SILIGURI INSTITUTE OF TECHNOLOGY

Journal Publication

SL NO	Title of paper	Name of the author/s	Name of journal	Year of publication	Indexed by SCI/ UGC Care list/Scopus/Web of Science
1	Static Permittivity and Electro-Optical Properties of Bi-Component Orthoconic Antiferroelectric Liquid Crystalline Mixtures Targeted for Polymer Stabilized Sensing Systems	Shantiram Nepal, **Banani Das**, Malay Kumar Das , Madhumita Das Sarkar , Magdalena Urbańska, Michał Czerwiński	Polymers	2022	Science Citation Index Expanded
2	Influence of Additive White Gaussian Noise on the OEO Output	Arindum Mukherjee, Shantanu Mandal, **Dia Ghosh**, B N Biswas	IEEE Journal of Quantum Electronics	2021	Science Citation Index Expanded
3	Design Approach Toward Compact Circular Sector Microstrip Antenna With Low Cross Polarization	**S. K. Ghosh**, A. Ghosh, S. Chakraborty, L. L. K. Singh, and S. Chattopadhyay	IEEE Antennas and Wireless Propagation Letters	2021	Science Citation Index Expanded
4	Experimental Verification of a New Oscillation-based Test Algorithm for Analog Circuits	**M. Parai**, S. Srimani, K. Ghosh and H. Rahaman	IETE Journal of Research	2021	Science Citation Index Expanded
5	Human Skin Ringworm Detection Using Wavelet and Curvelet Transforms: A Comparative Study	**M. Saha**, M. K. Naskar, B. N. Chatterji	International Journal of Computational Vision and Robotics	2021	Scopus

6	Dielectric Spectroscopy and electrical conductivity measurements of a series of orthoconic antiferroelectric liquid crystalline esters.	Shantiram Nepal, **Banani Das,** Malay Kumar Das, Madhumita Das Sarkar, Roman Dabowski	Ferroelectrics	2021	Science Citation Index Expanded
7	Coordinated AC frequency vs DC voltage control in a ovoltaic-wind-battery-based hybrid AC / DC microgrid.	Asim Datta, Alejandro C. Atoche, **Indrajit Koley,** Rishiraj Sarker, Javier V. Castillo, Kamalika Datta, Debasree Saha.	International Transactions on Electrical Energy Systems	2021	Science Citation Index Expanded
8	Dynamic Power–Frequency Control in a Hybrid Wind-PV Plant Interlinked with AC Power System	Datta A., **Koley I**., Panda G.K.,Atoche A. C.,Castillo, J. V	Journal of Electrical Engineering & Technology	2021	Science Citation Index Expanded
9	Designing of load frequency control scheme for a microgrid system using a hybrid teaching-learning-optimization differential-evaluation based algorithm.	**I. Koley** , G. K Panda , A. Datta	Journal of Huazhong University of Science and Technology	2021	Scopus
10	An Intelligent System for Securing Network From Intrusion Detection and Prevention of Phishing Attack Using Machine Learning Approaches	Sumit Banik, Sagar Banik, **Anupam Mukherjee**	Machine Learning Techniques and Analytics for Cloud Security	2021	Scopus
11	A Statistical Approach of Analog Circuit Fault Detection Utilizing Kolmogorov–Smirnov Test Method	S. Srimani, , **M. Parai,** K.Ghosh, et al.	*Circuits Syst Signal Process*	2020	Science Citation Index Expanded
12	An IoT based building health monitoring system supported by cloud	**Debajyoti Misra**, Gautam Das and Debaprasad Das	Journal of Reliable Intelligent Environments	2020	scopus
13	Analog Circuit Fault Detection by Impulse Response-Based Signature Analysis.	**M. Parai,** ,S. Srimani, K. Ghosh, et al.	*Circuits System Signal Process*	2020	Science Citation Index Expanded

