using chemical patterns to alter the solid- fluid interfacial entropy without affecting solid-fluid interfacial free energy

Author: Saketharam, Reddy N

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 660 SAK

Acc. No.: T00832

Title: Evaluating the candidacy of titanium diboride (TiB₂) derived nanosheets as additives to enhance the CO₂ capturing ability of calcium oxide (CaO)

Author: Jani, Vruddhi

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 660 JAN

Acc. No.: T00833

Title: Multi-objective dynamic optimization study of an industrial scale fermentation process

Author: Patidar, Bhowmick

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 660 PAT

Acc. No.: T00834

Title: Shape memory properties of polymer- magnetic nanoparticle blends

Author: Patel, Niraliben

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 660 PAT

Acc. No.: T00835

Title: Improving CO₂ capture capacity of CaO-based sorbent using metal oxide nano-particles

Author: Mishra, Amit Kumar

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 660 MIS

Acc. No.: T00836

Title: Coarse grained modeling and sequence analysis of the nuclear pore complex

Author: Bhardwaj, Pratyasha

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2022

Call No.: 665 BHA

Acc. No.: T00978

Title: Graphene oxide - carbamoylated chitosan hydrogels with tunable mechanical properties for biological and printing applications

Author: Gupta, Ratnika

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2022

Call No.: 610.28 GUP

Acc. No.: T00987

Title: Synthesis and characterization of Tinospora Cordifolia (Giloy) loaded biopolymer films for food packaging

Author: Singh, Manjot

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2023

Call No.: 668.9 SIN

Acc. No.: T01089

Title: Sewage disposal and management at high altitude areas

Author: Sharma, Harshit

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2022

Call No.: 664.02845 SHA

Acc. No.: T01094

Title: Using molecular dynamics simulations to understand the exfoliation of Magnesium Diboride nanosheets

Author: Rastogi, Amisha

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2023

Call No.: 660 RAS

Acc. No.: T01113

Title: Freeze-drying of human waste at higher altitudes: a waste-to-energy approach

Author: Choudhury, Rupantar

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2023

Call No.: 664.02845 CHO

Acc. No.: T01123

Title: A comparative study of reverse flow chromatographic reactor and fixed bed reactor: a multi-objective optimization approach

Author: Srivastava, Shashwat

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2023

Call No.: 660.2832 SRI

Acc. No.: T01126

Title: Self-assembled amino acid microstructures as biocompatible physically unclonable functions (BPUFs) for authentication of therapeutically relevant hydrogels

Author: Akavaram, Vishwas Reddy

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2023

Call No.: 660 AKA

Acc. No.: T01130

Title: Effect of subsystem interactions on the computational effort of multiparametric model predictive control

Author: Singh, Rohit

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024

Call No.: 628.357 SIN

Acc. No.: T01214

Title: Bilevel model predictive control of a dual heater system and thermal mixing process

Author: Gupta, Subhi

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024

Call No.: 660 GUP

Acc. No.: T01218

Title: Studying polymorphic behavior of L-glutamic acid using experiments and molecular dynamic simulations

Author: Jain, Chahat

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024

Call No.: 660 JAI

Acc. No.: T01219

Title: Modeling and synthesis of electrodes for supercapacitor applications

Author: Kunte, Kaushik

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024

Call No.: 660 KUN

Acc. No.: T01232

Title: A comparative study of membrane reactor and cylindrical reactor using multi-objective optimization for methane reforming process

Author: Shigwan, Prajakta

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024

Call No.: 660 SHI

Acc. No.: T01239

Title: Multiparametric multi-objective MPC development and application to building climate control

Author: Uthraa K. R.

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024

Call No.: 660 UTH

Acc. No.: T01254

Title: Engineered MXene composite for electrochemical energy storage applications

Author: Swain, Mukul

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024

Call No.: 660 SWA

Acc. No.: T01268

Title: Mechanistic insights into Hydrogen production from formic acid decomposition over supported Pd alloy catalysts

Author: Kumar, Nandam Hemanth

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024

Call No.: 660 KUM

Acc. No.: T01270

Title: Effect of shape anisotropy on the precipitation of trimeric nanoparticles

Author: Mishra, Shivangi

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024

Call No.: 660.042 MIS

Acc. No.: T01281

Title: Three Approaches of multi-objective economic model predictive control for process systems

Author: Mwigo, Brian

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 660 MWI

Acc. No.: T01415

Title: Aqueous two-phase system enabled dual-layered hydrogels with tunable nanoparticle localization”

Author: Kambekar, Aniruddha A.

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 660.6 KAM

Acc. No.: T01432

Title: Development of paper based point-of care device for early detection of breast cancer

Author: Kanungo, Jaydeep

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 660.63 KAN

Acc. No.: T01456

Title: A study on removal of Enoxacin, an emerging pharmaceutical pollutant from wastewater using graphene oxide via batch and continuous processing methods

Author: Tadv, Jinkal Anilkumar

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 660.6 TAD

Acc. No.: T01457

Title: Computational assessment of the efficacy of smog towers in cleaning ambient air

Author: Fatima, Mehnaaz

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 628.53 FAT

Acc. No.: T01464

Title: Investigating the effect of TiB₂-based nanostructures on the ballistic resistance of aramid fibers

Author: Saikia, Pooja

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 660.2 SAI

Acc. No.: T01470

Title: Understanding aggregation of crystallin protein using HP(Hydrophobic-Polar) lattice model

Author: Sondkar, Pratiksha B.

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 660.6 SON

Acc. No.: T01472

Title: Effect of pH on hydrogen production from formic acid decomposition over Pd based catalysts

Author: Javiya, Riya Anilkumar

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 660.6 JAV

Acc. No.: T01479

Title: Enhancing properties of shape memory polymer blends via compatibilization

Author: Bobade, Sanket Anil

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 660.28 BOB

Acc. No.: T01482

Title: Molecular dynamics simulation of silica nanoparticles to analyze interparticle interactions using potential of mean force

Author: Singh, Shweta

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 541.369 SIN

Acc. No.: T01494

Title: 3D Printing of hydrogels: a synergistic approach of rheology and ANSYS modeling

Author: Ahmad, Siraj

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 621.98 AHM

Acc. No.: T01495

Title: Understanding polymorphic behaviour of L-glutamic acid using combined cooling and anti-solvent crystallization using in-situ Raman spectroscopy and MD simulations

Author: Venkatesh, Lankalapalli

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 660 VEN

Acc. No.: T01507

Civil Engineering (169)

Title: Mechanical behavior of slurry consolidated specimens of cement treated soft soil using shear strength and CRS consolidation testing

Author: Bhuria, Nidal Raj

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2013

Call No.: 624.151 BHU

Acc. No.: T00005

Title: Estimation of linear spring constant for laterally loaded monopile embedded in nonlinear soil

Author: Rani, Shivani

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2013

Call No.: 624.15 RAN

Acc. No.: T00008

Title: Shear strength and compressibility behavior of Bhavnagar expansive soil with varying mineralogical and swelling properties

Author: Mehta, Bhavini

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2014

Call No.: 624.15136 MEH

Acc. No.: T00011

Title: Effect of water content on shear strength behaviour of micaceous Kutch soil

Author: Pandya, Pavni

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2014

Call No.: 624.1517 PAN

Acc. No.: T00012

Title: Response of smartphones to roadway surface irregularities

Author: Majhi, Subhra

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2014

Call No.: 625.7 MAJ

Acc. No.: T00019

Title: Strain influence diagram for estimation of settlement of isolated and combined ring footings

Author: Samal, Deepak Kumar

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2014

Call No.: 624 SAM

Acc. No.: T00051

Title: Landslide susceptibility mapping using GIS

Author: Udas, Kaustubh Jayant

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2015

Call No.: 624 UDA

Acc. No.: T00052

Title: Estimating dynamic response from pushover type analysis through a semi-empirical approach

Author: Kota, Tejaswi

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2015

Call No.: 624 KOT

Acc. No.: T00053

Title: Design of a new passive energy dissipation system for earthquake resistant structures

Author: Reddy, Palugulla Raja Mohan

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2015

Call No.: 624.1771 RED

Acc. No.: T00056

Title: Development of novel web application for analysis, design and optimization of trusses.

Author: Mandhyan, Amar

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2015

Call No.: 624 MAN

Acc. No.: T00066

Title: GPR data analysis of weak signals and GRP investigation at Dholavira site

Author: Agrawal, Silky

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2015

Call No.: 624 AGR

Acc. No.: T00067

Title: Displacement based design framework for confined masonry system using strut and tie model

Author: Vinayak, Ghaisas Kunal

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2015

Call No.: 692.309941 VIN

Acc. No.: T00071

Title: Effect of strain rate on shear strength and pore pressure behavior of soft soil

Author: Sudan, Gundeep Kaur

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2015

Call No.: 624.15136 SUD

Acc. No.: T00074

Title: Bed rock profile analysis and interpretation of archaeological features using GPR at Dholavira

Author: Majumder, Mantu

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2015

Call No.: 551.0954 MAJ

Acc. No.: T00076

Title: Characterization of in-plane and out of -plane behavior of infill panels subjected to thermal exposure

Author: Kumar, Puneet

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2015

Call No.: 628.922 KUM

Acc. No.: T00082

Title: Investigation of moisture transport properties of FAL-G bricks and cement

Author: Bhat, Rujuta

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2015

Call No.: 693.5 BHA

Acc. No.: T00083

Title: Effect of agar biopolymer on shear strength behaviour of Sabarmati soil

Author: Smitha, S.

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2015

Call No.: 624.15136 SMI

Acc. No.: T00085

Title: Seismic analysis of confined masonry shear walls

Author: Rangwani, Kiran Prakashkumar

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2016

Call No.: 693.1 RAN

Acc. No.: T00102

Title: Material property for masonry design:correlating no-destructive and destructive tests

Author: Verma, Ravi

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2016

Call No.: 620.11 VER

Acc. No.: T00151

Title: Effect of crushing on stress-strain & pore pressure behaviour of micaceous kutch soil under monotonic compression & repeated loading-unloading conditions

Author: Mishra, Manas Chandan

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2016

Call No.: 621.38173 MIS

Acc. No.: T00152

Title: Characteristic of GPR signatures of pipes and wall

Author: Thakur, Mohamod Mohsin

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2016

Call No.: 627.05 THA

Acc. No.: T00153

Title: Near-real time inundation mapping of the kosi river

Author: Nanditha, J.S.

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2016

Call No.: 627.05 NAD

Acc. No.: T00154

Title: Equivalent truss model for the in-plane nonlinear analysis of confined masonry

Author: Rankawat, Nikita

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2016

Call No.: 624.177 RAN

Acc. No.: T00155

Title: Physio-chemical characterization of cement mortar at high temperature

Author: Kushwah, Pavan

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2016

Call No.: 547.596 KUS

Acc. No.: T00156

Title: Impacts of climate change on hydro power production in India

Author: Ali, Syed Azar

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2016

Call No.: 629 ALI

Acc. No.: T00157

Title: Hydraulic measurement by kinect

Author: Sahu, Bidhan Kumar

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2016

Call No.: 627.042 SAH

Acc. No.: T00158

Title: Uncertainty in water budget derived from the reanalysis products in the Indian sub-continental river basins

Author: Kasturi, Keerthi Priya

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2016

Call No.: 662.669 KAS

Acc. No.: T00159

Title: Mesoscale modeling of concrete at elevated temperature

Author: Ghumde, Atik Kishor

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2016

Call No.: 551.5 GHU

Acc. No.: T00184

Title: A robust pushover analysis for multi-component seismic excitation: a new frame work

Author: Mathew, Rojan

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2016

Call No.: 624.1762 MAT

Acc. No.: T00199

Title: Probabilistic seismic hazard analysis of Gujarat and its implication on seismic design

Author: Bashir, Asim

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2017

Call No.: 624.1762 BAS

Acc. No.: T00201

Title: Experimental determination of natural frequency of confined masonry building by ambient and forced vibration testing

Author: Nema, Harshit

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2017

Call No.: 620.0044 NEM

Acc. No.: T00202

Title: Effect of in-plane boundary conditions on buckling and post buckling response of thin plates under uni-axial compression/in-plane shear

Author: Botlapati, Sri Sahith

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2017

Call No.: 624.17765 BOT

Acc. No.: T00228

Title: Effect of crushing and strain rate on mechanical behaviour of Gandhinagar fly ash

Author: Gupta, Kanika

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2017

Call No.: 624 GUP

Acc. No.: T00229

Title: Simplified 1-D modeling of duo-pile system subjected to lateral loads

Author: Kolli, Mohan Krishna

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2017

Call No.: 624.154 KOL

Acc. No.: T00230

Title: Flow past a sand mining pit

Author: Joshi, Pariveeksha

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2017

Call No.: 622.3622 JOS

Acc. No.: T00231

Title: Design methodology of ash dyke using geosynthetics considering hydraulic conditions

Author: Soni, Shubham

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2017

Call No.: 628.44564 SON

Acc. No.: T00232

Title: Impacts of climate change on water availability in snow dominated river basins in Bhutan

Author: Gautam, Prakash

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2017

Call No.: 551.655498 GAU

Acc. No.: T00261

Title: Effect of interaction factors on modelling of piled raft foundation

Author: Kamal, Vikalp

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2017

Call No.: 624.154 KAM

Acc. No.: T00289

Title: Experimental studies on interpretation of GPR data for various applications

Author: Sunnda

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2017

Call No.: 681.755 SUN

Acc. No.: T00290

Title: Case study of slope failures in canals

Author: Basheer, Amjeth

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2017

Call No.: 624.171 BAS

Acc. No.: T00292

Title: Blast pressure calculation and response of column subjected to blast loads using a simplified method

Author: Deshpande, Kaustubh

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2018

Call No.: 624.176 DES

Acc. No.: T00293

Title: Comparative study of fire ratings of reinforced concrete beams and columns calculated through different analytical, empirical and codal methods

Author: Lambhate, Harshal

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2017

Call No.: 624.18342 LAM

Acc. No.: T00294

Title: Study on the macro models to simulate the seismic response of masonry-infilled reinforced concrete frames

Author: Ghosh, Rajdeep

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2018

Call No.: 624.1762 GHO

Acc. No.: T00295

Title: Failure mechanisms in low rise RC framed building with masonry infills under seismic loading

Author: Khokhar, Rimpay

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2017

Call No.: 624.1762 KHO

Acc. No.: T00296

Title: Effect of stress history on stress-strain and volumetric response of laterite soil under undrained and drained conditions

Author: Abhijith, T K

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2018

Call No.: 624.15136 ABH

Acc. No.: T00300

Title: Design of facility for full scale testing of structural elements under fire scenarios

Author: Nandurkar, Akshay

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2018

Call No.: 693.82 NAN

Acc. No.: T00304

Title: Influence of a gap between column and masonry wall on the response of masonry infilled reinforced concrete frame

Author: Sonpal, Ashutosh

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2018

Call No.: 624.183 SON

Acc. No.: T00310

Title: Experimental investigation of scour around bridge pier under pressurized flow condition

Author: Gupta, Rajat Kumar

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2018

Call No.: 624.20288 GUP

Acc. No.: T00341

Title: Climate controls on shallow and deep groundwater storage in western India

Author: Meghwal, Rakesh

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2018

Call No.: 624 MEG

Acc. No.: T00343

Title: Computationally efficient 1-D line element for modeling 3-D heat transfer in structural system

Author: Hasanth, Kota Sarana

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2018

Call No.: 624.1 HAS

Acc. No.: T00354

Title: Study of cement mortar reinforced with water soluble polymer as admixture for high temperature applications

Author: Shah, Harsh Janakkumar

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2018

Call No.: 620.118 SHA

Acc. No.: T00383

Title: Experimental study and analytical modeling of a plasterboard suspended ceiling system with free perimeter support

Author: Matale, Sujit Vasant

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2018

Call No.: 624.17 MAT

Acc. No.: T00384

Title: Design of reaction wall-strong floor system for pseudo-dynamic testing facility

Author: Khairkar, Neha

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2018

Call No.: 624.1 KHA

Acc. No.: T00404

Title: Prevalence of antibiotics resistance and putative human pathogen in the urban water

Author: Ram, Bhagwana

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2019

Call No.: 620.82 RAM

Acc. No.: T00422

Title: Stabilization of subgrade micaceous soil using bentonite and lime

Author: Sadhwani, Bhumika

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2019

Call No.: 624 SAD

Acc. No.: T00423

Title: Bedload measurement using pipe fiber bragg grating system

Author: Aren, Jatin

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2019

Call No.: 624.1 ARE

Acc. No.: T00430

Title: Aggregation and mobility of black carbon in aquatic environment: implications of major ions and PH

Author: Upadhyay, Rahul

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2019

Call No.: 624 UPA

Acc. No.: T00456

Title: Effect of loading rate and stress history on strain localization patterns of laterite soil under different boundary conditions

Author: Nazir, Rasikh

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2019

Call No.: 624 NAZ

Acc. No.: T00459

Title: Interface shear strength behavior of marginal soils with geotextiles and geogrids

Author: Khunt, Sagarkumar

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2019

Call No.: 624 KHU

Acc. No.: T00463

Title: Role of extreme precipitation and initial hydrologic conditions on floods in Godavari river basin, India

Author: Garg, Shailesh

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2019

Call No.: 624 GAR

Acc. No.: T00467

Title: Effect of particle crushing on shear behavior of gandhinagar fly ash under monotonic & cyclic loading conditions

Author: Shrivastava, Aparna

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2019

Call No.: 624 SHR

Acc. No.: T00486

Title: Integrated drought index (IDI) for drought monitoring and assessment in india

Author: Shah, Deep

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2019

Call No.: 624 SHA

Acc. No.: T00489

Title: Physical definition based damage index for RC members under cyclic and seismic loading

Author: Manawa, Kimti

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2019

Call No.: 624 MAN

Acc. No.: T00494

Title: Boundary effects in 3-D seismic analysis and spring constant for 1-D simplified model for soil-pile system

