

3.4.5 Number of research papers per teacher in the Journals notified on UGC website during the year

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal
Attention Deficit Hyperactivity Disorder Prediction Using Resting-State Networks	Patel, Hetav (58326733900); Sood, Nehil (58684314900); Sharma, Abhishek (57221739454)	ECE	Lecture Notes in Networks and Systems	2023	23673370	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85175962388&doi=10.1007%2f978-981-99-2602-2_11&partnerID=40&md5=5ac77d09c689202c0098855b92eb0890
Classification of Bipolar Disorder Using Deep Learning Models on fMRI Data	Chauhan, Harsh (58684985400); Gadhiya, Poojan (58684203700); Sharma, Abhishek (57221739454)	ECE	Lecture Notes in Networks and Systems	2023	23673370	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85175982016&doi=10.1007%2f978-981-99-2602-2_14&partnerID=40&md5=7cd2ff08f6dbf6fac6d69d7adfa96f9d
SEM-CS: Semantic Clipstyler for Text-Based Image Style Transfer	Kamra, Chanda Grover (58155132400); Mastan, Indra Deep (57204780216); Gupta, Debayan (55508283300)	CSE	Proceedings - International Conference on Image Processing, ICIP	2023	15224880	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85180754222&doi=10.1109%2fICIP49359.2023.10223148&partnerID=40&md5=5da34c0b5ed074277aa04282a144f6b4
A Construction of Three Party Post Quantum Secure Authenticated Key Exchange for Mobile Users	Kumar, Uddeshaya (57213057877); Pal, Yogesh (57336423200); Nikhil, Perla Sai (58765703600); Garg, Manish (57197593432); Kumar, M. Ranjith (55350981900); Chaudhary, Dharminder (58765316800)	ECE	2023 14th International Conference on Computing Communication and Networking Technologies, ICCCNT 2023	2023		https://www.scopus.com/inward/record.uri?eid=2-s2.0-85179845908&doi=10.1109%2fICCCNT56998.2023.10306940&partnerID=40&md5=2bbe2454a510ea2291d038c7dfd1912f
Predicting Schizophrenia from fMRI Using Deep Learning	Kardani, Shail (58684528700); Sharma, Raghav (58728059300); Sharma, Abhishek (57221739454)	ECE	Lecture Notes in Networks and Systems	2023	23673370	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85175982319&doi=10.1007%2f978-981-99-2602-2_15&partnerID=40&md5=9410ae1a4dc569c5f76842b7bbad0280
Neuroinformatics Deep Learning Synthesizer Based on Impulse Control Disorder Using LSTM Cells	Maheshwari, Vipul (55995731600); Soni, Akshat (58685155400); Sharma, Abhishek (57221739454)	ECE	Lecture Notes in Networks and Systems	2023	23673370	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85175956618&doi=10.1007%2f978-981-99-2602-2_12&partnerID=40&md5=550fd007fa6dd00244d9f3f157744c66
Wasserstein GANs-Enabled Spectral Normalization on Credit Card Fraud Detection	Sharma, Kartikey (58595541500); Sharma, Abhishek (57221739454); Bansal, Sulabh (15827316500)	ECE	Lecture Notes in Networks and Systems	2023	23673370	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85175990365&doi=10.1007%2f978-981-99-2602-2_13&partnerID=40&md5=db7d7b9f1195f5e46e963e645c731c98

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal
PSDP: Blockchain-Based Computationally Efficient Provably Secure Data Possession	Kar, Jayaprakash (36561566000)	CSE	Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)	2023	3029743	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85180538171&doi=10.1007%2f978-3-031-49099-6_28&partnerID=40&md5=6183e921519e0943ebc900b19ca1ca71
Axisymmetric Metasurface Absorber to Reduce Specific Absorption Rate (SAR) of a Mobile Antenna used for 5G Communication	Rathor, Ajeet Kumar (58604568300); Porwal, Rahul (58604827600); Samanta, Gopinath (55219905300); Deepak Nair, M.V. (57217466030)	ECE	2023 14th International Conference on Computing Communication and Networking Technologies, ICCCNT 2023	2023		https://www.scopus.com/inward/record.uri?eid=2-s2.0-85179836338&doi=10.1109%2f1CCNT56998.2023.10306621&partnerID=40&md5=4725c5990c35d03a5a338db8302f4b13