14	Wind Energy Infiltrated Multi-Area Power System: Optimized 2-DOF-FOPID Controller for LFC.	**I. Koley**, A. Datta, G.K. Panda	International Journal of Renewable Energy Research	2020	Emerging Sources Citation Index
15	Rewritable Crystalline Monomer-Polymer Heterostructures Patterning and Mechanical Actuation viaTopochemical Polymerization in a Dual-Responsive Photochromic Organic Material.	R. Samanta, D. Kitagawa, A. Mondal, **M. Bhattacharya**, M. Annadhasan, S. Mondal, R. Chandrasekar, S. Kobatake, C. Malla Reddy,	*ACS Applied Materials & Interfaces,*	2020	Science Citation Index Expanded
16	Development of nano- porous hydroxyapatite coated e-glass for potential bone-tissue engineering application: An in vitro approach.	A. Mahatoa, Z. Sandy, S. Bysakh, L. Hupa, I. Das, P. Bhattacharjee, B. Kundu, G. De, S. K. Nandi, P.Vallittue,V. K.Balla, **M. Bhattacharya,**	Materials Science and Engineering: C	2020	Science Citation Index Expanded
17	Multilayer ceramic- polymer microcomposite with improved optical tunability and nanomechanical integrity.	S. Mukherjee, S. Rath, **M. Bhattacharya,** A. K. Mukhopadhyay	Ceramics International	2020	Science Citation Index Expanded
18	Mechanical bending induced fluorescence enhancement in plastically flexible crystals of a GFP chromophore analogue.	B. Bhattacharya, D. Roy, S. Dey, A. Puthuvakkal, S. Bhunia, S. Mondal, R.Chowdhury, **M. Bhattacharya**, M. Mandal, K. Manoj, P. K. Mandal and C. M.Reddy,	Angewandte Chemie	2020	Science Citation Index Expanded

19	Fast Switching Behaviour and Dielectric Parameters of two Chiral Ferroelectric Mesogens.	Shantiram Nepal, Sarmistha Mondal, Anindita Sinha, **Banani Das**, Malay Kumar Das, Ewelina Dmochowska, Jakub Herman & Michal Czerwiński	Liquid Crystals	2020	Science Citation Index Expanded
20	Dielectric Spectroscopy and electrical conductivity measurements of high -tilted antiferroelectric materials.	Shantiram Nepal, **Banani Das**, Malay Kumar Das, Katarzyna Strojwas, Megdalena Urbanska	Phase Transitions	2020	Science Citation Index Expanded
21	Heterogeneous Decomposition of Predictive Modeling Approach on Crime Dataset Using Machine Learning	**Anupam Mukherjee,** Anupam Ghosh	Intelligent Techniques and Applications in Science and Technology	2020	Scopus
22	Moving towards "Green Telecom' for environmental sustainability: Indian Scenario	A. Mitra, **S. Dey.** & P. Choudhury,	Journal of the Social Sciences	2020	Scopus
23	Does Unorganized Retail do better than Organized Retail in India during the World Pandemic Crisis?	**S. Dey** & D. Saha,	Journal of the Social Sciences	2020	Scopus
24	Interaction of nanoscale damages with static and dynamic contact induced damages in alumina: A novel approach using nanoindentation	**M. Bhattacharya**, A. K. Mukhopadhyay	Ceramic International	2019	Science Citation Index Expanded
25	A critical note on nanoscale plasticity in 20 ZTA ceramics	P. Maiti, **M. Bhattacharya**, P. S. Das, J. Ghosh, A. K. Mukhopadhyay	Ceramic International	2019	Science Citation Index Expanded
26	Micro pop-in issues in nanoindentation behaviour of 10 ZTA ceramics	P. Maiti, A. Eqbal, **M. Bhattacharya**, P. S. Das, J. Ghosh, A. K. Mukhopadhyay	Ceramic International	2019	Science Citation Index Expanded