Author: Srusti, Bala Harsha Teja

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2019

Call No.: 621.1 SRU

Acc. No.: T00576

Title: Reinforcement configurations for GRS abutment wall

Author: Khandelwal, Gaurav

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2019

Call No.: 624.17 KHA

Acc. No.: T00582

Title: Revisiting seismic design philosophy of RC beam-column joints and assessment of revised Indian standard

Author: Lakhani, Mohit

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2019

Call No.: 620 LAK

Acc. No.: T00584

Title: Influence of polyvinyl methyl ether on hydration of cement and high-temperature behaviour of cement mortar

Author: Nikhil, O

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2019

Call No.: 624.1833 NIK

Acc. No.: T00585

Title: Fire resistance of concrete filled steel tube columns protected by intumescent coating

Author: Patidar, Prajjwal

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2019

Call No.: 624.18341 PAT

Acc. No.: T00586

Title: New concept of augmenting steel plate shear wall with auxetic structure to enhance its energy dissipation

Author: Shankar, Ravi

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2019

Call No.: 624.1776 SHA

Acc. No.: T00587

Title: Seismic coefficients for pseudo-static analysis of wrap faced geosynthetic reinforced soil walls

Author: Sharma, Sukrit

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2019

Call No.: 624.18341 SHA

Acc. No.: T00588

Title: Properties assessment of high-performance fiber-reinforced concrete (HPFRC)

Author: Goyal, Yash

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 624.18341 GOY

Acc. No.: T00589

Title: Developing a device to reduce carbon dioxide emission from vehicle exhaust gas

Author: Sarkar, Purna

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 624 SAR

Acc. No.: T00590

Title: Dynamic behavior and characteristic failure response of low plasticity cohesive soil

Author: Thakur, Adarsh Singh

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 624.1 THA

Acc. No.: T00591

Title: Conceptual design to shop-detailing of a self-equilibrating structural loading frame: adaptable vertical and horizontal single-acting actuators

Author: Reddy, Avisina Charitej

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 624.1 RED

Acc. No.: T00592

Title: Evaluation of impact plate geophone system (IPGS) for bedload measurement

Author: Kumar, Deepak

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 624.1 KUM

Acc. No.: T00593

Title: Propagation of meteorological to hydrological droughts in India

Author: Bhardwaj, Kunal

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 624 BHA

Acc. No.: T00594

Title: Multi-physics modeling of effect of blast on a steel column protected with polyurethane foam

Author: Mathur, Manu

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 624.18 MAT

Acc. No.: T00595

Title: Effect of stress ratio on shear behavior of earthen dam soils under monotonic and cyclic simple shear loading conditions

Author: Gujrati, Sheetal

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 624.171 GUJ

Acc. No.: T00596

Title: Effect of stress history on monotonic and cyclic shear behavior of Fatehgarh dam soil

Author: Mukati, Tanaya

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 624.17 MUK

Acc. No.: T00597

Title: Static and seismic performance of barrage foundation with cutoff wall

Author: Masoori, Satish

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 624.1762 MAS

Acc. No.: T00598

Title: Development of a novel magnetic nano-geopolymer to reduce the impact of landfill leachate on groundwater

Author: Pradhan, Nivedita

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 624 PRA

Acc. No.: T00599

Title: Modeling and analysis of square tubular steel beams subjected to transverse blast loads using the material point method

Author: Khatri, Rahul

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 624.1772 KHA

Acc. No.: T00600

Title: Runoff sensitivity of Indian sub-continental river basins

Author: Bharat, Shaline

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 624.1 BHA

Acc. No.: T00601

Title: Confined masonry buildings: evaluation of modal properties using ambient vibration testing

Author: Chakra Varthy, B. Pranav

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2019

Call No.: 624.183 CHA

Acc. No.: T00602

Title: Response of unreinforced masonry-infilled RC frames with failure in infill dominated

Author: Dewangan, Himanshi

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 624 DEW

Acc. No.: T00794

Title: Adsorption of the methylene blue from aqueous solution using geopolymer mortar grains in a fixed-bed columns

Author: Ajay Chandran P V

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 624 PVA

Acc. No.: T00795

Title: Evaluation of different optimisation methods in MASW interpretation and determination of shear wave velocity profile using multi-sensor configuration analysis

Author: Shivani, Lovkesh

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 624 SHI

Acc. No.: T00796

Title: Seismic coefficients for design of geosynthetic reinforced soil wall with soil non-linearity effect and different foundation soils

Author: Wani, Sahil

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 624 WAN

Acc. No.: T00797

Title: Effect of moisture content, density, rubber and plastic waste on interface shear behavior of marginal soil- geosynthetic system

Author: Shandilaya, Shivesh

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 624 SHA

Acc. No.: T00798

Title: Understanding the seismic performance of a fiber reinforced concrete building

Author: Mahagaonkar, Suvil

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 624 MAH

Acc. No.: T00799

Title: Influence of infill masonry on seismic performance of RC buildings

Author: Bharadwaj, Kartikeya

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 693.1 BHA

Acc. No.: T00800

Title: Drag coefficients for a high-voltage delta- configuration lattice transmission tower segment

Author: Oza, Parthesh S.

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 624 OZA

Acc. No.: T00801

Title: An evaluation of strategies to enhance the resilience of power transmission network in the state of Odisha, India

Author: Raj, Surender V

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 624 RAJ

Acc. No.: T00802

Title: Evaluation of meteorological forecast skill for flood prediction in Brahmaputra river basin

Author: Kale, Akash Ravindra

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 624 KAL

Acc. No.: T00803

Title: On the occurrence of the observed worst flood in Mahanadi River basin under the warming climate

Author: Pandey, Deeptija

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 624 PAN

Acc. No.: T00804

Title: Studying propagation of non-reacting contaminant in combining open channel flow

Author: Mehta, Dip

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 624 MEH

Acc. No.: T00805

Title: Role of internal variability in hydropower generation potential in changing demand scenario

Author: Dixit, Sudhanshu

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 624 DIX

Acc. No.: T00806

Title: Understanding the evolution of interstate trade network using complex network framework

Author: Kulkarni, Sujata S

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 624 KUL

Acc. No.: T00807

Title: Ensemble streamflow prediction in Narmada River Basin, India: comparison of two operational weather forecast products

Author: Devenbhai, Vegad Urmin

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 624 DEV

Acc. No.: T00808

Title: Soil moisture and streamflow data assimilation for streamflow prediction in Narmada River basin

Author: Prakash, Ved

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 624 PRA

Acc. No.: T00809

Title: Developing design charts for reinforced concrete shear walls with and without boundary elements

Author: Menon, Aiswarya

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 624 MEN

Acc. No.: T00810

Title: Effect of guar gum biopolymer on shear strength, cyclic and durability response of class-f fly ash

Author: Saxena, Ashray

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 624 SAX

Acc. No.: T00811

Title: Shrinkage, swelling, cracking and shear strength response of expansive soil stabilized with fly ash and lime

Author: Hiteshkumar, Shah Jahnvi

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 624 HIT

Acc. No.: T00812

Title: Effect of rainwater harvesting on soil erosion in Imphal City

Author: Ngasepam, Jayalaxmi

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 624 NGA

Acc. No.: T00813

Title: Characterisation of fire behaviour in public transport buses

Author: C T, Pavithra

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 624 PAV

Acc. No.: T00814

Title: Evaluating resilience of water distribution network in realistic urban setting under seismic hazard

Author: Chandrakar, Pranav

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 624 CHA

Acc. No.: T00815

Title: Proportioning elastomeric bearings in a seismically isolated building with horizontal and vertical setbacks and torsional irregularities

Author: Haridas, Spandhana M.

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 624 HAR

Acc. No.: T00816

Title: On improved seismic performance of reinforced concrete structures using steel fiber reinforcement—analytical feasibility study

Author: Rajput, Tarun Singh

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 624 RAJ

Acc. No.: T00817

Title: Mechanical behavior of micaceous sand treated with lime, bentonite and kaolinite

Author: Fayaz, Zarnain

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 624 FAY

Acc. No.: T00818

Title: Characterisation of fire behaviour inside non-AC rail coach

Author: Shah, Drashti

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 624 SHA

Acc. No.: T00819

Title: Quantitative analysis and understanding of building fires in India

Author: Renjini, R

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 624 REN

Acc. No.: T00820

Title: Efficacy of horizontal seismic isolation in a generic fast breeder reactor

Author: Khan, Mohammed Salim D.

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 624 KHA

Acc. No.: T00821

Title: Structural damage detection through ambient signatures
Author: Mittal, Abhi
Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021
Call No.: 624 MIT
Acc. No.: T00822

Title: Seismic performance of RC frames with unreinforced masonry infills
Author: Jain, Ankush
Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021
Call No.: 624 JAI
Acc. No.: T00823

Title: Estimation of normal, inverse, and irregular earth profiles using different global optimization techniques from active MASW
Author: Paul, Somnath
Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021
Call No.: 624 PAU
Acc. No.: T00824

Title: Sloshing in conventionally-founded and base isolated liquid retaining tanks subjected to earthquake induced shaking
Author: Pandole, Abhishek
Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2022
Call No.: 624.1762 PAN
Acc. No.: T00971

Title: Shear modulus, liquefaction susceptibility and rebound response of micaceous sand under different dynamic loading conditions
Author: Manzoor, Bazela
Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2022
Call No.: 624 MAN
Acc. No.: T00979

Title: Suitability of bentonite treated pond ash for ash dyke construction
Author: Agarwal, Aditi
Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2022
Call No.: 624 AGA
Acc. No.: T00988

Title: Projected increase in hydropower potential in Indian river basins driven by the rise in high-flow events
Author: Chuphal, Dipesh Singh
Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2022
Call No.: 624 CHU

Acc. No.: T00989

Title: Effect of coarse content on monotonic, dynamic and liquefaction response of pond ash

Author: Luhar, Hiral Rajendrabhai

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2022

Call No.: 624 LUH

Acc. No.: T00990

Title: Analytical formulation of slab behavior at fire considering the effect of tensile membrane action

Author: Singh, Prashant Kumar

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2022

Call No.: 624.1 SIN

Acc. No.: T00991

Title: On the feasibility of GPR assessment for non-contact landmine detection

Author: Garg, Ushma

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2022

Call No.: 623 GAR

Acc. No.: T00992

Title: Analysis of RC shear wall subjected to thermal exposure

Author: Panara, Vimal Ganeshbhai

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2022

Call No.: 624.1762 PAN

Acc. No.: T00993

Title: Stability analysis of low-width back-to-back geosynthetic reinforced soil wall

Author: Siddiqui, MD Nayim

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2022

Call No.: 624.18341 SID

Acc. No.: T01013

Title: Detailed combustion modeling of polyethylene used in ACP

Author: Kumar, Sumit

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2022

Call No.: 624 KUM

Acc. No.: T01014

Title: Spatiotemporal evolution of hydroclimatic extremes using complex networks and synchronization analysis

Author: Mansoor, Danish

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2023

Call No.: 627 MAN

Acc. No.: T01088

Title: Strengthening of railway bridge approaches using geocells

Author: Jaiswal, Ekta

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2022

Call No.: 624.2 JAI

Acc. No.: T01095

Title: Design methodology of compaction piles to prevent liquefaction and to support structures on abandoned ash pond

Author: Choudhary, Vaidika

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2023

Call No.: 624.154 CHO

Acc. No.: T01106

Title: Stress block parameters for concrete: experimental and analytical investigations

Author: Tripathi, Sandesh

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2023

Call No.: 624.1834 TRI

Acc. No.: T01109

Title: Effect of green infrastructures on The urban water cycle

Author: Sabut, Amitesh

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2023

Call No.: 624 SAB

Acc. No.: T01114

Title: Dam break flood risk in the Narmada basin under the warming climate

Author: Dilip, K. Nandana

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2023

Call No.: 627.8 DIL

Acc. No.: T01121

Title: Characterizing deformations in 3D printed concrete layers

Author: Biswa, Ran Bdr

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024

Call No.: 624.1834 BIS

Acc. No.: T01212

Title: Response of reinforcement facia connection systems in segmental geosynthetic reinforced soil walls subjected to pullout loading

Author: Kumar, Adarsh

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024

Call No.: 621.8 KUM

Acc. No.: T01217

Title: Improved estimates of temperature distributions for design of jointed plain concrete pavements in India and Nepal

Author: Jha, Avinash Kumar

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024

Call No.: 624.18341 JHA

Acc. No.: T01256

Title: Spatiotemporal evolution of concurrent heat waves using complex networks and synchronization analysis

Author: Rathore, Poonam

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024

Call No.: 624 RAT

Acc. No.: T01271

Title: Effect of slope in reduction of horizontal load capacity of a vertical pile

Author: Jamatia, Sanja

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024

Call No.: 624.154 JAM

Acc. No.: T01279

Title: Non-renewable groundwater depletion through the lens of interstate trade if agricultural crops in india

Author: Mishra, Shaonli

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024

Call No.: 551.49 MIS

Acc. No.: T01280

Title: Effect of plasticity index on desiccation induced cracking and strain localization in compacted clayey soils using digital image processing

Author: Majumder, Soumik

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024

Call No.: 624.15136 MAJ

Acc. No.: T01284

Title: Characterization and evaluation of Copper slag as an alkali-activated cementitious material

Author: Parashar, Aditi

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024

Call No.: 624 PAR

Acc. No.: T01401

Title: Effect of ground improvement with stone columns on lateral capacity of pile

Author: Dasari, Jagadishwar

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024

Call No.: 624.15 DAS

Acc. No.: T01402

Title: Computational modeling of fire, smoke and egress in metro stations

Author: Singh, Gaurav

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024

Call No.: 628.92 SIN

Acc. No.: T01403

Title: Mitigation of Alkali-Silica reaction in GGBS based geopolymer using LiOH

Author: Sharma, Saurabh Kumar

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024

Call No.: 624 SHA

Acc. No.: T01407

Title: Complex networks reveal constraints in drought synchronization, and robust global connectivity in rainfall extremes despite internal variability

Author: Poonia, Hemant

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 624.1 POO

Acc. No.: T01409

Title: Development of composites to be used as liners in sliding bearings, and a restrainer to produce adaptive behavior

Author: Mevawala, Jeet

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 620.11 MEV

Acc. No.: T01411

Title: Analysis of jointed plain concrete pavements under heterogeneous traffic

Author: Thakur, Bhabya

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024

Call No.: 625.73 THA

Acc. No.: T01413

Title: Numerical modelling of unreinforced and reinforced railway transition zone under cyclic loading using SANISAND MS model

Author: Doshi, Mohit

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 625.1 DOS

Acc. No.: T01416

Title: Development of ert experimentation and numerical framework for thickness profiling in rigid and flexible pavement

Author: Sindhiya J, Merlin

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 625.73 SIN

Acc. No.: T01420

Title: Development of high-resolution soil moisture product for India, 1981-2024

Author: Abhishek

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 624.1 ABH

Acc. No.: T01425

Title: A comparative study of particulate matter emissions from tobacco and non-tobacco (herbal) cigarettes

Author: Singh, Akansha

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 628.53 SIN

Acc. No.: T01427

Title: Pile drivability analysis to evaluate minimum hammer energy for high-strain testing and a parametric study on driven pile

Author: Pandey, Ankit Kumar

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 624.1 PAN

Acc. No.: T01435

Title: Effect of relative compaction on stress-strain response of low-plasticity cohesive soil under drained and undrained monotonic loading conditions

Author: Khan, Areen

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 624.15 KHA

Acc. No.: T01438

Title: Development of high resolution (0.05°) drought index (HRDI) for India

Author: Kumar, Harsh

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 551.57 KUM

Acc. No.: T01454

Title: Dam break flow induced scour around a bridge pier

Author: Poddar, Jitendra

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 627.13 POD

Acc. No.: T01458

Title: Reaction mechanism and micro-structural analysis of ground granulated blast furnace slag activated with lithium hydroxide

Author: Golamari, Krishna Chaitanya Reddy

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 624.8 GOL

Acc. No.: T01459

Title: Resilient modulus evaluation of pond ash with varying bottom ash content for pavement design and interface shear of Geogrid - pond ash for reinforced earth applications

Author: Kumar, Manish

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 624.15 KUM

Acc. No.: T01461

Title: Quantifying groundwater contributions to surface flooding in coastal urban areas

Author: Sutrave, Manthan

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 551.49 SUT

Acc. No.: T01462

Title: Experimental investigation of laterally loaded model piles in sand improved by limited gravel zone in the surrounding

Author: Uikey, Prayag Raj

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 624.1 UIK

Acc. No.: T01474

Title: Development of homogenized interlayer theory (HIT) geosynthetic reinforced flexible pavements

Author: Jahan, Rubayet Parvez

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 625.8 JAH

Acc. No.: T01480

Title: Public transportation-based evacuation planning for the statue of unity using microscale traffic modelling

Author: Yadav, Shubham

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 625.7 YAD

Acc. No.: T01493

Title: Effect of sand mining on a confluence

Author: Jaiswal, Sushil Kumar

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 621.1 JAI

Acc. No.: T01502

Title: Microstructural evolution and hydration mechanisms of GGBS activated with 5M sodium hydroxide

Author: Valligatla, Venkata Siddeswara

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 624.1 VAL

Acc. No.: T01506

Title: Representative weather datasets for long-term temperature predictions in rigid pavements

Author: Khachi, Anushka

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 624.1 KHA

Acc. No.: T01519

Title: Influence of borax on the setting time and characterization of NaOH-activated GGBS-based geopolymers

Author: Dey, Ashmita

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 620.13 DEY

Acc. No.: T01520

Title: Effect of titanium diboride nanosheets on cement hydration and strength of cement mortar

Author: Tamang, Choden

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 624.1 TAM

Acc. No.: T01522

Title: Flow past a permeable spur dike on mobile bed

Author: Nayak, Debasmita Priyadarshini

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 627.1 NAY

Acc. No.: T01523

Title: Effects of shade on roads in urban areas

Author: Khan, Faizy

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 625.7 KHA

Acc. No.: T01524

Title: Thermal stability of alkali-activated GGBS using NaOH and LiOH as alkaline activators