A Comparative Study of Weld Bead Geometry of AISI 1023 with Varying Plate Width Using SAW and ASAW	Singhal, Tejendra Singh (57218384701); Jain, Jinesh Kumar (50861370200); Kumar, Manoj (58423711200); Agrawal, Rajeev (57214841044)	MME	Lecture Notes in Mechanical Engineering	2023	21954356	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85134165283&doi=10.1007%2f978-3-031-09382-1_11&partnerID=40&md5=149c0f04e095a6cb6058468dba6cc208
Regenerated Image Texture Features for COVID-19 Detection in Lung Images	Sharma, Ankita (57210974820); Singh, Preety (7403970780)	CSE	Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)	2023	3029743	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85161457177&doi=10.1007%2f978-3-031-31435-3_18&partnerID=40&md5=e207881c463bb662fd64ee65d73bd378
Adaptive Early Classification of Time Series Using Deep Learning	Sharma, Anshul (57216653969); Singh, Saurabh Kumar (57281125800); Kumar, Abhinav (57307821000); Singh, Amit Kumar (55726466900); Singh, Sanjay Kumar (57309134300)	CSE	Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)	2023	3029743	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85161650143&doi=10.1007%2f978-3-031-30111-7_45&partnerID=40&md5=2c8e57255ff825916d0a58718e2738bd
A Framework for Leagile Production System Using Analytical Hierarchical Process	Mukherjee, Soumil (58452948000); Bohra, Vinay Kumar (57215434319); Sharma, Vikram (57194859621)	MME	Lecture Notes in Mechanical Engineering	2023	21954356	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163957809&doi=10.1007%2f978-981-19-7709-1_52&partnerID=40&md5=3597d5201f10ea2a4ed7a76ba8c7c9e3

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Analog Performance of Normally-On Si3N4/AlN/ β -Ga2O3 HEMT	Chauhan, Meenakshi (57667162600); Khan, Abdul Naim (57222188228); Tomar, Raghuvir (7005871729); Jena, Kanjalochan (56485520200)	ECE	Lecture Notes in Electrical Engineering	2023	18761100	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85138804022&doi=10.1007%2f978-981-19-2308-1_8&partnerID=40&md5=ca4f40026a5473ef03078a86115e3c0d
SentiMatch: Sentiment Analysis of Multi-modal Social Media Posts	Yadav, Abhishek (24802769000); Jain, Nisarg (58285356900); Sharma, Lakshay (57219459325); Singh, Preety (7403970780)	CSE	Proceedings of the 10th International Conference on Signal Processing and Integrated Networks, SPIN 2023	2023		https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160003879&doi=10.1109%2fSPIN57001.2023.10116315&partnerID=40&md5=28c16e583f18d638b5619fbd952e63d
Longitudinal Analysis of Mask and No-Mask on Child Face Recognition	Chandaliya, Praveen Kumar (55576115800); Akhtar, Zahid (46661628200); Nain, Neeta (25639882500)	MME	ACM International Conference Proceeding Series	2022		https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160448338&doi=10.1145%2f3571600.3571659&partnerID=40&md5=bb22d6f0895d85f536a3d2c91b346299
Dynamic Hand Gesture Recognition Using mYOLO-CSRT and HGCNN for Human–Machine Interaction	Sain, Manoj Kumar (58717504600); Singha, Joyeeta (56957043200); Bijalwan, Vishwanath (57201040008)	ECE	Lecture Notes in Electrical Engineering	2023	18761100	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163353746&doi=10.1007%2f978-981-99-0085-5_51&partnerID=40&md5=9c10d2184e3f5c76234de70736c4f805
Investigation and Optimization of Weld Bead Geometry of AISI 1023 with Varying Plate Width Using Taguchi and Multiple Regression Analysis	Aswal, Vinod Kumar (7003671922); Jain, Jinesh Kumar (50861370200); Kumar, Manoj (58423711200); Singhal, Tejendra Singh (57218384701); Bajpai, Tapas (57225144643)	MME	Lecture Notes in Mechanical Engineering	2023	21954356	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85161234095&doi=10.1007%2f978-981-19-7612-4_30&partnerID=40&md5=be56ba35c6019b4bacdf5df20d94662a