27	Effect of molecular structure on dielectric and electro-optic properties of chiral liquid crystals based on lactic acid derivatives	Barnali Barman, **Banani Das**, Malay Kumar Das, Věra Hamplová, Alexej Bubnov	Journal of Molecular Liquids	2019	Science Citation Index Expanded
28	Dielectric Properties of Chiral Ferroelectric Liquid Crystalline Compounds with Three Aromatic Rings Connected by Ester Groups,	Malay Kumar Das 1, Barnali Barman , **Banani Das** , V ˇera Hamplová and Alexey Bubnov	Crystals	2019	Science Citation Index Expanded
29	A survey on big data: an emerging imparity and revolution in digital world	**Anupam Mukherjee**; Sourav De; Siddhartha Bhattacharyya	International Journal of Hybrid Intelligence, Inderscience	2019	Scopus
30	Detection of disease and Prediction of Post Risk Level from DNA Sequence Using Pattern Matching and GA - A Proposed System	**Sucharita Das**	International Journal of Scientific Reseach and Reviews	2019	UGC
31	Elastic Window for Multiple Face Detection and Tracking from Video.	Aniruddha Dey, **Satadal Chakraborty,** Debaditya kundu, Manas Ghosh	Computational Intelligence in Pattern Recognition, Springer	2019	Scopus
32	The influence of Feed probes on the Modes of Circular Sector Microstrip Antennas", IEEE APS Magazine	**Sudip Kumar Ghosh**, Abhijyoti Ghosh, Subhradeep Chakraborty, L. Lolit Kumar Singh, Sudipta Chattopadhyay	*IEEE APS Magazine*	2019	Science Citation Index Expanded
33	automatic vehicle Accident Detection and mesaging system using GPS and GSM Module	**Jayati Routh**, Arshiya Das, Piyashi kundu, Madhubarsha Thakur	International Journal of Engineering Trends and Technology	2019	Scopus
34	An Approach for Long Term Economic Operations of Competitive Power Market by Optimal Combined Scheduling of Wind Turbines and FACTS Controllers	**Subhojit Dawn,** Prashant Tiwari Arup Kumar Goswami	Energy (Elsevier)	2019	Science Citation Index Expanded

35	Wind power: Existing status, achievements and government's initiative towards renewable power dominating India	**Subhojit Dawn,** Prashant Tiwari Arup Kumar Goswami, Ankit	Energy Strategy Reviews (Elsevier)	2019	Science Citation Index Expanded
36	A Two Step Approach for Improvement of Economic Profit and Emission with Congestion Management in Hybrid Competitive Power Market	Prashant Tiwari, Manash Mishra Varanasi, **Subhojit Dawn**	International Journal of Electrical Power and Energy Systems (Elsevier)	2019	Science Citation Index Expanded
37	Influence of shape and texture features on facial expression recognition.	**Asit Barman,** Paramartha Dutta	IET Image Processing, IET	2019	Science Citation Index Expanded
38	Elastic Window for Multiple Face Detection and Tracking from Video.	Aniruddha Dey, Satadal Chakraborty**, Debaditya kundu,** Manas Ghosh	Computational Intelligence in Pattern Recognition, Springer	2019	Scopus
39	Facial expression recognition using distance and texture signature relevant features	**Asit Barman,** Paramartha Dutta	Applied Soft Computing, Elsevier	2019	Science Citation Index Expanded
40	Homestay-based Tourism - A Tool For Socio Economic Upliftment Of Host Communities In Hilly Region Of Rural Darjeeling District Of West Bengal: An Analytical Study	**Shomnath Dutta**	International Journal of Research and Analytical Reviews (IJRAR), UGC Approved Journal No: 43602, Volume 6 Issue 2, 21.04.2019	2019	UGC CARE
41	Modal analysis of probe-fed circular sector microstrip antenna with and without variable air gap: Investigation with modified cavity model	**Sudip Kumar Ghosh ,** Subhradeep Chakraborty L. Lolit Kumar Singh , Sudipta Chattopadhyay	International journal RF and Microwave Computer Aided Engineering. Wiley	2018	Science Citation Index Expanded
42	Role of weak interactions in the distinct mechanical behavior of trimorphs of a Schiff's base: Brittle, plastic and elastic deformation and thermosalient effect	B. R. Kammari, S. Ranjan, Vishnu V S, **M. Bhattacharya**, B. Bhattacharya, A. K. Mukhopadhyay and C. M. Reddy	Crystal Growth & Design	2018	Science Citation Index Expanded