Author: Rai, Kritika

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 620.1 RAI

Acc. No.: T01527

Title: Hydrological sensitivity analysis of glacier-fed Himalayan river basins

Author: Tahir, Mohd Suhail

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 627.12 TAH

Acc. No.: T01529

Title: Effect of lime and fiber treatment on geotechnical response of pond ash with varying bottom ash content

Author: Rathor, Pragya

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 624.15 RAT

Acc. No.: T01533

Computer Science and Engineering (98)

Title: Step towards the design of a collaborative virtual reality-based story-telling environment

Author: Sinha, Sujata

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2018

Call No.: 004.019 SIN

Acc. No.: T00299

Title: Empirical evaluation of coresets for L1- regression

Author: Dwivedi, Ashish

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2019

Call No.: 004 DWI

Acc. No.: T00417

Title: On the parameterized complexity of spanning trees with small vertex covers

Author: Kaur, Chamanvir

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2019

Call No.: 004 KAU

Acc. No.: T00426

Title: Towards a scalable online hierarchical clustering algorithm

Author: Doshi, Ishita

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2019

Call No.: 005.1 DOS

Acc. No.: T00429

Title: Crowd counting and monitoring in a surveillance system

Author: Gautam, Priyanka

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2019

Call No.: 004 GAU

Acc. No.: T00445

Title: Dominating set and its variants
Author: Rathi, Piyush
Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2019
Call No.: 004.2 RAT
Acc. No.: T00446

Title: Multiple source replacement path
Author: Jain, Rahul
Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2019
Call No.: 004 JAI
Acc. No.: T00455

Title: Single image super resolution using deep learning
Author: Kumar, Shiv
Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2019
Call No.: 004 KUM
Acc. No.: T00469

Title: Person re-identification for surveillance systems
Author: Singh, Subham kumar
Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2019
Call No.: 004 SIN
Acc. No.: T00472

Title: Prefetching in hybrid main memory systems
Author: Subisha, V
Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2019
Call No.: 004.5 SUB
Acc. No.: T00474

Title: On algorithms for pathwidth computation
Author: Panchal, Twinkle
Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2019
Call No.: 005.1 PAN
Acc. No.: T00476

Title: EEG pattern identification from convolutional neural networks
Author: Sonawane, Dhananjay
Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020
Call No.: 004 SON
Acc. No.: T00626

Title: Solar energy forecasting using machine learning
Author: Kumar, Karan
Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020
Call No.: 004 KUM
Acc. No.: T00627

Title: Single edge fault tolerant source-wise multiplicative spanner
Author: Chugh, Krishan Kant
Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020
Call No.: 004 CHU
Acc. No.: T00628

Title: Deep learning approach for medical imaging
Author: Yadav, Kushpal Singh
Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020
Call No.: 004 YAD
Acc. No.: T00629

Title: Purely additive fault tolerant spanners in undirected graphs
Author: Upadhyaya, Neelay
Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020
Call No.: 004 UPA
Acc. No.: T00630

Title: Designing NVM tiered storage system using block traces
Author: Upadhyay, Prathamesh
Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020
Call No.: 004 UPA
Acc. No.: T00631

Title: Compressing pre-trained neural network
Author: Choudhuri, Roop
Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020
Call No.: 004 CHO
Acc. No.: T00632

Title: Analyzing the NLP conferences
Author: Chowdhury, Sayak
Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020
Call No.: 004 CHO
Acc. No.: T00633

Title: Estimation of PM2.5 using satellite and meteorological data

Author: Roy, Souvik

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 004 ROY

Acc. No.: T00634

Title: Study of multilingualism and code-mixing of the low resource languages

Author: Srivastava, Vivek

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 004 SRI

Acc. No.: T00635

Title: Deep HDR-GIF and HDR video from LDR content

Author: Kumar, Chandan

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 004 KUM

Acc. No.: T00636

Title: Deep over and under exposed region detection

Author: Jain, Darshita

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 004 JAI

Acc. No.: T00637

Title: Identifying sleeping beauty authors in the scientific network

Author: Kundu, Soumita

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 004 KUN

Acc. No.: T00638

Title: Parameterized complexity of permutation group factorization and related problems

Author: Vaidyanathan, P. R.

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2019

Call No.: 621.39 VAI

Acc. No.: T00691

Title: Comparative study of correlation clustering algorithms

Author: Srikrishnan, Sreejith

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 621.3 SRI

Acc. No.: T00837

Title: Introducing sparsity to point sets for completion of coarse and dense point clouds

Author: Bankoti, Jaideep Singh

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 621.3 BAN

Acc. No.: T00838

Title: Fast Deblurring cGAN

Author: Kumar, Jatin

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 621.3 KUM

Acc. No.: T00839

Title: Fair Representative Clustering

Author: Kumari, Jyoti

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 621.3 KUM

Acc. No.: T00840

Title: Generating X from the embedding of images and text

Author: Singh, Prajwal Kumar

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 621.3 SIN

Acc. No.: T00841

Title: Automated medical diagnosis using deep neural networks

Author: Basha, Shaik Mahaboob Jani

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 621.3 BAS

Acc. No.: T00842

Title: Siamese network performance gain in the face of data scarcity

Author: Podder, Utpal

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 621.3 POD

Acc. No.: T00843

Title: Uncertainty quantification using bayesian neural networks: application to plant disease detection and physics guided machine learning

Author: Vagadiya, Jenilkumar Virendra

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 621.3 VAG

Acc. No.: T00844

Title: Enhancing the performance of self-supervised models for seizure detection

Author: Das, Sudip

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2022

Call No.: 004 DAS

Acc. No.: T00980

Title: Disease detection using machine learning and deep learning approach

Author: Agrawal, Aarchi

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2022

Call No.: 006.31 AGR

Acc. No.: T00994

Title: HDR image reconstruction and low-dose dynamic CTP denoising

Author: Athulkumar R.

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2022

Call No.: 006.37 ATH

Acc. No.: T00995

Title: Reconstruction and segmentation using explicit and implicit neural representation

Author: Shanly, K. S. Ashin

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2022

Call No.: 004 SHA

Acc. No.: T00996

Title: Problems in computational social choice on restricted domains

Author: Sonar, Chinmay

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2022

Call No.: 004.03 SON

Acc. No.: T01011

Title: Implicit bias of gradient descent based optimization algorithms for underdetermined problems

Author: Gavini, Venkata Sai Kumar

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2023

Call No.: 006.31 GAV

Acc. No.: T01107

Title: SpiroActive: active learning for efficient data acquisition for spirometry

Author: Jain, Ankita Kumari

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2023

Call No.: 006.31 JAI

Acc. No.: T01115

Title: In-network distributed rate-limiters using programmable switches

Author: Nawab, Iram

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2023

Call No.: 004.2 NAW

Acc. No.: T01119

Title: Decoding media perception with Electroencephalography using deep learning

Author: Johri, Riddhi

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2023

Call No.: 006.31 JOH

Acc. No.: T01122

Title: Comparative information extraction from scientific papers

Author: Alam, Shoaib

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2023

Call No.: 006 ALA

Acc. No.: T01127

Title: On the computational complexity of malpractices in liquid democracy

Author: More, Yash Hiren

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024

Call No.: 003 MOR

Acc. No.: T01210

Title: Hierarchical lock usage fairness for mutual exclusion

Author: Patel, Anant

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024

Call No.: 005.43 PAT

Acc. No.: T01222

Title: Evaluating fast adaptability of neural networks for brain-computer interface

Author: Sharma, Anupam

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024

Call No.: 006.3 SHA

Acc. No.: T01223

Title: Sensing respiration and sleep apnea using thermal imaging in real world conditions

Author: Shrivastava, Ayush

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024

Call No.: 004 SHR

Acc. No.: T01226

Title: Design and evaluation of statistical language modeling for eye typing

Author: Hrushikesh, Etikikota

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024

Call No.: 003 HRU

Acc. No.: T01228

Title: AIoT-based construction worker safety and well-being using environmental sensors

Author: Siddam, Gangaram

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024

Call No.: 006.3 SID

Acc. No.: T01229

Title: Data curation for Indic language

Author: Lodwal, Hitesh

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024

Call No.: 025.84 LOD

Acc. No.: T01231

Title: Enhancing privacy in recommender systems: evaluating CUR and relative-error CUR matrix factorization under differential privacy constraints

Author: Gajananrao, Awachar Madhuri

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024

Call No.: 005.5 GAJ

Acc. No.: T01233

Title: Appearance-based Gaze interaction and interface for people with motor and speech impairment

Author: Salvi, Manish P.

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024

Call No.: 006.31 SAL

Acc. No.: T01234

Title: Active learning for Pneumonia detection using chest X-ray

Author: Sharma, Navneet

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024

Call No.: 006.31 SHA

Acc. No.: T01235

Title: Automatic speech recognition (ASR) using neural tangent kernels (NTK)

Author: Kumari, Pinki

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024

Call No.: 006.454 KUM

Acc. No.: T01237

Title: Learning neural radiance fields representation using codebooks

Author: Goel, Pooja

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024

Call No.: 006.32 GOE

Acc. No.: T01238

Title: Feature extraction from scientific documents

Author: Patidar, Ritesh

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024

Call No.: 006 PAT

Acc. No.: T01241

Title: Mining software bug fixes and SAT analysis: dataset creation and tool development for improved software quality assurance

Author: Avula, Sai Krishna

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024

Call No.: 005.1068 AVU

Acc. No.: T01243

Title: Neural inverse scattering for heterogeneous translucent objects

Author: Bhardwaj, Satyam

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024

Call No.: 006.32 BHA

Acc. No.: T01245

Title: MLOps on Kubernetes

Author: Gupta, Satyam

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024

Call No.: 006.31 GUP

Acc. No.: T01246

Title: Optimising SSVEP-based brain-computer interface for drone control environment

Author: Bepari, Shatarupa

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024

Call No.: 006.3 BEP

Acc. No.: T01247

Title: Differentially private k-means clustering using corset

Author: Mishra, Shivam

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024

Call No.: 004 MIS

Acc. No.: T01248

Title: PreTraining of mini LLMs on domain specific data

Author: Dosi, Siddhesh

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024

Call No.: 006.3 DOS

Acc. No.: T01249

Title: Subset selection for language modeling

Author: Yadav, Sujeet Kumar

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024

Call No.: 003 YAD

Acc. No.: T01252

Title: Large scale brick kiln detection and compliance monitoring from satellite imagery

Author: Jaiswal, Suraj

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024

Call No.: 005.1 JAI

Acc. No.: T01253

Title: Performance evaluation of DNS over different protocols

Author: Das, Prasuj

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024

Call No.: 004.6 DAS

Acc. No.: T01255

Title: From synthesis to discrimination: deep learning techniques for analyzing AI-generated SEM images

Author: Sah, Ashish Kumar

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024

Call No.: 006.31 SAH

Acc. No.: T01257

Title: Gaze prediction: using Mediapipe landmarks and machine learning techniques

Author: Sarma, Chailex

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024

Call No.: 006.3 SAR

Acc. No.: T01261

Title: Towards safe and secure networks with HTTP/3

Author: Sudhan S., Hari Hara

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024

Call No.: 004.6 SUD

Acc. No.: T01262

Title: Updating large language models
Author: Nandagopan D., Kowsik
Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024
Call No.: 006.3 NAN
Acc. No.: T01266

Title: On the role of multilinearity in the computation of polynomials
Author: Narayanan, Rohit
Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024
Call No.: 005.1 NAR
Acc. No.: T01275

Title: Point normals through adaptive polynomial degree estimation and implicit multi-scale feature aggregation
Author: Rushali R.
Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024
Call No.: 004.5 RUS
Acc. No.: T01276

Title: Development and curation of a comprehensive Nepali language dataset for NLP
Author: Thakur, Rakesh
Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024
Call No.: 006.35 THA
Acc. No.: T01398

Title: Efficient traffic detection in extreme low light conditions
Author: Saurave, Tanmay Mandal
Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025
Call No.: 004.9 SAU
Acc. No.: T01414

Title: Machine Learning approaches for Epilepsy detection
Author: Bhadra, Shreyase
Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025
Call No.: 006.31 BHA
Acc. No.: T01417

Title: PythonSaga: redefining the benchmark to evaluate code generating LLMs
Author: Yadav, Ankit
Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025
Call No.: 006.35 YAD
Acc. No.: T01418

Title: Computational Art and Pose: Solutions for 3D Packing, Scribble Art and Pose Lifting

Author: Debnath, Soumyaratna

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 006.6 DEB

Acc. No.: T01421

Title: Designing foundational AI models

Author: Thakur, Aamod Sunil

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 006.3 THA

Acc. No.: T01422

Title: How students fix errors in programming : analyzing debugging behaviors across academic levels

Author: Bharatkumar, Patel Alay

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 005.1 BHA

Acc. No.: T01428

Title: Accelerating container networking: high-performance packet processing with AF_XDP and DPDK

Author: Saxena, Anshika

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 004.6 SAX

Acc. No.: T01436

Title: Graph Attention Pooling(GAP) a fast approach for sparse graphs

Author: Rawat, Ashish

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 006.32 RAW

Acc. No.: T01441

Title: Paradigms in high-performance networking - an empirical analysis

Author: Santoshkumar, Modi Chirag

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 004.6 SAN

Acc. No.: T01447

Title: Evaluating pre-trained large language models on zero shot prompts for parallelization of source code

Author: Yadav, Devansh

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 005.14 YAD

Acc. No.: T01449

Title: Differentially private community detection via noisy modularity-based partitions

Author: Patel, Dhruv

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 005.82 PAT

Acc. No.: T01450

Title: LLM-Based toxicity detection in a low-resource language: Marathi

Author: Dhande, Eshwar Rajendra

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 006.35 DHA

Acc. No.: T01451

Title: Evaluating pre-trained large language models with prompts subjected to perturbations and human interactions

Author: Potta, Mukul Paras

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 006.32 POT

Acc. No.: T01465

Title: Lightweight multimodal techniques for improving Alt-Text generation in low-resource web environments

Author: Bhatia, Poornima

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 006.35 BHA

Acc. No.: T01471

Title: Towards secure and fast control flow attestation with integrity

Author: Choudhary, Pratyush

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 005.8 CHO

Acc. No.: T01473

Title: What do open LLMs know about air pollution in india? A zero-shot and bias evaluation

Author: Kumar, Prince

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 006.3 KUM

Acc. No.: T01475

Title: Gradient curvature synergy for implicit fairness optimization

Author: Patil, Rugved S M

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 006.3 PAT

Acc. No.: T01481

Title: X-Ray vision: a deep learning and grad-CAM powered web platform for chest disease diagnosis

Author: Verma, Sawan

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 006.31 VER

Acc. No.: T01484

Title: Exploration of vision language models for brick kilns detection from satellite imagery

Author: Dubey, Shataxi

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 006.37 DUB

Acc. No.: T01486

Title: DigitsOnTurbo: accelerating large integer arithmetic with parallel addition, subtraction, and
vedic-based multiplication using AVX512

Author: Das, Subhrajit

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 004.35 DAS

Acc. No.: T01500

Title: Design and evaluation of recurrent language models and predictive text entry systems for eye
typing

Author: Somkuwar, Tanmay

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 006.35 SOM

Acc. No.: T01504

Title: ML based resource optimizations for efficient 5G communication networks

Author: Gupta, Aman Kumar

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 004.36 GUP

Acc. No.: T01510

Title: Accessible eye-gaze estimation and user interface design for low-resource settings

Author: Shrestha, Rabina

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 004.01 SHR

Acc. No.: T01511

Title: Cloud-native deployment of VRF HVAC selection software: a DevOps approach for airCloud
select microservices

Author: Siddhartha, M

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 006.7 SID

Acc. No.: T01513

Title: GurukulAI: building a responsive AI system for Indian education system

Author: Narang, Isha

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 006.3 NAR

Acc. No.: T01525

Title: Latent GAN-diffusion for fast and scalable 3D point cloud upsampling

Author: Kumar, Preyum

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 006.3 KUM

Acc. No.: T01534

Earth Sciences (23)

Title: Impacts of land-use and land cover and climate change on water budget of Ganga basin

Author: Singh, Shivangi

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2018

Call No.: 363.73874 SIN

Acc. No.: T00378

Title: Sediment budgeting of the Narmada river basin as a tool for sustainable sediment mining and river management

Author: Shukla, Tanya

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2018

Call No.: 627.8 SHU

Acc. No.: T00381

Title: Studying sediment and pollution transport in Sabarmati river, India, using HEC-RAS

Author: Rex, Julianna

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 628.168 REX

Acc. No.: T00578

Title: Efficacy of green materials based permeable reactive barrier for in-situ groundwater remediation

Author: Thakur, Alok Kumar

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 628.168 THA

Acc. No.: T00662

Title: Understanding the erosion in the north-western Himalayas

Author: Vashistha, Anushka

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 555 VAS

Acc. No.: T00663

Title: Flume based analysis of pit migration in sand-bed river channel: implications towards sand mining in river channels

Author: Tripathi, Indra Mani

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 551.3 TRI

Acc. No.: T00664

Title: On the causes of tropical cyclone driven floods in India

Author: Rajeev, Akshay

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 363.3493 RAJ

Acc. No.: T00893

Title: Identifying lithology specific tracers for submarine groundwater discharge and evaluating associated metal flux along the southern coast of Gujarat

Author: Misra, Anant

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 339.410 MIS

Acc. No.: T00894

Title: Exploring climate and tectonic imprint on surface processes and landscape evolution in great Rann of Kutch

Author: Gogoi, Arindom

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 550.001 GOG

Acc. No.: T00895

Title: Active tectonic control on growth of the frontal fold-and-thrust belt in Jammu sector of the Western Himalaya

Author: Nath, Debashis

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 577.09545 NAT

Acc. No.: T00896

Title: Artificial neural network based ground motion model for significant duration calibrated on Japanese KIK-NET database

Author: Himanshu

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 616.4 HIM

Acc. No.: T00897

Title: Aggregation kinetics of black carbon nanoparticles in aquatic environment: implications of solution chemistry and humic acid

Author: Dhangar, Kiran Barasu

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 574.925 DHA

Acc. No.: T00898

Title: Investigation of the relationship between geomorphological indices and sensitivity analysis of hypsometry and its property to polynomial order in the Nahan salient