ContextCLIP: Contextual Alignment of Image-Text pairs on CLIP visual representations	Grover, Chanda (57986196400); Mastan, Indra Deep (57204780216); Gupta, Debayan (55508283300)	CSE	ACM International Conference Proceeding Series	2022		https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160433401&doi=10.1145%2f3571600.3571653&partnerID=40&md5=8d6a75918df223b3aea84319caa2a267
Spatial Statistics-based Participant Selection for Optimised Mobile Crowd-Sensing	Sengar, Aditya Singh (56183227800); Debnath, Soumitra (55877179500)	ECE	2023 International Conference for Advancement in Technology, ICONAT 2023	2023		https://www.scopus.com/inward/record.uri?eid=2-s2.0-85153249292&doi=10.1109%2fICONAT57137.2023.10080362&partnerID=40&md5=0a3e43f83446e034fb2148d34bf5db8e
Deployment of Co-operative Farming Ecosystems Using Blockchain	Mahapatra, Aishwarya (58394498300); Gupta, Pranav (58399186100); Swarnkar, Latika (58398399000); Gupta, Deeya (58396065000); Kar, Jayaprakash (36561566000)	CSE	Lecture Notes in Networks and Systems	2023	23673370	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163355033&doi=10.1007%2f978-3-031-27409-1_98&partnerID=40&md5=2691395748221fa3bd1a5667b633ecd6

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Second-Order Nonlinearity of a Boolean Function Class with Low Spectra	Saini, Kezia (57561882300); Garg, Manish (57197593432)	MATHEMATICS	Lecture Notes in Networks and Systems	2023	23673370	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85161665499&doi=10.1007%2f978-3-031-29959-9_6&partnerID=40&md5=a89eac070dc0b332ce266b81c5b603f0
A Comparative Study and Analysis of Time Series Forecasting Techniques for Indian Summer Monsoon Rainfall (ISMR)	Bajpai, Vikas (37033379900); Kalra, Tanvin (58164226700); Bansal, Anukriti (55568270500)	CSE	Communications in Computer and Information Science	2023	18650929	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151256785&doi=10.1007%2f978-3-031-28183-9_45&partnerID=40&md5=13f85d16e0206ccbcd094410cf5a6307
GITz: Graphene-assisted IRS Design for THz Communication	Sharma, Bhupendra (56405022500); Agarwal, Anirudh (56183234800); Mishra, Deepak (57195328785); Debnath, Soumitra (55877179500)	ECE	IEEE Vehicular Technology Conference	2022	15502252	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85137829036&doi=10.1109%2fVTC2022-Spring54318.2022.9860743&partnerID=40&md5=ace74fac7d90f856b3fc084d533b945d
Improved Analog Performance of PZT Ferroelectric AlGaIn/AlN/GaN E-Mode GR-MOSHEMT	Khan, Abdul Naim (57222188228); Chauhan, Meenakshi (57667162600); Jena, K. (56485520200); Chatterjee, Gaurav (57222190275)	ECE	2022 IEEE Delhi Section Conference, DELCON 2022	2022		https://www.scopus.com/inward/record.uri?eid=2-s2.0-85129351582&doi=10.1109%2fDELCON54057.2022.9752935&partnerID=40&md5=7a1e29dc998ee4802d65c24ab3264be3
Implementation of Android-based Smart Speakers in a Smart Home for Dementia Patients	Chattopadhyay, Rhitayu (57836335500); Pandya, Saumitra (57835731000); Kaur, Rajbir (57395952300)	CSE	2022 IEEE 7th International conference for Convergence in Technology, I2CT 2022	2022		https://www.scopus.com/inward/record.uri?eid=2-s2.0-85135633108&doi=10.1109%2fI2CT54291.2022.9825202&partnerID=40&md5=ca4e2465df5302d6e44b1301e2c59c71
Design of High-Gain Operational Transconductance Amplifier	Durgam, Rajesh (57449147400); Tamil, S. (57256746900); Raj, Nikhil (36024368000)	ECE	Lecture Notes in Networks and Systems	2022	23673370	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85127066833&doi=10.1007%2f978-981-16-8512-5_59&partnerID=40&md5=93383692a82024b45a3acf486cb6d1b7
Speed Invariant Hand Gesture Recognition System using CNN	Saboo, Shweta (57222317430); Singha, Joyeeta (56957043200); Laskar, Rabul Hussain (23397200000)	ECE	2022 IEEE 7th International conference for Convergence in Technology, I2CT 2022	2022		https://www.scopus.com/inward/record.uri?eid=2-s2.0-85135633470&doi=10.1109%2fI2CT54291.2022.9824072&partnerID=40&md5=9fac4c4cd0aa92979253f835acb0eeba