43	Reversible, repeatable and low phase transition behaviour of spin coated nanostructured vanadium oxide thin films with superior mechanical properties	D. Mukherjee, A. Dey , A. C. M. Esther , D. Palai , N. Sridhara, P. Bera , **M. Bhattacharya**, A. Rajendra , A. K. Sharma , A. K. Mukhopadhyay	Ceramic International	2018	Science Citation Index Expanded
44	Indentation Size Effect and Energy Balance Issues in Nanomechanical Behaviour of ZTA Ceramics	P. Maiti, **M. Bhattacharya**, P. S. Das, P. S. Devi, A. K. Mukhopadhyay	Ceramic International	2018	Science Citation Index Expanded
45	A FacileSynthesis Methodology for Preparation of Ag–Ni-Reduced Graphene Oxide: A Magnetically Separable Versatile Nanocatalyst for Multiple Organic Reactions and Density Functional Study of its Electronic Structures.	M. Chandel, P. Makkar, B. K. Ghosh, **D. Moitra** and N. N. Ghosh	RSC Advances.	2018	Science Citation Index Expanded
46	Synthesis of Multifunctional CuFe2O4–Reduced Graphene Oxide Nanocomposite:An Efficient Magnetically Separable Catalyst as well as High PerformanceSupercapacitor and First-Principles Calculations of its Electronic Structures.	M. Chandel, **D. Moitra**, P. Makkar, H. Sinha, H. S. Hora and N. N. Ghosh	RSC Advances.	2018	Science Citation Index Expanded
47	1-D BiFeO3 nanowire-Reduced Graphene Oxide Nanocomposite as Excellent Supercapacitor Electrode Material.	**D. Moitra**, C. Anand, B. K. Ghosh, M. Chandel, N. N. Ghosh	ACS Applied Energy Materials.	2018	Science Citation Index Expanded
48	Barium Hexaferrite (BaFe12O19) Nanoparticles as Highly Active and Magnetically Recoverable Catalyst for Selective Epoxidation of Styrene to Styrene Oxide.	M. Chandel, B. K. Ghosh, **D. Moitra**, N. N. Ghosh	Journal of Nanoscience and Nanotechnology.	2018	Science Citation Index Expanded
49	Synthesis of Various Ferrite (MFe2O4) Nanoparticles and Their Application as Efficient and Magnetically Separable Catalyst for Biginelli Reaction.	M. Chandel, B. K. Ghosh, **D. Moitra**, M. K. Patra, S. R. Vadera, N. N. Ghosh	Journal of Nanoscience and Nanotechnology.	2018	Science Citation Index Expanded

50	A Multi-level Integrator with Programming Based Bososting for Person Authentication using Different Biometrics	**Sumana Kundu,** Goutam Sarker	Journal of Information Processing Systems	2018	Scopus
51	An IoT based waste management system monitored by cloud	**Debajyoti Misra**, Trinankur Chakraborty,Gautam Das, Debaprasad Das	Journal of Material Cycles and Waste Management (Springer)	2018	Science Citation Index Expanded
52	An Approach for System Risk Assessment and Mitigation by Optimal Operation of Wind Farm & FACTS Devices in Centralized Competitive Power Market	**S. Dawn,** P. Kumar Tiwari, A. Kumar Goswami and R. Panda	IEEE Transactions on Sustainable Energy	2018	Science Citation Index Expanded
53	An efficient approach for establishing the economic and operating reliability via optimal coordination of wind-PSH-solar-storage hybrid plant in highly uncertain double auction competitive	**Subhojit Dawn,** Prashant Tiwari , Arup Kumar Goswami	IET Renewable Power Generation	2018	Science Citation Index Expanded
54	An approach for efficient assessment of the performance of double auction competitive power market under variable imbalance cost due to high uncertain wind penetration	**Subhojit Dawn,** Prashant Tiwari Arup Kumar Goswami	Renewable Energy (Elsevier)	2018	Science Citation Index Expanded
55	Microstructure, Electrical Conductivity and Modulus Spectra of CdI2 doped Nanocomposite-Electrolytes	Ranadip Kundu, Debasish Roy and **Sanjib Bhattacharya**	Physica B: Condensed Matter	2017	Science Citation Index Expanded
56	Formation of Nano-Phases and study of Transition Metal Oxide doped Glassy Systems	**S. Bhattacharya**, A. S. Das, M. Roy and D. Roy	Journal of Non-Crystalline Solids	2017	Science Citation Index Expanded
57	Positron annihilation studies and complementary experimental characterization of xAg2O-(1-x)(0.3CdO-0.7MoO3) metal oxide glass nanocomposites	Ranadip Kundu, **Sanjib Bhattacharya**, Debasish Roy and P.M.G. Nambissan	RSC Advance	2017	Science Citation Index Expanded