Author: Jain, Nitin

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 915.4960 JAI

Acc. No.: T00899

Title: Gully mapping and its control in the Sabarmati river and Mahi river basin

Author: Patni, Samrat

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 338.17521 PAT

Acc. No.: T00900

Title: Morphometric analysis of river basins in different climatic and geological settings

Author: Mishra, Subhashis

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 338.1752 MIS

Acc. No.: T00901

Title: Tectono-geomorphic imprints on landscape evolution in the himalayan interior

Author: Kalabhai, Makwana Gunjankumar

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2022

Call No.: 551.8 KAL

Acc. No.: T00981

Title: Mid to late holocene paleo-hydrological reconstruction over Indus Valley civilization area using TraCE-21ka simulations

Author: Rajeshbhai, Hiren Solanki

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2022

Call No.: 550 RAJ

Acc. No.: T00997

Title: Extended finite-fault simulation (GMSS2.0) of ground-motion: sensitivity analysis and optimization of seismological parameters

Author: Omkar

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2022

Call No.: 624.1762 OMK

Acc. No.: T01091

Title: Daily urban water supply forecasting for Bairagarh regions with machine learning algorithms

Author: Yadav, Girivendra Pratap

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2023

Call No.: 553.7 YAD

Acc. No.: T01099

Title: Geological insights into megathrust earthquake dynamics through ETAS modeling

Author: Bhamare, Dakshata

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 551.22 BHA

Acc. No.: T01444

Title: Network analysis of the geomorphic connectivity in the Narmada River basin, India

Author: Avinash, Gorakala

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 551.48 AVI

Acc. No.: T01453

Title: Exploring planetary interiors: Earth, Mars, and Kepler-452b

Author: Ghosh, Soumyadeep

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 551.54 GHO

Acc. No.: T01497

Title: Canopy Height Model (CHM) and vegetation density assessment utilizing UAV-based RGB and multispectral imaging: case study from Victoria Forest, Bhavnagar- Gujarat

Author: Sonu, Sumit Kumar

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 581.42 SON

Acc. No.: T01501

Electrical Engineering (233)

Title: Design of high resolution low power ADC

Author: Mohapatra, Satyajit

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2014

Call No.: 621.3815 MOH

Acc. No.: T00020

Title: Online health monitoring of the polymer electrolyte membrane fuel cell

Author: Laya

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2014

Call No.: 621.312429 LAY

Acc. No.: T00021

Title: Behavioral analysis of control room operator during plant operation using display interaction and eye gaze information for effective plant monitoring

Author: Sharma, Chandresh

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2014

Call No.: 621.381 SHA

Acc. No.: T00022

Title: Effect of device geometries on HCI and PBTI of gate first High-K metal gate NMOS transistors

Author: Jain, Sharad Kumar

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2014

Call No.: 621.3815284 JAI

Acc. No.: T00023

Title: Design and finite element analysis of micromachined piezoresistive polyimide nanocantilevers for surface stress sensing applications

Author: Chandnani, Ashita

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2014

Call No.: 621.3 CHA

Acc. No.: T00024

Title: Step towards developing a virtual reality based rehabilitation system for post- stroke hand movement disorder

Author: Bhattacharya, Sutapa

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2014

Call No.: 621.3 BHA

Acc. No.: T00025

Title: Analysis and modeling of stress over layer induced threshold voltage shift in High-K metal gate MOSFETs

Author: Parihar, Narendra

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2014

Call No.: 621.3815284 PAR

Acc. No.: T00026

Title: Evaluating the scaling effects on synchronizers and global interconnects on multicore SoCs

Author: Yeleswarapu, Bala Saranya

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2014

Call No.: 621.3815 YEL

Acc. No.: T00027

Title: Terahertz detection with CMOS simulation stuies

Author: Jain, Ritesh

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2014

Call No.: 621.381 JAI

Acc. No.: T00028

Title: Frequency driven alteration in cellular morphology during ultrasound pulsing in a microfluidic confinement

Author: Banerjee, Hritwick

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2014

Call No.: 621.3 BAN

Acc. No.: T00029

Title: Demand response algorithm incorporating electricity market prices for residential energy management

Author: Nair, Arun Gopalakrishnan

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2014

Call No.: 621.3042 NAI

Acc. No.: T00030

Title: Outage management system for power distribution network

Author: Kumar, Gourav

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2014

Call No.: 621.3 KUM

Acc. No.: T00031

Title: Dynamic modelling based reference current extraction technique for the control of shunt active power filter

Author: Mudali, Utkal Ranjan

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2014

Call No.: 621.3 MUD

Acc. No.: T00032

Title: Novel active anti- islanding protection scheme for grid- interactive roof- top solar PV systems

Author: Varier, Rohith

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2014

Call No.: 621.3 VAR

Acc. No.: T00033

Title: Power flow control of Hybrid AC- DC microgrid using master- slave control technique

Author: Kaushik, Rahul Anand

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2014

Call No.: 621.3 KAU

Acc. No.: T00034

Title: Finite control set MPC based distribution static compensator (DSTATCOM) for load compensation

Author: Sreejith R.

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2014

Call No.: 621.3 SRE

Acc. No.: T00035

Title: Least distance predictor model for short term load forecasting

Author: Jain, Sherry

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2014

Call No.: 621.3 JAI

Acc. No.: T00036

Title: Towards a wearable non- invasive low- cost device for measuring physiological indices: one touch doctor

Author: Solanki, Daval

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2015

Call No.: 621.3 SOL

Acc. No.: T00064

Title: Step towards developing an intelligent psychophysiology based computer assisted interactive system

Author: Yadav, Taruna

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2015

Call No.: 621.3 YAD

Acc. No.: T00065

Title: Design and implementation of efficient neuromorphic architectures

Author: Tunga, Chandra Sekhar

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2015

Call No.: 621.395 TUN

Acc. No.: T00069

Title: Study of variability and technology scaling on synchronizers and design of metastable-hard synchronizers

Author: Sinin, Fathima P

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2015

Call No.: 671.37 SIN

Acc. No.: T00075

Title: Design of complementary high-voltage device compatible with SCL's 0.18 um CMOS technology

Author: Bhoir, Mandar

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2015

Call No.: 621.38152 BHO

Acc. No.: T00077

Title: Experimental investigation of DC-link capacitor voltage balancing in neutral point clamped inverter

Author: Chand, Mohit

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2015

Call No.: 621.31921 CHA

Acc. No.: T00078

Title: Analysis of gate leakage current in high-k metal gate MOS transistors

Author: Ganeriwala, Mohit D

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2015

Call No.: 621.381522 GAN

Acc. No.: T00079

Title: Workfunction engineering for low power compact sequential circuit design in finfet technology

Author: Umap, Abhijit Sanjay

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2016

Call No.: 621.381 UMA

Acc. No.: T00130

Title: A study of pwm method for quasi z-source inverter

Author: Kiran, Aipathi Sai

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2016

Call No.: 620 KIR

Acc. No.: T00131

Title: Signal processing approaches for multimedia application

Author: Patil, Akshay Gadi

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2016

Call No.: 621.38412 PAT

Acc. No.: T00132

Title: Image/video analysis in computer vision

Author: Sonane, Bhoomika

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2016

Call No.: 006.4 SON

Acc. No.: T00133

Title: Simulation and experimental study of Bi-directional converter for hybrid micro grid application

Author: Gundabathini, Rakesh

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2016

Call No.: 621.313 GUN

Acc. No.: T00134

Title: Design of vertical PNP transistor with beta greater than 50 using SCL's 180nm CMOS technology

Author: Bhajipale, Jayshree S.

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2016

Call No.: 621.395 BHA

Acc. No.: T00135

Title: A sparse adaptive single processing approach towards acoustic paths

Author: mahewshwari, Jyoti

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2016

Call No.: 621.3742 MAH

Acc. No.: T00136

Title: Quantification of state estimator performance in presence of model plant mismatch for multivariate systems

Author: Kumar, Gaurav

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2016

Call No.: 510.8 KUM

Acc. No.: T00137

Title: Desine of 14-bit low power successive Approximation register analog to digital converter for biomedical application

Author: Biswakarma, Manish Kumar

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2016

Call No.: 621.3 VIS

Acc. No.: T00138

Title: A walking aid system for parkinson patient

Author: Vasantkumar, Patel Megh

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2016

Call No.: 616.833 VAS

Acc. No.: T00139

Title: Desingn of generalized spline nonlinear adaptive filters
Author: Jayantibhal, Rathod Milanbhai
Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2016
Call No.: 621.3815324 JAY
Acc. No.: T00140

Title: Adaptive filter design : An information theoretic learning approach
Author: Kurian, Nikhil Cherian
Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2016
Call No.: 629.23 KUR
Acc. No.: T00141

Title: Active vibration control techniques for smart cantilever structure
Author: Singh, Nikhil
Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2016
Call No.: 624.176 SIN
Acc. No.: T00142

Title: Design of an embedded system for a field deploable diode laser soectroscopy system
Author: Chakraborty, Priti
Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2016
Call No.: 621.3815 CHA
Acc. No.: T00143

Title: Impact of parameter variation on the performance of LDMOS device compatible with SCI's 5V 180nm CMOS technology
Author: Agrawal, Rachita
Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2016
Call No.: 621.3815 AGR
Acc. No.: T00144

Title: A comparative analysis of speed control methods for induction motor FED by Neutral point clamped inverter
Author: Sadhwanui, Rahul
Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2016
Call No.: 625.7 SAD
Acc. No.: T00145

Title: A step towards gaze-sensitive communication platform for the elderlynd disabled
Author: Jain, Ritika
Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2016
Call No.: 621.382 JAI
Acc. No.: T00146

Title: Design and implementation of 32x32 CMOS image sensor in SCL 180nm library

Author: Dang, Rohit Kumar

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2016

Call No.: 621.367 DAN

Acc. No.: T00147

Title: A low cost adaptive balance tanning platform for stroke patients

Author: Verma, Sunny

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2016

Call No.: 616.8 VER

Acc. No.: T00148

Title: Interfaces for ratiochronous network on chips

Author: Pujari, Omkar A.

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2016

Call No.: 621.395 PUJ

Acc. No.: T00149

Title: Guarded dual rail logic for soft error tolerant standard cell library cell library

Author: Kaur, Raminder

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2016

Call No.: 621.38173 KAU

Acc. No.: T00150

Title: Harmonics assessment of domestic and commercial loads and evaluation of control techniques for shunt active power filter

Author: Puchalapalli, Sambasivaiah

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2016

Call No.: 620 PUC

Acc. No.: T00183

Title: Analog circuit synthesis and application

Author: Venkat Ramakrishna, Saripalli

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2016

Call No.: 620.0042 SAR

Acc. No.: T00186

Title: Visual object perception problems in computer vision

Author: Vora, Aditya Narendrabhai

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2017

Call No.: 006.37 VOR

Acc. No.: T00223

Title: Plasmonic and all-dielectric metasurfaces based spectral filters

Author: Soni, Anurag

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2017

Call No.: 537.24 SON

Acc. No.: T00233

Title: Ultra low power 14 bit successive approximation register analog to digital converter for bio-medical applications

Author: Soni, Ashish

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2017

Call No.: 621.38159 SON

Acc. No.: T00234

Title: Signal processing for computational photography applications

Author: Deshpande, Ameya Dilip

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2017

Call No.: 621.367 DES

Acc. No.: T00235

Title: Design of a space grade KU * X band mixer using MMIC technology

Author: Nandlal , Akash Gupta

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2017

Call No.: 621.38132 NAN

Acc. No.: T00236

Title: CFA demosaicking and its applications in digital image forensics

Author: Verma, Hemant Kumar

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2017

Call No.: 621.382 VER

Acc. No.: T00237

Title: Distributed estimation in sparse heterogeneous networks

Author: Kumar, Kalyankar Shravan

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2017

Call No.: 004.6 KUM

Acc. No.: T00238

Title: Operation and control of switched reluctance generator in single-pulse mode

Author: Kushwaha, Amarkumar Ayodhyasingh

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2017

Call No.: 621.317 KUS

Acc. No.: T00239

Title: Intelligent power management system with fault detection capabilities for armored fighting vehicles

Author: Luxmi

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2017

Call No.: 621.3121 LUX

Acc. No.: T00240

Title: A real-time portable tunable diode laser spectroscopy system using the TMS320F28377D digital signal processor for gas sensing applications

Author: Sharma, Neetesh Kumar

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2017

Call No.: 621.366 SHA

Acc. No.: T00241

Title: Impact of process variations and technology scaling on synchronizer performance

Author: Kumari, Neha

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2017

Call No.: 621.3742 KUM

Acc. No.: T00242

Title: Soft error tolerant designs using guarded dual rail logic

Author: Shah, Hemal Gautamkumar

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2017

Call No.: 621.395 SHA

Acc. No.: T00243

Title: Alarm management system for a gas based combine cycle power plant

Author: Sompura, Jay

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2017

Call No.: 621.38928 SOM

Acc. No.: T00244

Title: Eye movement as a predictor of cognitive ability

Author: Patel, Valay Paresh

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2017

Call No.: 004.019 PAT

Acc. No.: T00259

Title: Object detection and depth map estimation using convolutional neural network

Author: Bhagwat, Ajinkya N

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2018

Call No.: 006.32 BHA

Acc. No.: T00303

Title: Framework for efficient information aggregation in smart grid

Author: Joshi, Amit

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2018

Call No.: 621.31 JOS

Acc. No.: T00305

Title: Algorithm for characterizing inductance profile and sensorless control of switched reluctance machine

Author: Jindal, Ashutosh

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2018

Call No.: 621.46 JIN

Acc. No.: T00308

Title: Impact assessment of distributed solar PV integration in low voltage unbalanced distribution network : a case study

Author: Singh, Balveer

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2018

Call No.: 621.47 SIN

Acc. No.: T00312

Title: Analysis of distribution network with solar PV and electric vehicle integration

Author: Rout, Biswajeet

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2018

Call No.: 621.47 ROU

Acc. No.: T00314

Title: Simulation and analysis of contact resistance in AlGaIn/GaN HEMT devices

Author: Kiran, Chakka Yaswanth Sai

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2018

Call No.: 621.381 KIR

Acc. No.: T00315

Title: No-reference quality assessment of tone-mapped image using convolutional neural networks

Author: Ravuri, Chandra Sekhar

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2018

Call No.: 006.32 RAV

Acc. No.: T00316

Title: Energy management of AC microgrid: deterministic and stochastic framework

Author: Prudhviraaj, Dhanapala

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2018

Call No.: 621.3 PRU

Acc. No.: T00318

Title: Comparative study of self heating effects in silicon nano-sheets transistor

Author: Chalia, Geetika

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2018

Call No.: 620.115 CHA

Acc. No.: T00319

Title: Spatio-temporal approach to fault detection and isolation using graph signal processing: application to transmission and distribution power networks

Author: Oza, Harsh

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2018

Call No.: 621.3822 OZA

Acc. No.: T00322

Title: Estimation of scene flow from optical flow for rigid body translations

Author: Tetali, Harsh Vardhan

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2018

Call No.: 621.3 TET

Acc. No.: T00323

Title: Design of radiation hardened memories and memory compiler

Author: Ishant

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2018

Call No.: 005.43 ISH

Acc. No.: T00324

Title: Algorithm architecture co-design of non-linear adaptive filters

Author: Jerry, Samuel R

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2018

Call No.: 621.3815 JER

Acc. No.: T00325

Title: Design of a data-glove assisted VR-based upper limb rehabilitation platform

Author: Kumar, Saurav

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2018

Call No.: 617.030113 KUM

Acc. No.: T00326

Title: Machine learning approach for diagnosis of incipient faults in electric motor

Author: Sai, M

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2018

Call No.: 621.462 SAI

Acc. No.: T00328

Title: Using rich models to distinguish photorealistic and photographic image

Author: Lamba, Mohit

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2018

Call No.: 621.367 LAM

Acc. No.: T00330

Title: Calibration of a 14 bit SAR ADC for biomedical applications

Author: Pandey, Namrata

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2018

Call No.: 621.39814 PAN

Acc. No.: T00331

Title: Framework development for automated crater detection from lunar images

Author: Khaturia, Preet

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2018

Call No.: 551.1 KHA

Acc. No.: T00338

Title: Compact light weight tunable diode laser spectroscopy system for air borne gas measurements

Author: Chawhan, Rohan Shuddhodhan

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2018

Call No.: 621.366 CHA

Acc. No.: T00347

Title: Hotspot detection in lithnographic patterns using machine learning techniques

Author: Dewar, Rohit

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2018

Call No.: 621.763 DEW

Acc. No.: T00348

Title: Stabilization of internal dynamics using time multiplexing of inversion and sliding mode control for high boost converter

Author: Prakash, Shiv

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2018

Call No.: 621.317 PRA

Acc. No.: T00357

Title: Single and double node upset hardened flip flop space applications

Author: Gupta, Shubhanshu

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2018

Call No.: 621.3 GUP

Acc. No.: T00359

Title: Adaptive droop control strategy using fuzzy logic in DC microgrid
Author: Dahle, Shweta
Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2018
Call No.: 621.31 DAH
Acc. No.: T00360

Title: Building of radiation hardened processor designs
Author: Gupta, Smriti
Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2018
Call No.: 621.4022 GUP
Acc. No.: T00361

Title: Novel control strategy for fault tolerant permanent magnet machines
Author: Sahu, Smruty Ranjan
Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2018
Call No.: 621.46 SAH
Acc. No.: T00362

Title: Simulation and analysis of Indian residential electricity consumption using agent-based models
Author: Dhar, Sohini
Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2018
Call No.: 696.0954 DHA
Acc. No.: T00363

Title: Comparative study of forecast models for very short-term solar photovoltaic power generation forecasting
Author: Kushwaha, Vishal
Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2018
Call No.: 621.47 KUS
Acc. No.: T00368

Title: Approximate neural networks on FPGA
Author: Hiremath, Vishwanath Vijaykumar
Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2018
Call No.: 621.395 HIR
Acc. No.: T00369

Title: Robust non-intrusive appliance consumption identification using multi-scale pattern recognition
Author: Bharatbhai, Patel Nikita
Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2018
Call No.: 621.3 BHA
Acc. No.: T00403

Title: Configurable approximate circuits for low power FPGA based applications

Author: Tomar, Arun Singh

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2019

Call No.: 621.3 TOM

Acc. No.: T00415

Title: Lunar craters: automatic detection using CNN and morphological analysis

Author: Haridas, Athira

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2019

Call No.: 621.3 HAR

Acc. No.: T00419

Title: High performance radiation hardened random access and content addressable memory designs

Author: Abhishek, Barma

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2019

Call No.: 660.2982 ABH

Acc. No.: T00421

Title: Building energy efficient radiation hardened memories and memory subsystem

Author: Lavania, Mili

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2019

Call No.: 621.3 LAV

Acc. No.: T00438

Title: Fault management scheme for DC microgrid

Author: Dahiwale, Payal Vyankat

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2019

Call No.: 621.392 DAH

Acc. No.: T00443

Title: Forensics for compressed images: detecting double jpeg compression with same quantization matrix

Author: Pradhan, Prakhar

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2019

Call No.: 621.3 PRA

Acc. No.: T00448

Title: Polynomial sparse adaptive filtering

Author: Priyanka

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2019

Call No.: 621.3 PRI

Acc. No.: T00452

Title: Generation of HRD video using consumer cameras

Author: Preethi, S.