58	Anomalous electrical conductivity in selenite glassy nanocomposites	Arun Kr Bar, Koyel Bhattacharya, Ranadip Kundu, Debasish Roy and **Sanjib Bhattacharya**	Materials Chemistry and Physics	2017	Science Citation Index Expanded
59	Study of Electrical Transport of Ag2O – CdO – MoO3 Glass-Nanocomposite-Semiconductor	Ranadip Kundu, Debasish Roy and **Sanjib Bhattacharya**	Chemistry Select	2017	Scopus
60	Frequency and temperature dependent conductivity spectra of mixed transition metal oxide doped semiconducting glassy system	**Sanjib Bhattacharya**, A. S. Das, M. Roy and D. Roy	Journal of Non-Crystalline Solids	2017	Science Citation Index Expanded
61	Intelligently Designed Fly-Ash based Hybrid Composites with Very High Hardness and Young's modulus	D. Chanda, S. Roy Chowdhury, **M. Bhattacharya**, A. K. Mandal, N. Dey and A. K. Mukhopadhyay	Construction and Building Materials	2017	Science Citation Index Expanded
62	Transparent Al+3 doped MgO Thin films for Functional Applications	P. Maiti, P. S. Das, **M. Bhattacharya**, S. Mukherjee, B. Saha, A. K. Mullick and A. K. Mukhopadhyay	Materials Research Express	2017	Science Citation Index Expanded
63	Nano- and micro-tribological behaviours of plasma nitrided Ti6Al4V alloys	A. Samanta, **M. Bhattacharya**, I. Ratha, H. Chakraborty, S. Datta, J. Ghosh, S. Bysakh, M. Sreemany, R. Rane, A. Joseph, S. Mukherjee, B. Kundu, M. Das, A. K. Mukhopadhyay	Journal of the Mechanical Behavior of Biomedical Materials	2017	Science Citation Index Expanded

64	Synthesis and Microwave Absorption Properties of BiFeO3 Nanowire-RGO Nanocomposite and First-Principles Calculations for Insight of Electromagnetic Properties and Electronic Structures	**D. Moitra**, S. Dhole, B. K. Ghosh, M. Chandel, R. K. Jani, M. K. Patra, S. R. Vadera and N. N. Ghosh	The Journal of Physical Chemistry C.	2017	Science Citation Index Expanded
65	CuO Nanoparticle Immobilised Mesoporous TiO2 Cobalt Ferrite Nanocatalyst: AVersatile, Magnetically Separable and Reusable Catalyst.	B. K. Ghosh, **D. Moitra**, M. Chandel, M. K. Patra, S. R. Vadera, N. N. Ghosh	Catalysis Letters.	2017	Science Citation Index Expanded
66	Ag Nanoparticle Immobilized Mesoporous TiO2-Cobalt Ferrite Nanocatalyst: A Highly Active,Versatile, Magnetically Separable and Reusable Catalyst.	B. K. Ghosh, **D. Moitra**, M. Chandel, H. Lulla, N. N. Ghosh	Materials Research Bulletin.	2017	Science Citation Index Expanded
67	Preparation of TiO2/CobaltFerrite/Reduced Graphene Oxide Nanocomposite Based Magnetically SeparableCatalyst with Improved Photocatalytic Activity	B. K. Ghosh, **D. Moitra**, M. Chandel, N. N. Ghosh	Journal of Nanoscience and Nanotechnology.	2017	Scopus
68	OPTIMISATION OF BEAM-COLUMN CONNECTIONS IN PRECAST CONCRETE CONSTRUCTION	**POOJA BARMA**	INTERNATIONAL JOURNAL OF CIVIL ENGINEERING & TECHNOLOGY- Scopus Indexed Journal	2017	Scopus
69	On-street parking LOS estimation using AHP and Cluster Analysis	**Debasish Das** & Prof. Mokaddes Ali Ahmed	KSCE Journal of Civil Engineering	2017	Science Citation Index Expanded
70	Medical Image Segmentation	**Moumita Ghosh,** Himadri nath moulick, Medical image segmentation	International Journal of Trend in Research and Development	2017	Index Copernicus
71	Facial expression recognition using distance and shape signature features	**Asit Barman,** Paramartha Dutta	Pattern Recognition Letters (PRL), Elsevier	2017	Science Citation Index Expanded