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2019

Call No.: 621.3 PRE

Acc. No.: T00461

Title: Optimal operation of grid-tied solar PV and battery energy storage system : case study

Author: Suthar, Sachinkumar Babubhai

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2019

Call No.: 621.3 SUT

Acc. No.: T00462

Title: Charge and capacitance modeling of III-V double gate field effect transistors

Author: Chandran, Sarath G.M.

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2019

Call No.: 621.3 CHA

Acc. No.: T00465

Title: Fast features extraction using superpixels for image segmentation

Author: Verma, Shashikant

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2019

Call No.: 621.3 VER

Acc. No.: T00468

Title: BLDC motor drive for electrical vehicle

Author: Tiwari, Shivam

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2019

Call No.: 621.3 TIW

Acc. No.: T00470

Title: Wearable device for Gait

Author: Bodempudi, Vineetha

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2019

Call No.: 621.3 BOD

Acc. No.: T00480

Title: Redundant ADC design and mismatch compensation with calibration

Author: Yadukrishnan, M

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2019

Call No.: 621.3 YAD

Acc. No.: T00482

Title: Approach towards building energy efficient architecture for neural networks

Author: Devnath, Joydeep Kumar

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2019

Call No.: 621.3 DEV

Acc. No.: T00492

Title: Single layer nonlinear filters for active noise control

Author: Deb, Trisrota

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2019

Call No.: 621.3 DEB

Acc. No.: T00501

Title: Solar PV powered irrigation pump with optimum power transfer

Author: Sharma, Suruchi

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2019

Call No.: 621.6 SHA

Acc. No.: T00502

Title: Navigation and control of mobile robots using overhead visual odometry

Author: Ucheniya, Ajay Kumar

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 621.3 UCH

Acc. No.: T00639

Title: 3D geometry processing for point cloud registration and region filling

Author: Kumar, Ashish

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 621.3 KUM

Acc. No.: T00640

Title: Design and analysis of deep neural networks for image synthesis, relighting, and small object detection

Author: Tiwari, Ashish

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 621.3 TIW

Acc. No.: T00641

Title: Wind noise reduction in hearables: a data driven approach

Author: Singh, Deepanshu

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 621.3897 SIN

Acc. No.: T00642

Title: Application-centric efficient SRAM/CAM/TCAM memory design

Author: Datta, Diptesh

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 621.3 DAT

Acc. No.: T00643

Title: Robust learning strategies for adaptive room equalization

Author: Kumar, Krishna

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 621.3 KUM

Acc. No.: T00644

Title: Source camera identification for thermal images using photo response non-uniformity (PRNU)

Author: Bhadani, Neha

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 621.3 BHA

Acc. No.: T00645

Title: Investigating the analog performace of FinFETs in sub-10nm Wfin regime by analyzing the drain saturation voltage (VDS,SAT)

Author: Jain, Shubham

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 621.3746 JAI

Acc. No.: T00646

Title: Energy-efficient sense amplifier designs using different replica circuits

Author: Maurya, Surendra Kumar

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 621.3815 MAU

Acc. No.: T00647

Title: Crater classification and detection using machine learning based approaches

Author: Prasad, Vishal Ranjan

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 621.3 PRA

Acc. No.: T00648

Title: Design of memory compiler for embedded memories

Author: Tiwari, Gyanendra K

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 621.3 TIW

Acc. No.: T00649

Title: Framework for synchronous to asynchronous design conversion

Author: Sah, Jitesh

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 621.3 SAH

Acc. No.: T00650

Title: Design of LDO for low power biomedical applications

Author: Pothal, Rakesh Kumar

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 621.3 POT

Acc. No.: T00651

Title: 3D shape completion using variational inference and continuous normalizing flow based approach

Author: Garg, Shubham

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 621.3822 GAR

Acc. No.: T00652

Title: Development and validation of compact models for LDMOS transistor with channel doping gradient

Author: Patil, Shubham

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 621.3 PAT

Acc. No.: T00653

Title: Peer to peer energy trading platform: hardware and software integration

Author: Chauhan, Anandsingh P.

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 621.3 CHA

Acc. No.: T00654

Title: Co-optimizing energy and quality using approximate designs and techniques

Author: Nandi, Ankita

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 621.38 NAN

Acc. No.: T00655

Title: Parametric analysis based identification of yield detractor patterns from ULSI layouts

Author: Nath, Biplob

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 621.3 NAT

Acc. No.: T00656

Title: Intelligent power management system (IPMS) and health monitoring framework for electrical loads in armored fighting vehicles

Author: Agarwal, Deepesh

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 621.31 AGA

Acc. No.: T00657

Title: Modular induction stove design for Indian cookware

Author: Dadsena, Kaushal

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 621.3 DAD

Acc. No.: T00658

Title: Design of robust and low power signal processing circuit for CCD image sensor

Author: Dewangan, Piyush

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 621.3 DEW

Acc. No.: T00659

Title: Design and optimization of high voltage (HV) drain extended FinFET transistors for analog SoC applications

Author: Pal, Priyanjana

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 621.3 PAL

Acc. No.: T00660

Title: Enhanced regenerative braking for electric vehicles using ultracapacitor

Author: Agrawal, Roshni

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 621.3 AGR

Acc. No.: T00661

Title: Design of portable, individualized audio, visual and tactile cueing modules

Author: Bhongade, Amit

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 621.3 BHO

Acc. No.: T00845

Title: Process induced threshold voltage variability in Ultra-Thin Body and Buried Oxide Fully Depleted Silicon on Insulator (UTBB FDSOI) transistors

Author: Verma, Ankit Kumar

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 621.3 VER

Acc. No.: T00846

Title: Understanding handwriting performance with a computerized pressure-tablet based dot-guided spiral drawing task platform

Author: Khandelwal, Kumar Bhanu

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 621.3 KHA

Acc. No.: T00847

Title: Deep learning assisted accelerated analysis of interconnects for high performance ICs

Author: Sujatha, J

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 621.3 SUJ

Acc. No.: T00848

Title: Hyperbolic secant robust sparse adaptive filters

Author: Kumar, Sonu

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 621.3 KUM

Acc. No.: T00849

Title: Study of optimally located EV charging stations for frequency control service in distribution network

Author: Hasan, Syed Nafiz

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 621.3 HAS

Acc. No.: T00850

Title: Phasor data correction and transmission system state estimation under spoofing attacks

Author: Tharveen, Aabila

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 621.3 THA

Acc. No.: T00851

Title: Numerical analysis of quantum effects on advanced NsFET

Author: Dubey, Abhilash

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 621.3 DUB

Acc. No.: T00852

Title: Automation testing and traffic sign classification with modified residual networks

Author: Singh, Abhishek Kumar

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 653.17 SIN

Acc. No.: T00853

Title: Conditional generative adversarial networks for the synthesis of microscopic images

Author: Rakshitha, Ailneni

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 621.381 RAK

Acc. No.: T00854

Title: Design of energy efficient and radiation tolerant content addressable memories

Author: Kumar, Anoop

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 654.145 KUM

Acc. No.: T00855

Title: Evaluation of ultrasound h-scan imaging on tissue-mimicking phantoms

Author: Yadav, Anushka

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 670.257 YAD

Acc. No.: T00856

Title: Transformer winding deformation analysis using SFRA

Author: Singh, Aparna

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 621.741 SIN

Acc. No.: T00857

Title: System-level analysis of dual node upset tolerant flip-flops

Author: Agarwal, Ayush

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 621.3002 AGA

Acc. No.: T00858

Title: Approximation techniques for image processing and low power deep neural networks

Author: Tej, Bachu Varun

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 629.732 TEJ

Acc. No.: T00859

Title: Acoustic characterization and imaging of a protein-shelled ultrasound contrast agent

Author: Suresh, Boyapati

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 621.96341 SUR

Acc. No.: T00860

Title: Virtual reality based exergaming platform for quantifying the dexterity and range of motion of upper limb

Author: Rajput, Gajendra Singh

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 579.6598 RAJ

Acc. No.: T00861

Title: Densely connected network architectures and smart sampling techniques for nanoscale design structures

Author: Tandan, Harshul

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 627.5639 TAN

Acc. No.: T00862

Title: Linear electric motors for low-speed low-power applications

Author: Shah, Henil

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 621.365 SHA

Acc. No.: T00863

Title: Blockchain-based network aware peer-to-peer energy trading framework

Author: Brijkumar, Jain Jainendra

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 621.301 BRI

Acc. No.: T00864

Title: Deep neural networks for single image light field synthesis and polyp segmentation from endoscopy images

Author: Gudiboina, Karthik Kumar

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 621.3 GUD

Acc. No.: T00865

Title: A fiber bragg grating-based optical probe to detect MHz-frequency ultrasound

Author: Jajoria, Kuldeep

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 657.38710 JAJ

Acc. No.: T00866

Title: Compact model of LDMOS transistors at low temperature

Author: Kuldip, Shah Mansi

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 687.910247 KUL

Acc. No.: T00867

Title: Robust & sparsity aware distributed estimation for wireless sensor networks

Author: Nautiyal, Mayank

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 362.10 NAU

Acc. No.: T00868

Title: Robust 6T SRAM based in-memory computing

Author: Puri, Naveen

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 571.2658 PUR

Acc. No.: T00869

Title: Single LDR to HDR image translation using conditional GAN

Author: Raipurkar, Prarabdh

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 642.3621 RAI

Acc. No.: T00870

Title: Framework to address practical challenges of active learning methodologies

Author: Srivastava, Pravesh

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 621.6845 SRI

Acc. No.: T00871

Title: Range optimization for electric vehicle by exploring performance limits

Author: Kukadiya, Purna

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 629.2502 KUK

Acc. No.: T00872

Title: Design of a clock driver circuit for CCDs using indigenous LDMOS transistors

Author: Dhote, Pushpak E.

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 651.8791 DHO

Acc. No.: T00873

Title: In-memory computing using embedded DRAM's

Author: Borkar, Rajat

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 369.714 BOR

Acc. No.: T00874

Title: Frameworks for implementing neural network inference engines

Author: Kumar, Rajesh

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 621.3701 KUM

Acc. No.: T00875

Title: Sparsity aware robust kernel adaptive filters for audio signal processing

Author: Pandey, Rajlaxmi

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 621.3201547 PAN

Acc. No.: T00876

Title: Device design of indigenous low cost single, double-poly silicon bipolar transistors for Analog and RF applications

Author: Katiyar, Ravins

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 621.3017 KAT

Acc. No.: T00877

Title: Robust and high-performance in-memory computing using dual port DICE SRAM

Author: Dhandamudi, Roshni

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 621.37268 DHA

Acc. No.: T00878

Title: Crater detection and classification using unsupervised and supervised approaches

Author: Jain, Sajal Kumar

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 621.3741 JAI

Acc. No.: T00879

Title: Energy management framework in active distribution network

Author: Singh, Satish Kumar

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 333.7914252 SIN

Acc. No.: T00880

Title: Design and analysis of DD coupler with LCC compensation for wireless power transfer

Author: Singhal, Shivani

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 621.413 SIN

Acc. No.: T00881

Title: Deep learning approach for image motion deblurring and dense crowd surveillance

Author: Gunjal, Shrihari

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 621.712 GUN

Acc. No.: T00882

Title: Design and analysis of fast charging technology for electric vehicle batteries

Author: Verma, Siddharth

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 629.2293 VER

Acc. No.: T00883

Title: Synchronous to asynchronous conversion for non-linear pipelined processor

Author: Shah, Smit

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 627.80412 SHA

Acc. No.: T00884

Title: Radiation hardened memory cell design and verification of memory macros at RTL level

Author: Agarwal, Tushar

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 621.7124 AGA

Acc. No.: T00885

Title: GAN based approaches for polyp segmentation and human face age progression

Author: Vasa, Vamsi Krishna

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 133.5 VAS

Acc. No.: T00886

Title: Development of a scalable substrate current model for LDMOS transistor

Author: Dan, Virender

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 621.3815 DAN

Acc. No.: T00887

Title: Portable and wearable personality evaluator

Author: Singh, Vivek

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 621.841 SIN

Acc. No.: T00888

Title: Energy management platform for cooling system: case studies

Author: Kumar, Devesh

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 697.9311 KUM

Acc. No.: T00889

Title: Shunt active filters with active current reference derived from (P - Q) and (Id - Iq) methods

Author: Aditya, Pandrangi

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 621.31781 ADI

Acc. No.: T00890

Title: Multiobjective optimization based automated demand response model in smart distribution grid

Author: Sharma, Priyanka Vinodkumar

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 621.319 SHA

Acc. No.: T00891

Title: Effect of channel dimensions and spacer material on drain saturation voltage (VDS,SAT) of sub-10nm Wf in regime FinFETs

Author: Sharma, Pratik

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 621.3041 SHA

Acc. No.: T00892

Title: Input data order dependency of approximate multipliers in error resilient applications

Author: Pidagannavar, Mallikarjun Y.

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2022

Call No.: 621.381 PID

Acc. No.: T00972

Title: Deep neural networks for crater detection on lunar surface

Author: Prateek, K.

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2022

Call No.: 006.32 PRA

Acc. No.: T00973

Title: SRAM based in memory computing for energy efficient hardware for AI

Author: Biswas, Aditya

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2022

Call No.: 621.39 BIS

Acc. No.: T00998

Title: Multiclass crater classification using fully convolutional residual dense network

Author: Singh, Amrita

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2022

Call No.: 621.3 SIN

Acc. No.: T00999

Title: Robust nonlinear self interference cancellation in in-brand full duplex communication system

Author: Sharma, Animesh

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2022

Call No.: 621.382 SHA

Acc. No.: T01000

Title: Comparative study of BLDC motor speed control techniques

Author: Reshi, Javaid Ahmad

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2022

Call No.: 670 RES

Acc. No.: T01001

Title: Design and analysis of tubular linear PMSM for low-speed low-power application

Author: Singh, Kaustuv

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2022

Call No.: 621.34 SIN

Acc. No.: T01002

Title: A novel power converter for combined on-board EV charging and powertrain

Author: Dutta, Sanjit

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2022

Call No.: 621.38 DUT

Acc. No.: T01010

Title: Super resolution of lunar satellite images on computationally resource-limited platforms

Author: Prateek, Chennuri

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 629.46 PRA

Acc. No.: T01012

Title: Battery management system for electric vehicles

Author: Kumar, Rahul

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2023

Call No.: 621.31242 KUM

Acc. No.: T01102

Title: IMC-SIM: an automated tool to benchmark different In-memory computing architectures

Author: Mittapalli, Yaswanth Ram

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2023

Call No.: 621.3 MIT

Acc. No.: T01108

Title: Secure and energy-efficient hardware design for AI on edge devices

Author: Pradhan, Alok

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2023

Call No.: 621.3 PRA

Acc. No.: T01112

Title: Stability analysis of monolayer TMD FET, Si FinFET, and Si NSFET based 6T SRAM for N5 and beyond

Author: Srivastava, Ayush

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2023

Call No.: 621.3 SRI

Acc. No.: T01116

Title: Low frequency on-chip sinusoidal oscillator for cryocooler applications

Author: Sawai, Sakshi

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2023

Call No.: 621.381533 SAW

Acc. No.: T01124

Title: Understanding the neural signature of post stroke patients, under a posner cueing paradigm, using a virtual reality based dart throwing task

Author: Patnaik, Siddesh

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2023

Call No.: 621.3 PAT

Acc. No.: T01128

Title: Optimal power procurement strategy for electricity distribution licensees: a case study

Author: Omar, Yash Vardhan

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2023

Call No.: 621.319 OMA

Acc. No.: T01131

Title: Sparse array implementation of synthetic aperture focusing technique with pth-root beamforming for non-destructive testing applications

Author: Das, Shaswata

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024

Call No.: 621.3848 DAS

Acc. No.: T01213

Title: Adaptive estimation strategies for graph signal processing
Author: Dalbehera, Pupul Kumar
Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024
Call No.: 621.3822 DAL
Acc. No.: T01216

Title: Field oriented control of axial flux PM motor for sutomotive traction applications
Author: Jha, Aryan Mani
Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024
Call No.: 621.46 JHA
Acc. No.: T01224

Title: Impact assessment of false data injection attack on P2P trading enabled power distribution network
Author: Devangi
Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024
Call No.: 621.382 DEV
Acc. No.: T01227

Title: Design of multiband structured subband M-estimate adaptive feedback cancellers for hearing aids
Author: Vimal, Gyanendra
Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024
Call No.: 621.382 VIM
Acc. No.: T01230

Title: Investigation of continuous and discontinuous PWM techniques in voltage source inverter
Author: Lahu, Sartape Arti
Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024
Call No.: 621.3815 LAH
Acc. No.: T01244

Title: Analysis of different data converters for analog In-memory computing architectures
Author: Lakhera, Ambika
Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024
Call No.: 621.38 LAK
Acc. No.: T01258