72	Structural and Optical Properties of V2O5-MoO3-ZnO Glass-Nanocomposite System	Anindya Sundar Das, Madhab Roy, Debasish Roy, Satchidananda Rath & **Sanjib Bhattacharya**	Trans. Ind. Cer. Soc.	2016	Scopus
73	Electrical relaxation and grain boundary effect in CdI2 doped glass-nanocomposites	Arun Kr. Bar, Koyel Bhattacharya, Ranadip Kundu, Debasish Roy and **Sanjib Bhattacharya**	Journal of Non-Crystalline Solids	2016	Science Citation Index Expanded
74	Nanotribological response of a plasma nitrided bio-steel	A. Samanta, H. Chakraborty, **M. Bhattacharya**, J. Ghosh, M. Sreemany, S. Bysakh, R. Rane, A. Joseph, S. Mukherjee, A. K. Mukhopadhyay	Journal of the Mechanical Behavior of Biomedical Materials	2016	Science Citation Index Expanded
75	Nanomechanical Responses of Human Hair	A. Samanta, **M. Bhattacharya**, S. Dalui, M. Acharya, P. S. Das, D. Chanda, S. D. Acharya, S. K. Sivaraman, S. Nath, A. K. Mandal, J. Ghosh and A. K. Mukhopadhyay (+ Contributed Equally)	Journal of Mechanical Behaviour of Biomedical Materials	2016	Science Citation Index Expanded
76	Influence of Loading Rate on Sapphire	**M. Bhattacharya**, A. Dey and A. K. Mukhopadhyay	Ceramics International	2016	Science Citation Index Expanded
77	Low Strain Rate Compressive Failure Mechanism of Coarse Grain Alumina	**M. Bhattacharya**, S. Dalui, N. Dey, S. Bysakh, J. Ghosh and A. K. Mukhopadhyay	Ceramics International	2016	Science Citation Index Expanded
78	Self-adjusting Unique Nanoscale Contact Resistance of a Single Alumina Grain	**M. Bhattacharya**, A. Dey and A. K. Mukhopadhyay	Materials Research Express	2016	Science Citation Index Expanded

79	Nanotribological response of a plasma nitrided bio-steel	A. Samanta, H. Chakraborty, **M. Bhattacharya,** J. Ghosh, M. Sreemany, S. Bysakh, R. Rane, A. Joseph, S. Mukherjee, A. K. Mukhopadhyay	Journal of the Mechanical Behavior of Biomedical Materials	2016	Science Citation Index Expanded
80	Microstructural, thermo-optical, mechanical and tribological behaviours of vacuum heat treated ultra thin SS304 foils	D. Palai, **M. Bhattacharya**, A. B. Mallick, P. Bera, A. K. Sharma, A. K. Mukhopadhyay and A. Dey	Mater. Res. Express	2016	Science Citation Index Expanded
81	Impact Energy Absorption Analysis of Spark Plasma Sintered Al2O3 Reinforced Bulk MWCNT compacts using Nanoindentation	A. Kar, S. Sarkar, P. K. Das, **M. Bhattacharya** and A. K. Mukhopadhyay,	Int. J. Appl. Ceram. Technol.	2016	Science Citation Index Expanded
82	Nanocolumnar Crystalline Vanadium Oxide −Molybdenum Oxide Antireflective Smart Thin Films with Superior Nanomechanical Properties	A. Dey, M. K. Nayak, A. C. M. Esther, M. S. Pradeepkumar, D. Porwal, A. K. Gupta, P. Bera, H. C. Barshilia, A. K. Mukhopadhyay, A. K. Pandey, K. Khan, **M. Bhattacharya**, D. R Kumar, N. Sridhara and A. K. Sharma	Scientific Reports	2016	Science Citation Index Expanded
83	Effect of low temperature vacuum annealing on microstructural, optical, electronic, electrical, nanomechanical properties and phase transition behavior of sputtered vanadium oxide thin films	D. Porwal, A. C. M. Esther, A. Dey, A. K. Gupta, D. R. Kumar, P. Bera, H. C. Barshilia, **M. Bhattacharya,** A. K. Mukhopadhyay, K. Khan, A. K. Sharma	Materials Research Express	2016	Science Citation Index Expanded

84	Failure and Deformation Mechanisms at Macro- and Nano-scales of Alkali Activated Clay	P. S. Das+, **M. Bhattacharya**+, D. Chanda, S. K. Dalui, S. D. Acharya, S. Ghosh and A. K. Mukhopadhyay (+ Contributed Equally)	Journal of Physics D: Applied Physics	2016	Science Citation Index Expanded
85	Nanoscale contact resistance of V2O5 xerogel films developed by nanostructured powder	B. Bera, P. S. Das, **M. Bhattacharya**, S. Ghosh, A. K. Mukhopadhyay and A. Dey	Journal of Physics D: Applied Physics	2016	Science Citation Index Expanded
86	Nanomechanical Responses of Human Hair	A. Samanta, **M. Bhattacharya**, S. Dalui, M. Acharya, P. S. Das, D. Chanda, S. D. Acharya, S. K. Sivaraman, S. Nath, A. K. Mandal, J. Ghosh and A. K. Mukhopadhyay	Journal of Mechanical Behaviour of Biomedical Materials	2016	Science Citation Index Expanded
87	Synthesis of a BiFeO3 nanowire-reduced graphene oxide based magnetically separable nanocatalyst and its versatile catalytic activity towards multiple organic reactions.	**D. Moitra,** B. K. Ghosh, M. Chandel and N. N. Ghosh	RSC Advances	2016	Science Citation Index Expanded
88	A Simple 'in situ' Co-precipitation Method for Preparation of Multifunctional CoFe2O4-Reduced Graphene Oxide Nanocomposites: Excellent Microwave Absorber and Highly Efficient Magnetically Separable Recyclable Photocatalyst for Dye Degradation	**D. Moitra**, M. Chandel, B. K. Ghosh, R. K. Jani, M. K. Patra, S. R. Vadera and N. N. Ghosh	RSC Advances	2016	Science Citation Index Expanded