Title: A robust adaptive learning approach towards distributed estimation
Author: Shrivastava, Arpit Kumar
Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024
Call No.: 621.3822 SHR
Acc. No.: T01259

Title: Design of high gain analog comparator for cryocooler application
Author: Pathak, Ashiwini
Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024
Call No.: 621.381533 PAT
Acc. No.: T01260

Title: Unveiling human movement in real-time: pose and force estimation
Author: Kumar, Karan
Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024
Call No.: 006.4 KUM
Acc. No.: T01264

Title: Analysis of mini-bands formation in InAs/Ga(As)Sb superlattice for MWIR detection
Author: Yadav, Megha
Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024
Call No.: 621.37 YAD
Acc. No.: T01267

Title: Design, control and operation of universal power converter: interfacing renewable energy for transportation electrification
Author: Ramanathan, N. S.
Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024
Call No.: 621.317 RAM
Acc. No.: T01269

Title: Design of physically unclonable functions and random number generators using SRAM based In memory computing architectures
Author: Pandey, Pradyumna
Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024
Call No.: 621.3 PAN
Acc. No.: T01272

Title: Optimizing floating point operations in in-memory compute architectures using approximate computing
Author: Sharma, Prateek
Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024
Call No.: 621.38 SHA
Acc. No.: T01273

Title: Design of 110 GHz voltage controlled oscillator (VCO) for 6G wireless communication systems
Author: Singh, Sukhbir
Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024
Call No.: 621.384 SIN
Acc. No.: T01285

Title: Techno-economic analysis of EV charging station integrated with solar PV and Battery Energy storage systems

Author: Kumar Sah Teli, Bishal

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024

Call No.: 621.042 KUM

Acc. No.: T01400

Title: Design & development of punch-through TVS diodes for low voltage system level ESD protection

Author: Lithikar, Praful

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024

Call No.: 621.381 LIT

Acc. No.: T01404

Title: Sensitivity analysis of step field plate LDMOS transistors

Author: Choukuse, Purva

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024

Call No.: 621.381 CHO

Acc. No.: T01405

Title: On-chip low-frequency sinusoidal oscillator for cryocooler applications

Author: Yadav, Vivek

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024

Call No.: 621.3 YAD

Acc. No.: T01408

Title: Towards Net-Zero: Neighborhood Microgrid Control With Reliable Energy Storage

Author: Neela, Ambika Biswas

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 621.3 NEE

Acc. No.: T01412

Title: Chip design for digital CIM architectures and efficient realization of 2D-DWT on Versal AI engine

Author: Patel, Aashrey

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 621.39 PAT

Acc. No.: T01423

Title: Towards realistic evaluation of active noise cancellation in audio devices: experimental setups for headphones and hearing aids

Author: Hazarika, Bhaskar Jyoti

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 621.3 HAZ

Acc. No.: T01445

Title: Optimal control of induction motor for electric vehicle applications

Author: Patel, Devansh

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 629.2 PAT

Acc. No.: T01448

Title: Spiking neural network circuit development using resistive memory arrays

Author: Singh, Harshvardhan

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 621.3 SIN

Acc. No.: T01455

Title: Closed loop torque control of BLDC motor

Author: Rana, Kshitiz Singh

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 629.8 RAN

Acc. No.: T01460

Title: Predictive TCAD modeling for customized ESD protection in CMOS 65nm technology having low clamping voltage for 10V-neurostimulator

Author: Maheshwari, Navin

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 621.38 MAH

Acc. No.: T01466

Title: Fundamental limits on neural network density by memory parameters and rram variability with temperature

Author: Solanki, Nirmal

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 621.3 SOL

Acc. No.: T01467

Title: Design of a digitized Indian aphasia battery (dIAB) and investigating the performance of post-stroke Individuals and healthy Individuals

Author: Kethwalia, Shipra

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 621.382 KET

Acc. No.: T01487

Title: Exploring the invertibility of neural networks for multimodal learning

Author: Kshirsagar, Shubham Ravindra

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 621.38 KSH

Acc. No.: T01492

Title: ESD protection/clamping circuits for brain-machine interface

Author: Das, Tanay

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 621.381 DAS

Acc. No.: T01503

Title: Design validation of BLDC motor and its energy efficient control

Author: Awadhiya, Yogesh

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 621.46 AWA

Acc. No.: T01509

Title: Design of a comparator using a high-gain rail-to-rail operational amplifier

Author: Shaikh, Faizan

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 621 SHA

Acc. No.: T01512

Title: Wireless power transfer

Author: Vala, Kiritkumar H

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 621.3 VAL

Acc. No.: T01514

Title: Design and analysis of low precision analog to digital converters for analog compute in memory

Author: Afrin A S

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 621.38 AFR

Acc. No.: T01516

Title: Control of phase wound induction generator over wide speed range

Author: Amulya M S

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 621.3 AMU

Acc. No.: T01518

Title: Power maximization and fault diagnosis in solar photovoltaic energy conversion system

Author: Chitranshu, Kanuj

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 621.3 CHI

Acc. No.: T01526

Title: Optical Modeling and GPU acceleration in computational lithography

Author: Prasath K, Narendira

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 621.38 PRA

Acc. No.: T01531

Title: Digital compute in memory chip design and validation

Author: Kumar, Pawan

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 621.3 KUM

Acc. No.: T01532

Title: Design of 61 GHz phase locked loop in 65 nm CMOS technology for 6G wireless communication systems

Author: Kumari, Sapna

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 621.38 KUM

Acc. No.: T01536

Materials Engineering(94)

Title: Processing and characterization of PCL- HA composites for medical application

Author: Rooprai, Navjodh Singh

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2014

Call No.: 610.28 ROO

Acc. No.: T00044

Title: Mathematical modelling of heat transfer, fluid flow and solidification in melt spinning process

Author: Mishra, Rohit

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2014

Call No.: 621.4022 MIS

Acc. No.: T00045

Title: Evaluation of forming limit diagram of aluminium alloy 6061-T6 at ambient temperature

Author: Kumar, Manoj

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2014

Call No.: 620.11 KUM

Acc. No.: T00046

Title: Formability characterization of Al6014 and DP600 alloys considering the effects of non linear strain paths, temperature and bending

Author: Saxena, Krishna Kumar

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2015

Call No.: 620.11 SAX

Acc. No.: T00060

Title: Thermodynamics of ultra-thin oxide over growth of binary Al-based alloys

Author: Ajmera, Darshan

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2015

Call No.: 620.11 AJM

Acc. No.: T00062

Title: FEM and experimental evaluation of J-integral for multi-phased materials

Author: Sarmah, Abhishek

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2015

Call No.: 620.1126 SAR

Acc. No.: T00068

Title: New tool design for friction stir welding of polymer

Author: Banjare,Pragya Nandan

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2015

Call No.: 668.9 BAN

Acc. No.: T00080

Title: Rheological studies of coal fly-Ash slurries

Author: Prasad, Vighnesh

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2015

Call No.: 621.4023 PRA

Acc. No.: T00086

Title: Comparative study of fatigue crack growth rate of SS 304H Cu for two different heats

Author: Desai, Bhupatrai Umang

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2015

Call No.: 620.1123 DES

Acc. No.: T00087

Title: Evaluation of Hoop direction tensile properties of 9cr-ODS and T91 steel nuclear fuel clad tubes using ring tensile test

Author: Azad, Abdur Rahman Al

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2015

Call No.: 621.48 AZD

Acc. No.: T00088

Title: Improvement of overall equipment effectiveness (OEE) of aluminium foil rolling mill

Author: Kumar, Deendayal

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2015

Call No.: 673.72232 KUM

Acc. No.: T00093

Title: Controlling the microstructural aspects of AA2219 aluminium based alloy thorough hot, large strain warm and cryogenic deformation

Author: Anjan, Sarkar Aditya

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2016

Call No.: 620 ANJ

Acc. No.: T00125

Title: Heat transfer and material flow modeling of friction stir of dissimilar:Al 6061-AZ31

Author: Singh,Amit Kumar

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2016

Call No.: 621.4022 SIN

Acc. No.: T00126

Title: Study on microstructural aspect of 6105 and 6463 aluminium based alloys with variation of composition and soaking time

Author: Das, Ipsita Madhu Mita

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2016

Call No.: 669.95 DAS

Acc. No.: T00127

Title: Design and manufacturing of 6-axis stewart manipulator for extrudable material deposit

Author: Kumar, Amit

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2016

Call No.: 620.0042 KUM

Acc. No.: T00128

Title: Reactivity of nanoparticle: agglomeration study in selected media

Author: Negi, Seema

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2016

Call No.: 620.5 NEG

Acc. No.: T00129

Title: Heat transfer and fluid flow modelling of conduction mode CuOF-316L SS dissimilar laser welding

Author: Naskar, Niladri

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2017

Call No.: 621.366 NAS

Acc. No.: T00221

Title: Fe₃O₄, ZnO nanoparticles and ZnO- Fe₃O₄ based nanocomposites for waste water treatment: an adsorptive photocatalytic based approach

Author: Goyal, Prateek

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2017

Call No.: 628.164 GOY

Acc. No.: T00245

Title: A reciprocal lattice model to study the crystallography of epitaxial films

Author: Behera, Rakesh

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2017

Call No.: 548.85 BEH

Acc. No.: T00246

Title: Effect of boron addition in modulating the optoelectronic properties of undoped and Al-doped ZnO thin films

Author: Singh, Ajay

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2018

Call No.: 537.6226 SIN

Acc. No.: T00302

Title: Effect of tool shoulder diameter on the friction stir welding of AA 5083-Cu ETP and AA 6061-Cu ETP

Author: Rout, Arpan

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2018

Call No.: 671.52 ROU

Acc. No.: T00307

Title: Effect of tool rotation speed and shoulder diameter on mechanical and micro structural properties of molybdenum reinforced surface composite

Author: Kumar, Ashutosh

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2018

Call No.: 620.1183 KUM

Acc. No.: T00309

Title: Friction stir welding of additive manufactured Ti-6Al-4V alloy sheets: mechanical and microstructure characterization

Author: Kumar, Bhoopendra

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2018

Call No.: 671.52 KUM

Acc. No.: T00313

Title: Mechanical behavior and microstructural evolution during friction stir welding of similar and dissimilar Al5083-H111 and Al6063-T4 alloys

Author: Kumar, Nitish

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2018

Call No.: 671.52 KUM

Acc. No.: T00334

Title: Material force approach for tire durability analysis

Author: Singh, Param Punj

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2018

Call No.: 620.11 SIN

Acc. No.: T00335

Title: Effect of oxygen content in seed layer on microstructure and optoelectronic properties of NB-doped and undoped anatase TiO₂ thin films

Author: Rawat, Priyanka

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2018

Call No.: 621.3028 RAW

Acc. No.: T00340

Title: Superhydrophobic nanocomposite coating for self cleaning surfaces

Author: Srivastava, Rajat

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2018

Call No.: 668.1 SRI

Acc. No.: T00342

Title: Electrochemical reduction of CO₂ by using La₂CuO₄ as an electrode material

Author: Singh, Rana Pratap

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2018

Call No.: 541.37 SIN

Acc. No.: T00344

Title: Fabrication near U V transparent conductor by bandgap engineering: effect of Mg addition on the undoped and Al-doped ZnO thin films

Author: Dhawan, Rishi

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2018

Call No.: 537.6226 DHA

Acc. No.: T00346

Title: Characterisation of selectively laser melted dissimilar alloys for remanufacturing applications: Inconel 625 over cast iron

Author: Sebastian, Roshan

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2018

Call No.: 621.366 SEB

Acc. No.: T00350

Title: Broadband unidirectional scattering and improved refractive index sensitivity in all-dielectric core-shell nanoantennae

Author: Kulkarni, Sarang Anant

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2018

Call No.: 681.2 KUL

Acc. No.: T00355

Title: Florine-free poly(methyl methacrylate) based superhydrophobic coating for biomedical application

Author: Naik, Shashank B S

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2018

Call No.: 541.33 NAI

Acc. No.: T00356

Title: Effect of homogenization of centerline segregation of strip cast aluminium alloy AA8011

Author: Patel, Sooraj

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2018

Call No.: 620.17 PAT

Acc. No.: T00364

Title: Hot deformation of 18%Ni maraging steels: analysis of stress-strain curves and microstructural evolution

Author: Ansari, Syed S

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2018

Call No.: 620.11 ANS

Acc. No.: T00366

Title: Effect of in-process heat sink on distortion and residual stresses during GTAW of thin sheets

Author: Anand, Vipul

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2018

Call No.: 671.52 ANA

Acc. No.: T00367

Title: Evaluation of the effect of antibacterial surface modification on the mechanical properties of SS 316L

Author: Chaitanya, Peddiraju V S Vivek

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2018

Call No.: 610.28 CHA

Acc. No.: T00370

Title: Fabrication of porous metal structure through vapor phase dealloying

Author: Singh, Brajesh

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2018

Call No.: 620.381531 SIN

Acc. No.: T00385

Title: Electronic structure and defect state calculations for undoped and (Nb, Ta)-doped anatase using density functional theory

Author: Raghav, Abhishek

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2019

Call No.: 620.11 RAG

Acc. No.: T00408

Title: Fabrication, characterization and particle distribution analysis of al 1050-b4c friction stir surface composite

Author: Gumaste, Anurag Krishnakedar

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2019

Call No.: 620.11 GUM

Acc. No.: T00413

Title: Microstructural evolution in Mg-Sn alloys during solidification and homogenization treatment: An experimental and modeling study

Author: Dev, Arushi

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2019

Call No.: 620.11 DEV

Acc. No.: T00416

Title: Corrosion behavior of friction stir welded 7075-2014 dissimilar joint

Author: Tripathy, Bikash

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2019

Call No.: 620.82 TRI

Acc. No.: T00424

Title: Technological process for production of nitrided vanadium

Author: Sahoo, Chandan Kumar

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2019

Call No.: 620.18932 SAH

Acc. No.: T00427

Title: Variability in fatigue life of near- α titanium alloy IMI-834

Author: Bhandari, Litton

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2019

Call No.: 620.11 BHA

Acc. No.: T00435

Title: Effect of oxidation on the magnetic properties of SmCo 5 and SmprCo 5 permanent magnets

Author: Teja, Mittireddi Ravi

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2019

Call No.: 620.11 TEJ

Acc. No.: T00439

Title: Fluorescent labelled CuO nanoparticles for in vivo imaging

Author: Butreddy, Pravalika

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2019

Call No.: 620.11 BUT

Acc. No.: T00451

Title: Fabrication of a conductive polymeric substrate for application in tissue engineering

Author: Sharma, Saurabh

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2019

Call No.: 620.11 SHA

Acc. No.: T00466

Title: Development of molybdenum coating on CuCrZr alloy with laser assisted material deposition process

Author: Yadav, Ashish

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2019

Call No.: 620.11 YAD

Acc. No.: T00483

Title: Investigation of as-cast and homogenized microstructure in Mg-6wt. %Sn- 1wt. % Alalloy

Author: Jena, Ashutosh

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2019

Call No.: 620.11 JEN

Acc. No.: T00488

Title: Undoped and Nb-doped anatase thin films: thickness induced variation in the microstructure, electronic structure and optoelectronic properties

Author: Dey, Dhrutiman

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2019

Call No.: 620.11 DEY

Acc. No.: T00491

Title: Photonic crystals through mineralization of gyroids

Author: Dhar, Sudeshna

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2019

Call No.: 620.11 DHA

Acc. No.: T00499

Title: Optimization of the tool dimensions and process parameters for friction stir welding of AA2219 and thermal analysis using numerical simulation

Author: Srivastava, Akshay

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 671.52 SRI

Acc. No.: T00679

Title: Effect of doping copper-metal organic frameworks with emphasis on hydrostability and lead ion removal capacity

Author: Jaiswal, Ankit

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 620.18 JAI

Acc. No.: T00680

Title: Study of the antibacterial and mechanical properties of peptide modified LDPE films for food packaging applications

Author: Mittalbhair, Trivedi Pranav

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 620.8 MIT

Acc. No.: T00681

Title: Study on wetting transition in metals: an approach towards grain boundary segregation

Author: Tiwari, Priya

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 620.16 TIW

Acc. No.: T00682

Title: Failure detection of bioimplants using stable tracers in vitro: a pathway for implant health diagnosis

Author: Pidathala, Ranga Teja

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 620.8 PID

Acc. No.: T00683

Title: Surface study of Cu₂SnS₃ using first principle density functional theory

Author: Dahule, Rohit Sanjay

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 620.44 DAH

Acc. No.: T00684

Title: Mechanical property prediction in age hardened magnesium binary alloys

Author: Sarmah, Sidharth

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 620.11 SAR

Acc. No.: T00685

Title: Development of antibacterial surface composite by friction stir processing and aluminium 1050 as matrix

Author: Gautam, Sudha

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 620.11 GAU

Acc. No.: T00686

Title: Hot deformation of IN718: modelling and experimental validation

Author: Yadav, Gaurav Anilkumar

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 620.11 YAD

Acc. No.: T00687

Title: Development of cellulose based bionano composites scaffold by using zirconia and magnetite nanoparticles for bone tissue engineering

Author: Soni, Saurabh

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 620.8 SON

Acc. No.: T00688

Title: Oxidation of ferrochrome slag using CO₂:

Author: Das, Swagat

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 620.1 DAS

Acc. No.: T00689

Title: Comparative intergranular corrosion susceptibility studies of retrogression & reaged 7075 Al alloy

Author: Srivastava, Nishkarsh

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 620.11 SRI

Acc. No.: T00690

Title: Design optimization of torus cryo-pump housing

Author: Jogi, Gaurav

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 671.25 JOG

Acc. No.: T00921

Title: Effect of chromium and aluminum addition on Nickel-Cobalt binary alloy: study of different strengthening mechanism

Author: Soni, Akshay Kumar

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 620.188 SON

Acc. No.: T00922

Title: Effect of friction stir welding process parameters on microstructure and mechanical properties of AA-7075 T6 along with formability analysis and numerical modelling

Author: Shahi, Ankita

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 671.52 SHA

Acc. No.: T00923

Title: Enhanced upconversion luminescence of hexagonal NaYF₄:Yb, Er core nanorods coated with the NIR light harvester NaYbF₄ shell

Author: Sharma, Anurag

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 620.11295 SHA

Acc. No.: T00924

Title: Development of high throughput machine learning interatomic potential for high entropy alloys

Author: Longakshi, Bhumika

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 620.16 LON

Acc. No.: T00925

Title: Effect of the alkaline treatment of pineapple leaf fibres (PALF) on PALF reinforced rice starch bioplastic

Author: Bhadane, Prathmesh Kiran

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 631.587 BHA

Acc. No.: T00926

Title: Atomistic simulations of viscoelastic damping in high entropy alloys

Author: Gadekar, Priya

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 620.16 GAD

Acc. No.: T00927

Title: Development of landfill barrier from waste material for controlling soil and water pollution

Author: Gahlot, Rohit

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 363.739 GAH

Acc. No.: T00928

Title: Study on formability of friction stir welded dissimilar Aluminum alloys AL-6061-Y6 and AL-5083

Author: Dixit, Som

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 620.186 DIX

Acc. No.: T00929

Title: Optimization of process parameters and effect of tool pin profile on friction stir welding of AA 6082-T6 alloy

Author: Shah, Vats

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 621.1 SHA

Acc. No.: T00930

Title: Effect of addition of Aluminum and Titanium on the evolution of phase and mechanical properties of high entropy alloys

Author: Das, Sameekshya

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 621.3461 DAS

Acc. No.: T00931

Title: Finite elements analysis on deformational behavior of bobbins in the textile industry

Author: Gond, Shubham

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2022

Call No.: 620.11 GON

Acc. No.: T00977

Title: Ordering in Copper-Gallium alloys

Author: Chhotray, Abhijit

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2022

Call No.: 673.3 CHH

Acc. No.: T01003

Title: Microstructure analysis of high-pressure torsion deformed Zr-2.5 Nb and Zr-2.5 Nb-0.5 Ni alloys

Author: Gente, Anjani

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2022

Call No.: 620.11 GEN

Acc. No.: T01004

Title: Fabrication and characterization of mono and hybrid composites using friction stir processing with soda-lime glass and polymer reinforcements

Author: Mohanty, Ankita

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2022

Call No.: 671.73 MOH

Acc. No.: T01005

Title: Synthesis and application of metal organic frameworks grown on self sacrificial metal substrates

Author: Keerthy V.