89	D. Moitra, B. K. Ghosh, M. Chandel, R. K. Jani, M. K. Patra, S. R. Vadera and N. N. Ghosh, Synthesis of a Ni0.8Zn0.2Fe2O4-RGO nanocomposite: an excellent magnetically separable catalyst for dye degradation and microwave absorber.	**D. Moitra**, B. K. Ghosh, M. Chandel, R. K. Jani, M. K. Patra, S. R. Vadera and N. N. Ghosh	RSC Advances	2016	Science Citation Index Expanded
90	A facile method for preparation of TiO2 nanoparticle loaded mesoporous γ-Al2O3: An efficient but cost-effective catalyst for dye degradation.	B. Naik, **D. Moitra**, D. Dayananda, S. Hazra, B. K. Ghosh, S. V. Prasad, N. N.Ghosh	Journal of Nanoscience and Nanotechnology.	2016	Scopus
91	On-street Parking Demand Estimation in Urban CBD using FI and CF Model: A case study – Kolkata, India	**Dr. Debasish Das** & Prof. Mokaddes Ali Ahmed	Indian Journal of Science and Technology	2016	Zoological Record
92	Controlling on-street parking demand using sensitivity analysis: A case study at Kolkata	**Dr. Debasish Das**, Prof. Mokaddes Ali Ahmed & Saptarshi Sen	Journal of Transportation Systems, MAT Journal	2016	Scopus
93	Size Dependent Photoluminescence Property of Hydrothermally Synthesized Crystalline Carbon Quantum Dots,	**S. Sarkar,** D. Banerjee, U. K. Ghorai, N.S. Das and K. K. Chattopadhyay.	Journal of Luminescence	2016	Science Citation Index Expanded
94	Easy synthesis of porous carbon mesospheres and its functionalization with Titania nanoparticles for enhanced field emission and photocatalytic activity,	Dheeraj Kumar, Diptonil Banerjee, **Sourav. Sarkar**, Nirmalya S. Das and Kalyan K. Chattopadhyay,	Materials Chemistry and Physics	2016	Science Citation Index Expanded
95	A comprehensive theoretical study of Dual loop optoelectronic oscillator.	**Dia Ghosh**, Arindum Mukherjee, et. Al.	Optik, Elsevier	2016	Science Citation Index Expanded
96	On the effect of combining an external synchronizing signal feeding the Mach–Zehnder modulator in an optoelectronic oscillator	Arindum Mukherjee, **Dia Ghosh**, Baidyanath Biswas	Optik, Elsevier	2016	Science Citation Index Expanded
97	Harmonic distortion and power relations In a single loop optoelectronic oscillator	A.Mukherjee, **D.Ghosh**, N.R. Das, B.N. Biswas	Optik, Elsevier	2016	Science Citation Index Expanded

98	Recent developments of solar energy in India: Perspectives, strategies and future goals	**Subhojit Dawn,** Prashant Tiwari Arup Kumar Goswami, Manash Mishra	Renewable & Sustainable Energy Reviews	2016	Science Citation Index Expanded
99	Improvement of economic profit by optimal allocation of TCSC and UPFC with wind power generators in double auction competitive power market	**Subhojit Dawn,** Prashant Tiwari	International Journal of Electrical Power and Energy Systems	2016	Science Citation Index Expanded
100	A Joint Scheduling Optimization Strategy for Wind and Pumped Storage Systems Considering Imbalance Cost & Grid Frequency in Real-Time Competitive Power Market	**Subhojit Dawn,** Prashant Tiwari Arup Kumar Goswami	International Journal of Renewable Energy Research	2016	Emerging Sources Citation Index
101	Comparative Performance Study for Closed Loop Operation of an Adjustable Speed Permanent Magnet Synchronous Motor Drive with Different Controllers	**Chiranjit Sain,** Atanu Banerjee P. K Biswas.	International Journal of Power Electronics and Drive Systems (IJPEDS)	2016	Science Citation Index Expanded
102	Electro-optical properties of a new series of fluorinated antiferroelectric orthoconic liquid crystalline esters	Anamika Pramanik, Malay Kumar Das, **Banani Das**, Magdalena Żurowska & Roman Dąbrowski	Liquid Crystals	2015	Science Citation Index Expanded
103	Comparative study of the mesomorphic properties of several laterally fluorinated liquid crystalline materials	Prajnamita Dasgupta , Anamika Pramanik , Malay Kumar Das and **Banani Das**	Liquid Crystals	2015	Science Citation Index Expanded
104	Self-assembling properties of lactic acid derivative with several ester linkages in the molecular core,	Anamika Pramanik , Malay Kumar Das , **Banani Das**, Věra Hamplová, Miroslav Kašpar and Alexej Bubnov	Phase Transitions	2015	Science Citation Index Expanded
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