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2022

Call No.: 547.05 KEE

Acc. No.: T01006

Title: Developing non-stoichiometric crystalline and amorphous TiO₂ for dye degradation applications

Author: Roy, Remiya

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2022

Call No.: 541.35 ROY

Acc. No.: T01007

Title: Rain-repellency and droplet bouncing properties of Bauhinia leaves in natural and laboratory environmental conditions

Author: Choubey, Rakesh

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2022

Call No.: 620 CHO

Acc. No.: T01092

Title: Evaluation of forming limit diagram and corrosion studies of friction stir welded dissimilar Aluminum alloys Al 5083 and Al 6061

Author: Jha, Chitranjan Kumar

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2023

Call No.: 620.186 JHA

Acc. No.: T01098

Title: Characterisation and numerical modelling of friction stir channelled ETP Copper fabricated in open-air and underwater conditions

Author: Sahoo, Sambit Kumar

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2023

Call No.: 671.52 SAH

Acc. No.: T01125

Title: Design and performance evaluation of turing structure-based thin-film nano-composite membranes for separation applications

Author: Parmar, Shivam

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024

Call No.: 660.28424 PAR

Acc. No.: T01215

Title: Processing-structure-property correlations in thin film deposition via molecular dynamics simulations

Author: Raj, Kishalay

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024

Call No.: 620.1 RAJ

Acc. No.: T01265

Title: Synthesis of monetite through chemical precipitation and its transformation to Hydroxyapatite

Author: Behera, Smruti Prakash

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024

Call No.: 660.042 BEH

Acc. No.: T01282

Title: Effect of composition on abnormal grain growth in the Co-Cr-Ni alloys

Author: Sahu, Sandhyarani

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024

Call No.: 671 SAH

Acc. No.: T01406

Title: Modelling grain morphology in additive manufacturing under varying scan strategies using KMC-SPPARKS framework

Author: Thombare, Aniket C

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 620.1 THO

Acc. No.: T01431

Title: Synthesis of high-performing metal-organic framework derived CuO- Co₃O₄ nanoparticles as electrode material for hybrid supercapacitor

Author: Kumar, Arjit

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 620.1 KUM

Acc. No.: T01439

Title: Data-driven prediction of fatigue strength in aluminium alloys

Author: Sinora, Bhavyaraj

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 620.1 SIN

Acc. No.: T01446

Title: Microstructure design in multilayered electrodeposited Ni-Co alloys

Author: Yadav, Saurabh

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 620.11 YAD

Acc. No.: T01483

Title: Role of microstructure on precipitation of (NiCoCr)(AlTi) multicomponent alloys

Author: Chak, Shivam

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 620.1 CHA

Acc. No.: T01488

Title: Milk and milk fat repellent coatings for HDPE bottles in dairy industries: laboratory and field testing

Author: Rajendrakumar, Panchal Shivamkumar

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 637.1 RAJ

Acc. No.: T01489

Title: First-principles study of NaSICON cathode for sodium-ion batteries

Author: Arman, Tasdique

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 620.1 ARM

Acc. No.: T01505

Title: Influence of binder chemistry and surface micro texturing for enhancing electrochemical performance of graphite-based anodes in Lithium-ion batteries

Author: Ganesh, Narayana

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 620.11 GAN

Acc. No.: T01530

Mechanical Engineering (156)

Title: Computational aerodynamics and flight dynamics of perching maneuver of unmanned aerial vehicles

Author: Dwivedi, Vinay

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2014

Call No.: 629.1323 DWI

Acc. No.: T00037

Title: Design and performance calculation of a solar aided super critical coal power plant with thermal energy storage

Author: Gupta, Sonia

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2014

Call No.: 621.042 GUP

Acc. No.: T00038

Title: Computational modeling of the condensed phase aerosol based fire extinguisher

Author: Sharma, Himanshu

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2014

Call No.: 621.811 SHA

Acc. No.: T00039

Title: Computational modelling of wing in ground effect aerodynamics

Author: Prasad, Rachit

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2014

Call No.: 629.1323 PRA

Acc. No.: T00040

Title: Recursive and delayed reconstruction of unknown inputs for dynamical systems

Author: Chavan, Roshan Anandrao

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2014

Call No.: 620.1074 CHA

Acc. No.: T00041

Title: CFD based coal combustion and erosion modelling for a 660 MWe, super- critical tangentially fired pulverized coal boiler

Author: Pillai, Manish

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2014

Call No.: 621.4023 PIL

Acc. No.: T00042

Title: Computational modelling of positive displacement pumps

Author: Bhandari, Neelesh

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2014

Call No.: 610.28 BHA

Acc. No.: T00043

Title: High- fidelity computational assessment of the performance of a vertical axis wind turbine

Author: Sudani, Jay Arvindbhai

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2015

Call No.: 621 SUD

Acc. No.: T00061

Title: Impact of fan pressure change and rack layout on data center thermal performance

Author: Shirbhate, Pratik Suryakant

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2013

Call No.: 621.402 SHI

Acc. No.: T00063

Title: Lattice Boltzmann method for applied aerodynamics problems

Author: Kanoria, Akshay Anil

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2015

Call No.: 620.1 KAN

Acc. No.: T00090

Title: Estimating non-uniform constitutive law of an elastic rod and validation with simple benchtop experiments

Author: Mishra, Sandeep Kumar

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2016

Call No.: 553.632 MIS

Acc. No.: T00108

Title: Computational assessment of multiphase flows in chokes and axial flow valves

Author: Jain, Ayush

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2016

Call No.: 665.74 JAI

Acc. No.: T00109

Title: Preliminary investigations in the field of die-less forming
Author: Parikh, Darshak Anantkumar
Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2016
Call No.: 557.3 PAR
Acc. No.: T00110

Title: Computational study of passive control of flow separation with vortex generators
Author: Vachhani, Milankumar Niteshbhai
Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2016
Call No.: 629.8042 VAC
Acc. No.: T00111

Title: Topology optimization of beam-column subjected to axial and transverse loads considering effects of buckling
Author: Singh, Nikhil
Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2016
Call No.: 624.1762 SIN
Acc. No.: T00112

Title: Estimation of constitutive law of bio-filaments under the action of Langevin forces
Author: Ghate, Rajanikant
Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2016
Call No.: 572 GHA
Acc. No.: T00113

Title: Computational aeromechanics of low aspect ratio aerodynamic configuration
Author: Gurnani, Sagarkumar Vijaykumar
Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2016
Call No.: 629.1323 GUR
Acc. No.: T00114

Title: Computational modelling of time aeromechanics and flight control of a quadrotor unmanned aerial vehicle
Author: Singh, Sumit Subhash
Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2016
Call No.: 629.1323 SIN
Acc. No.: T00115

Title: Heat Transfer by convection in nanotube arrays using molecular dynamics approach
Author: Thomas, Tabin M.
Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2016
Call No.: 621.4022 THO
Acc. No.: T00116

Title: Simulation driven design optimization of diesel-based non-catalytic autothermal reactor

Author: Sharma, Vikas

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2016

Call No.: 620 SHA

Acc. No.: T00117

Title: Computational study of lenticular airship with and without propeller

Author: Joshi, Abhishek

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2016

Call No.: 658.4062 JOS

Acc. No.: T00118

Title: High-fidelity computational assessment of the performance of unsynchronized vertical axis wind turbines

Author: Sawadiawala, Chirag Yogeshkumar

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2016

Call No.: 620 SAW

Acc. No.: T00119

Title: Topology optimization of steel girders subjected to thermal and mechanical loads

Author: Srivastav, Satya

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2016

Call No.: 624.17 SHR

Acc. No.: T00120

Title: Parametric study of dual-bed adsorption refrigeration system with heat and mass recovery

Author: Gupta, Vishnu kumar

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2016

Call No.: 621.56 GUP

Acc. No.: T00121

Title: Linear stability analysis of taylor couette MHD flow under the influence of steady axial magnetic field

Author: Swapnil

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2016

Call No.: 532.05 SWA

Acc. No.: T00122

Title: A quasi-static approach to capture thermal fluctuations in micro-scale bio-filaments

Author: Garg, Mohit

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2016

Call No.: 530.141 GAG

Acc. No.: T00123

Title: Computational aeromechanics of annular wings unnamed aerial vehicle

Author: Goyal, Abheeti

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2015

Call No.: 629.1323 GOY

Acc. No.: T00124

Title: Trackability analysis and tracking control of swirling pendulum -an underactuated mechanical system

Author: Shah, Ustav

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2016

Call No.: 620 SHA

Acc. No.: T00185

Title: Radiation heat transfer in space based sensors: a thermal analysis of spectrometer

Author: Jhaveri, Anshal

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2016

Call No.: 536.33 JHA

Acc. No.: T00187

Title: Flow past a horizontal cylinder

Author: Divyaprakash

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2016

Call No.: 620 DIV

Acc. No.: T00200

Title: Modeling and simulation of 3D printed vanadium redox flow battery

Author: Kumar, Brijesh

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2017

Call No.: 621.31242 KUM

Acc. No.: T00203

Title: Size effect on melting temperatures of alumina nanocrystals

Author: Joshi, Nikhil

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2017

Call No.: 669 JOS

Acc. No.: T00212

Title: Unsteady flow past a sharp crested weir

Author: Behere, Siddharth

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2017

Call No.: 627.23 BEH

Acc. No.: T00222

Title: Numerical modeling of flow past a side weir

Author: Amalnath M.

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2017

Call No.: 627.883 AMA

Acc. No.: T00247

Title: On the development of an adaptive gait characterizer

Author: Mazumder, Aniket

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2017

Call No.: 612.76 MAZ

Acc. No.: T00248

Title: Spacecraft attitude dynamics and control and attitude determination using GPS

Author: Panda, Baishali

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2017

Call No.: 623.893 PAN

Acc. No.: T00249

Title: Design Optimization and structural analysis of module mounting structure for canal top solar photo-voltaic system

Author: Chimane, Pratik Tulsiram

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2017

Call No.: 621.31244 CHI

Acc. No.: T00250

Title: Improvement of the mechanical properties of aluminium alloy (AA2219) with large plastic deformation at ambient and cryogenic temperatures

Author: Davinder

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2017

Call No.: 620.182 DAV

Acc. No.: T00251

Title: Active noise cancellation in HVAC ducts

Author: Tewari, Kamal

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2017

Call No.: 621.3893 TEW

Acc. No.: T00252

Title: Analysis of a cable driven leg exoskeleton

Author: Sanjeevi, N.S.S.

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2017

Call No.: 629.892 SAN

Acc. No.: T00253

Title: Optimization of channel geometry and thermal modeling of miniaturized vanadium redox flow battery

Author: Pinjari, Nehakauser Shaikhramjan

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2017

Call No.: 621.31243 PIN

Acc. No.: T00254

Title: Dynamics and guidance of reentry spacecraft

Author: Joshi, Pragati Pradip

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2017

Call No.: 629.8 JOS

Acc. No.: T00255

Title: Formability of tailor welded blanks produced by friction stir welding - a study on the effect of tool pin profile and eccentricity

Author: Dey, Ronit

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2017

Call No.: 671.52 DEY

Acc. No.: T00256

Title: Design and development of dieless metal forming prototype

Author: Bharti, Sahil

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2017

Call No.: 671.52 BHA

Acc. No.: T00257

Title: Suppression of vortex shedding in the wake of a bluff body by active control

Author: Rath, Sidhartha

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2017

Call No.: 620.106 RAT

Acc. No.: T00258

Title: Modification of a mechanical glass bottle filler table to enhance the hygienic requirement

Author: Chandnani, Anurag

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2017

Call No.: 621.8 CHA

Acc. No.: T00260

Title: Enhancing mechanical properties of aluminium-lithium alloy AA2195 using thermomechanical treatment

Author: Chatterjee, Ritam

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2017

Call No.: 673.722 CHA

Acc. No.: T00262

Title: Numerical modeling of one dimensional fanno flow

Author: Patnaik, Akhil

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2017

Call No.: 533.2 PAT

Acc. No.: T00264

Title: Modeling and simulation of combustion of isolated and packed bed of nickel coated aluminum particles

Author: Korat, Chirag

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2017

Call No.: 620.11 KOR

Acc. No.: T00297

Title: Flow modeling of friction stir welding

Author: Kumar, Nishant

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2017

Call No.: 671.52 KUM

Acc. No.: T00298

Title: Modeling and Simulation of combustion of magnesium water mixtures

Author: Sakhare, Aditya Anil

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2018

Call No.: 547.05 SAK

Acc. No.: T00301

Title: Detached eddy simulations and artificial neural network training on a data centeru rack

Author: Saiyad, Anashusen

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2018

Call No.: 006.32 SAI

Acc. No.: T00306

Title: Studying the effect of mutations on the kinesin motors by using generalized ensembles

Author: Sharma, Atul

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2018

Call No.: 571.4 SHA

Acc. No.: T00311

Title: Miniature vanadium redox flow battery for printed circuit board applications: modelling studies

Author: Pattnaik, Giridhari

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2018

Call No.: 621.381 PAT

Acc. No.: T00320

Title: Lower limb musculoskeletal stiffness analysis as a cable driven serial chain system

Author: Panchal, Nevilkumar

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2018

Call No.: 629.8 PAN

Acc. No.: T00332

Title: Size effect on melting point of aluminium nanocrystals: molecular dynamics simulations and thermodynamic modeling

Author: Mathur, Nilkumar

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2018

Call No.: 669.72 MAT

Acc. No.: T00333

Title: Explosion characteristic of metal dust cloud

Author: Mehta, Priyank

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2018

Call No.: 660.2804 MEH

Acc. No.: T00339

Title: Finding the two phase interface in the wick of a loop heat pipe

Author: Daroch, Ravinder Kumar

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2018

Call No.: 621.4025 DAR

Acc. No.: T00345

Title: Effect of crystal structure on the transverse correlation at the solid-liquid interface

Author: Chouksey, Shubham

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2018

Call No.: 541.3453 CHO

Acc. No.: T00358

Title: Heat treatment of Al 6082 effect on mechanical properties and electrical conductivity

Author: Singh, Sourabh

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2018

Call No.: 672.36 SIN

Acc. No.: T00365

Title: Energy accommodation coefficients for Al- N₂ system under non-equilibrium conditions

Author: Satbair, Singh

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2019

Call No.: 621.13 SIN

Acc. No.: T00386

Title: Experiments on a diesel autothermal reformer for marine fuel cell system application

Author: Valleti, Sai Mani Prudhvi

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2018

Call No.: 620.2106 VAL

Acc. No.: T00389

Title: Thermal analysis of minichannels fabricated using friction STIR channeling process

Author: Gurav, Shubhankar Subhash

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2018

Call No.: 671.52 GUR

Acc. No.: T00402

Title: Modeling and simulation of combustion of HMX-metal hybrid energetic materials

Author: Chandra, Abhik

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2019

Call No.: 621 CHA

Acc. No.: T00407

Title: Signature of linear instabilities in transition zone of decelerating boundary layers

Author: Unnikrishnan, Akash

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2019

Call No.: 621 UNN

Acc. No.: T00409

Title: Transient model of flame propagation in metal-liquid oxidizer mixtures

Author: Sharma, Ankit

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2019

Call No.: 621 SHA

Acc. No.: T00410

Title: Integrated simulation of active noise control from a computational fluid dynamic approach

Author: Cherkil, Arun

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2019

Call No.: 621.064 CHE

Acc. No.: T00414

Title: Role of surface morphology on mechanical properties: preliminary study

Author: Bakshi, Deep Aswinbhai

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2019

Call No.: 620.11292 BAK

Acc. No.: T00428

Title: Computational aero-acoustic analysis of blade-vortex interaction (BVI) in helicopter

Author: Syriac, John Sherjy

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2019

Call No.: 621 SYR

Acc. No.: T00431

Title: Design and development of metal cop assembly unit through the application of low cost automation

Author: Chauhan, Kishankumar

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2019

Call No.: 621 CHA

Acc. No.: T00434

Title: Computation of energy accommodation coefficient for aluminum-noble gas systems under near-equilibrium conditions

Author: Pinki

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2019

Call No.: 621 PIN

Acc. No.: T00444

Title: Modeling and optimization of methanol plate reactor with coated metal foam for high temperature PEM fuel cell system

Author: Mishra, Pragya

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2019

Call No.: 621 MIS

Acc. No.: T00447

Title: Multiscale modeling and simulation of heat transfer between alumina nanoparticles and noble gases

Author: Kulkarni, Prasanna P.

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2019

Call No.: 621.1 KUL

Acc. No.: T00449

Title: Transportation of payload using quadcopters under physical constraint with human in the loop

Author: Prajapati, Pratik

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2019

Call No.: 621 PRA

Acc. No.: T00450

Title: Mechanical property investigation of aluminized in-rafm steels

Author: Rakesh, Tunk

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2019

Call No.: 621 RAK

Acc. No.: T00457

Title: Numerical analysis of active vibration control on a thin plate

Author: Jain, Rasik

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2019

Call No.: 621 JAI

Acc. No.: T00458

Title: Modeling microstructurally aware non-convex domains

Author: Tewari, Sourav Mukul

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2019

Call No.: 621 TEW

Acc. No.: T00473

Title: Mechanical and microstructural behaviour of dissimilar AA2014-T6 aluminiumalloys plates joined by friction stir welding

Author: Adil, Mohammad

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2019

Call No.: 621 ADI

Acc. No.: T00484

Title: Experimental and kinetic study of methanol steam reforming, decomposition and water gas shift reactions over CuO/ZnO/Al₂O₃ in packed bed reactor

Author: Dwivedi, Ankit

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2019

Call No.: 621.1 DIW

Acc. No.: T00485

Title: Quantifying the density fluctuations at the solid-liquid interface using molecular dynamics simulations

Author: Gupta, Ashu

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2019

Call No.: 621 GUP

Acc. No.: T00487

Title: Design of a hybrid fuel burner coupled to a diesel reforming system for energy recovery from waste gas of fuel cell

Author: Ramswamy, Dhanurdhar

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2019

Call No.: 621 RAM

Acc. No.: T00490

Title: Development of a maxent based multiscale algorithm to study the effect of mutation on the speed of kinesin motor

Author: Jalal, Nashit

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2019

Call No.: 621 JAL

Acc. No.: T00495

Title: Methanol stream reforming on plate reactor over catalyst surface supported by copper metal foam

Author: Agrawal, Piyush

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2019

Call No.: 621 AGR

Acc. No.: T00496

Title: Development of a Wearable adaptive rehabilitation suit (WeARS) as a resistive emulator

Author: Iyer, S. Srikesh

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2019

Call No.: 621 IYE

Acc. No.: T00497

Title: Experimental investigation of cool flame and their formation mechanism

Author: Bhakta, Sagardeep

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2019

Call No.: 621 BHA

Acc. No.: T00498

Title: Computational study of noise reduction in subsonic jet using chevron nozzles

Author: Gupta, Suyash Kumar

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2019

Call No.: 621 GUP

Acc. No.: T00500

Title: Porous electrodes with directionally aligned macro pores for higher energy density Li ion batteries

Author: Mathur, Rishabh

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 620.1 MAT

Acc. No.: T00575

Title: Dynamics and control of quadrotor carrying cable suspended load

Author: Lanje, Saurabh

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2019

Call No.: 620 LAN

Acc. No.: T00577

Title: Analytical investigation on eccentric Taylor Couette flow in low reynolds number regime

Author: Abhimanyu

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 621 ABH

Acc. No.: T00579

Title: Dynamical analysis of liquid sloshing employing phenomenological mechanical model

Author: Choudhury, Arunav

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2019

Call No.: 620.1 CHO

Acc. No.: T00580

Title: Nonlinear modal interactions in inflated beam structure

Author: Kumar, Sanjeev

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2019

Call No.: 624.1 KUM

Acc. No.: T00665

Title: Standardization of Delta C mechanical filler machine

Author: Kumar, Chandan

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 621.8 KUM

Acc. No.: T00666

Title: Roe-based numerical scheme for calorically imperfect multispecies shock tube problem

Author: Dubey, Deepam

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 621.8 DUB

Acc. No.: T00667

Title: Mechanical and acoustic characterization of polymeric foams

Author: Verma, Devki

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 620.2 VER

Acc. No.: T00668

Title: Technology upgradation for increasing reliability of filler machine

Author: Shrivastava, Dewansh

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 621.8 SHR

Acc. No.: T00669

Title: Dam break flow past a circular cylinder in a meandering channel

Author: Bauskar, Dinesh

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 620.106 BAU

Acc. No.: T00670

Title: Optimal control of growth of instabilities in Taylor Couette flows

Author: Dandelia, Harvansh

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 620.106 DAN

Acc. No.: T00671

Title: Design and performance analysis of a cool flame vaporiser for diesel auto-thermal reformers

Author: Krishnan R, Hemanth

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 620.1 KRI

Acc. No.: T00672

Title: Computation of surface free energies of aluminum by molecular dynamics simulations

Author: Thosare, Ruchi Anil

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 620.1 THO

Acc. No.: T00673

Title: Control implementation on cool flame vaporizer for diesel auto-thermal reforming

Author: Narendra, Challa Sai Ajay

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 620.1 NAR

Acc. No.: T00674

Title: Effect of surfactant on the settling of a drop towards a wall

Author: Jadhav, Sayali Nitin

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 668.1 JAD

Acc. No.: T00675

Title: Optimal operation of air gap distillation coupled with solar thermal heat input

Author: Ahmad, Aqbal

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 621.4022 AHM

Acc. No.: T00676

Title: Study of hydrodynamics and sediment transportation at coastal Dahej, Gulf of Khambhat, India

Author: Patel, Rishabh

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 627.122 PAT

Acc. No.: T00677

Title: Study of hydrodynamics and sediment transportation at coastal Hazira, Bay of Khambhat, Gujarat

Author: Upadhyay, Utkarsh

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 627.122 UPA

Acc. No.: T00678

Title: Design, fabrication and experimental analysis of air gap distillation system

Author: Sivan, Varier Anuj

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 660.283 SIV

Acc. No.: T00902

Title: Thin film steady state approximation of melt pool flows and effect of initial surface geometry in pulsed laser surface melting

Author: Mistry, Utsavkumar Jitendrabhai

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 550.1291 MIS

Acc. No.: T00903

Title: Sensorless force control- implementation and experimental validation using the WISKI robotic manipulator

Author: Sidhu, Karanbir

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 629.892 SID

Acc. No.: T00904

Title: Open die forging simulation of nickel based superalloy nimonic 115 using deform 3D

Author: Jana, Swarup

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 005.365 JAN

Acc. No.: T00905

Title: Electrokinetics of polymeric fluids in narrow rectangular confinements

Author: Natu, Aditya Vinayak

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 660.11 NAT

Acc. No.: T00906

Title: Development of a cable-driven ankle exoskeleton

Author: Jategaonkar, Chinmay

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 629.4772 JAT

Acc. No.: T00907

Title: Linear stability analysis of boundary layer flow over a heated flat plate

Author: Kavra, Paritosh

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 623.812 KAV

Acc. No.: T00908

Title: Assessment of green roof performance in hot and dry climatic conditions

Author: Gupta, Pooja

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 635.9671 GUP

Acc. No.: T00909

Title: Novel implicit roe and roe-MUSCL schemes for hyperbolic conservation laws

Author: Mittakolu, Roshith

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 515.353 MIT

Acc. No.: T00910

Title: Performance of ethanol-blended diesel fuel in cool flame reactor for autothermal reforming

Author: Gupta, Shubham

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 662.669 GUP

Acc. No.: T00911

Title: Modelling and planar workspace analysis of cable-driven continuum manipulator

Author: Paranjape, Omkar Dilip

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 629.892 PAR

Acc. No.: T00912

Title: Investigating the feasibility and performance of topological properties towards restoration efforts for perturbed plant-pollinator ecological networks

Author: Dubey, Sarth

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 571.8642 DUB

Acc. No.: T00913

Title: Implementation of phase switch monte Carlo method for the melting of crystalline solids

Author: Anilkumar, Chirag

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 530.41 ANI

Acc. No.: T00914

Title: Assessment of the multi-effect membrane distillation system using computational fluid dynamics (CFD) modeling

Author: Das, Rahul

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 624.171 DAS

Acc. No.: T00915

Title: Energy efficient operation of capacitive deionization

Author: Reddy, Dudyala Rahul

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 535.2 RED

Acc. No.: T00916

Title: A differential torque controller with velocity and friction coefficient estimation for differential drive robots

Author: Jadhav, Omkar Pratap

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 791.43 JAD

Acc. No.: T00917

Title: Design, implementation and control of a parallel manipulator for developing virtual force field capability in a gait trainer setup.

Author: Shubham

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 530.032 SHU

Acc. No.: T00918

Title: Experimental validation of stability boundaries of a tendon-driven robotic finger with passive compliance and variable end-effector stiffness

Author: Aryal, Sagar

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 621.3164 ARY

Acc. No.: T00919

Title: Piecewise linear dynamics of a cracked beam

Author: Tandel, Vaibhavkumar Dhansukhbhai

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2021

Call No.: 620.21 TAN

Acc. No.: T00920

Title: Design and fabrication of Sievert apparatus and investigation of volumetric hydrogen storage properties of boron nitride based nanomaterials

Author: Gour, Anshul

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2022

Call No.: 621 GOU

Acc. No.: T00974

Title: Role of topological gradients on effective properties in cellular solids

Author: Srivastava, Utkarsh

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2022

Call No.: 620.11 SRI

Acc. No.: T00975

Title: Effective elastic properties of orthotropic tetrakaidecahedral open cell foams

Author: Sahu, Shivam

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2022

Call No.: 621 SAH

Acc. No.: T00976

Title: Electrophoretic trajectories in viscoelastic fluids

Author: Borthakur, Rajnandan

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2022

Call No.: 621.81 BOR

Acc. No.: T00982

Title: Noise generation due to airfoil-vortex interaction

Author: Sarkar, Abishek

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2022

Call No.: 620.23 SAR

Acc. No.: T01008

Title: Energetics of Lithium extraction from brines through electrochemical methods

Author: Deka, Akangsha

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2020

Call No.: 660.29 DEK

Acc. No.: T01009

Title: Flame propagation in pellets of Nickel-Clad Aluminium particles: a comprehensive multi-scale model

Author: Garai, Souritra

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2023

Call No.: 623.045 GAR

Acc. No.: T01090

Title: Design and analysis of membrane-based M-cycle cooling system

Author: Turpati, Sunilkumar

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2022

Call No.: 697.93 TUR

Acc. No.: T01096

Title: Interplay of bulk soluble surfactants and interfacial kinetics governs the stability of two-layer channel flows

Author: Chakraborty, Gourab

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2023

Call No.: 620.106 CHA

Acc. No.: T01100

Title: Laser surface processing of AA7075 and Aluminium surface composites

Author: Kalwar, Biki Kumar Sah

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2023

Call No.: 620.1 KAL

Acc. No.: T01111

Title: Characterization and acoustic analysis of supersonic overexpanded jets

Author: Sahoo, Ipsita

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2023

Call No.: 621 SAH

Acc. No.: T01118

Title: Climate change impact on electricity demand and solar PV potential in Gujarat, India

Author: Ray, Madhusmita

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2023

Call No.: 621.47 RAY

Acc. No.: T01120

Title: Conceptualization and design of a portable FSW machine structure

Author: Chand, Subhrajit

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2023

Call No.: 671.52 CHA

Acc. No.: T01129

Title: Experimental studies on combustion of Nickel-Aluminium powder compacts

Author: Kamaraj, Nithin

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2023

Call No.: 621.4 KAM

Acc. No.: T01211

Title: Investigation of fog harvesting on micro-structured metal meshes and the surface ageing effects

Author: Showket, Jasafa

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024

Call No.: 620.11 SHO

Acc. No.: T01220

Title: Mixing and combustion efficiency of scramjet engine

Author: Mahto, Akshay Kumar

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024

Call No.: 629.13 MAH

Acc. No.: T01221

Title: Experimental investigation of microsecond laser textured Ti6Al4V condensation heat transfer enhancement

Author: Chokshi, Avnish Prashantbhai

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024

Call No.: 536 CHO

Acc. No.: T01225

Title: Design and modelling of variable stiffness hybrid cable driven soft gripper

Author: Khatti, Pankaj

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024

Call No.: 629.8 KHA

Acc. No.: T01236

Title: Development of 2R cable-driven serial chain manipulator for upper limb assistance

Author: Kumar, Rishab

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024

Call No.: 629.8 KUM

Acc. No.: T01274

Title: Kinetics and morphology of multi-core compound droplets in pressure driven flows

Author: Pathak, Soham Shrirang

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024

Call No.: 530.4 PAT

Acc. No.: T01283

Title: Investigating the coffee-stain effect on copper surfaces: influence of wettability and surfactants

Author: Chaudhari, Shreyaskumar Vijaybhai

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2024

Call No.: 620.1 CHA

Acc. No.: T01399

Title: Synthesis And Characterization Of Lithium Borohydride Decorated Activated Hexagonal Boron Nitride, And Its Investigation For Hydrogen Storage.

Author: Kausadikar, Varad Prashant

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 621.3 VAR

Acc. No.: T01410

Title: Adaptive robot hands with integrated slip detection and deformation estimation for soft object handling

Author: Ishrath

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 629.8 ISH

Acc. No.: T01419

Title: Assessment of peltier-enhanced immersion flow cooling impact on battery c-rate operations

Author: Deokar, Abhayraj Vishnu

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 621 DEO

Acc. No.: T01424

Title: Characterisation and experimental study of micro-second laser-induced surface colourisation of Ti6Al4V

Author: Kumar, Alok

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 620.1 KUM

Acc. No.: T01429

Title: Grasp sequence planning for multi-object grasping by using reachability maps and validation using leap hand

Author: Ansari, Anamullah

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 628.89 ANS

Acc. No.: T01430

Title: Design, fabrication and experimental characterization of a vapor chamber for thermal management

Author: Karale, Omkar Chandrakant

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 621.4 KAR

Acc. No.: T01468

Title: Design and modeling optimization of 3D-Printed compact heat exchanger

Author: Suryawanshi, Raju Mukund

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 621.4 SUR

Acc. No.: T01477

Title: Development of supersonic flow solver with combustion and investigation of cavity based scramjets

Author: Ramavallabhan, Raviteja

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 629.13 RAM

Acc. No.: T01478

Title: Phase field modelling of crack propagation in isotropic and orthotropic brittle solids under thermo-mechanical loading

Author: Prajapati, Shubham Hiteshkumar

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 620.112 PRA

Acc. No.: T01491

Title: Effective properties of rough geological fractures emerging from coupled electro-hydrodynamic flows: a detailed parametric study

Author: Akash K A

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 621 AKA

Acc. No.: T01517

Title: Design and optimization of thermoelectric coolers for localized air cooling in confined duct systems

Author: Alam, Md Tousif

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 621.56 ALA

Acc. No.: T01528

Title: Analysis of curing and residual stress evolution in a viscoelastic composite material

Author: Bhagat, Sumit

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2025

Call No.: 620.16 BHA

Acc. No.: T01537

List of MSc. Theses

Chemistry (13)

Title: Short and effective asymmetric synthesis towards alkylated paraconic acids through organocatalysis

Author: Kumar, Amit

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2016

Call No.: 547 KUM

Acc. No.: T00188

Title: Origin of the electronic conductivity in La_2CuO_4 synthesized by solution combustion method

Author: Arora, Payal

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2016

Call No.: 570 ARO

Acc. No.: T00190

Title: Dimeric cyanine dye as effective probe for quadruplex DNA

Author: Kanchan

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2016

Call No.: 572.8 KAN

Acc. No.: T00191

Title: Synthesis and photophysical studies of pyrene substituted NIR Aza-BODIPYs

Author: Boruah, Nayan Jyoti

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2016

Call No.: 914 BOR

Acc. No.: T00192

Title: Towards improving enantioselectivity of γ -alkylated linear α,β -unsaturated aldehydes

Author: Srivastava, Ravi

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2016

Call No.: 541 SRI

Acc. No.: T00193

Title: Synthesis of gold nanorods and their dimers

Author: Sharma, Deepika

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2016

Call No.: 530 SHA

Acc. No.: T00194

Title: Design and synthesis of phosphate based inositol & mannose: potential RAS inhibitors

Author: Bhadporia, Rohit

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2016

Call No.: 570 BHA

Acc. No.: T00195

Title: Controlled post synthesis growth and etching of gold nanorods

Author: Kumar, Pavneesh

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2016

Call No.: 650 KUM

Acc. No.: T00196

Title: Development of gold nanoparticle based plasmonic bio sensor

Author: Dey, Jyotirban

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2017

Call No.: 530 DEY

Acc. No.: T00210

Title: Developing a bimodal bio-inspired photosensitized hydrogen evolving molecular complex

Author: Yadav, Vamakshi

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2017

Call No.: 541 YAD

Acc. No.: T00211

Title: Synthesis of co-salen complexes containing bio-inspired outer coordination sphere functionalities for hydrogen production

Author: Nagayach, Vivek

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2016

Call No.: 629 NAG

Acc. No.: T00213

Title: Regioselective α -alkylation of 2,4- dialenal based on morita- baylis- hillman reaction

Author: Sachin

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2017

Call No.: 547 SAC

Acc. No.: T00214

Title: In situ FT-IR studies of ruthenium supported over metal oxide at high temperatures using co as probe

Author: Singh, Himanshu Kumar

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2017

Call No.: 622 SIN

Acc. No.: T00215

Cognitive and Brain Sciences (1)

Title: Effects of paced respiratory exercise on retention of motor skills

Author: Yadav, Goldy

Publisher: Gandhinagar: Indian Institute of Technology Gandhinagar, 2015

Call No.: 611.2 YAD

Acc. No.: T00072