Scheduling Energy Flexible Devices Under Constrained Peak Load Consumption in Smart Grid	Chakraborty, Nilotpal (57194438825); Chakraborty, Roshni (57188729685); Kalaimannan, Ezhil (56028547200)	CSE	Proceedings - 13th ACM/IEEE International Conference on Cyber-Physical Systems, ICCPS 2022	2022		https://www.scopus.com/inward/record.uri?eid=2-s2.0-85134198234&doi=10.1109%2fICCPS54341.2022.00049&partnerID=40&md5=a3f51db2754cac5ea0b174b17448a6ce

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Design of Low Voltage Improved Current Mirror	Anil Kumar, P. (57449147300); Tamil, S. (57256746900); Raj, Nikhil (36024368000)	ECE	Lecture Notes in Networks and Systems	2022	23673370	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85127023309&doi=10.1007%2f978-981-16-8512-5_58&partnerID=40&md5=01a8ba8d8815ce23dbe99155e1d18f1f
Stock Price Prediction Using Artificial Intelligence: A Survey	Sonkiya, Priyank (57226402039); Bajpai, Vikas (37033379900); Bansal, Anukriti (55568270500)	CSE	2022 IEEE 7th International conference for Convergence in Technology, I2CT 2022	2022		https://www.scopus.com/inward/record.uri?eid=2-s2.0-85135607624&doi=10.1109%2fI2CT54291.2022.9825415&partnerID=40&md5=9ae473208deef122aed8e5b6bb1cabe7
CNN and Autoencoders based Hybrid Deep Learning Model for Crop Disease Detection	Aashish (57218935888); Thakkar, Aditya (57218933748); Yadav, Shubham (58277502000); Saini, Sandeep (56426782900); Lata, Kusum (35743015300)	ECE	Proceedings of the 2022 International Conference on Connected Systems and Intelligence, CSI 2022	2022		https://www.scopus.com/inward/record.uri?eid=2-s2.0-85142279453&doi=10.1109%2fCSI54720.2022.9923983&partnerID=40&md5=35550c7c8f748ad17f2a9fe46c75b61c
Model-Based Evaluation and Comparative Analysis of Biological Nutrient Removal Processes	Khatri, Narendra (56046733100); Khatri, Kamal Kishore (35751409300); Sharma, Abhishek (57221739454)	MME	Lecture Notes in Civil Engineering	2022	23662557	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85127712365&doi=10.1007%2f978-981-16-6647-6_12&partnerID=40&md5=43002b1fae0e934c48eb980fa6639eea
Circuit Characterization of IRS to Control Beamforming Design for Efficient Wireless Communication	Sharma, Bhupendra (56405022500); Agarwal, Anirudh (56183234800); Mishra, Deepak (57195328785); Debnath, Soumitra (55877179500)	ECE	IEEE Wireless Communications and Networking Conference, WCNC	2022	15253511	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85130743598&doi=10.1109%2fWCNC51071.2022.9771917&partnerID=40&md5=ba399fcd86cc8b7040299b6da6c2d456
PSSCC: Provably secure communication framework for crowdsourced industrial Internet of Things environments	Dharminder, Dharminder (57210165312); Mishra, Dheerendra (57211415687); Rodrigues, Joel J. P. C. (25930566300); de A. L. Rabelo, Ricardo (57529259700); Saleem, Kashif (24766676700)	MATHEMATICS	Software - Practice and Experience	2022	380644	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85082651964&doi=10.1002%2fspe.2826&partnerID=40&md5=7eba97100e1c42d111bd09f2bec0ff99
Prioritization of Renewable Energy Alternatives by Using Analytic Hierarchy Process (AHP) Model: A Case Study of India	Pathak, Sudhir Kumar (57221807296); Sharma, Vikram (57194859621); Chougule, Sandesh S. (56526806900)	MME	Lecture Notes in Mechanical Engineering	2022	21954356	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85126193871&doi=10.1007%2f978-981-16-7059-6_10&partnerID=40&md5=1592f07649bf3c70d23f1e69f74153a3
Analysis of Long Term Trends of Rainfall in Jaipur	Bajpai, Vikas (37033379900); Bansal, Anukriti (55568270500)	CSE	Communications in Computer and Information Science	2022	18650929	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85126225428&doi=10.1007%2f978-3-030-96040-7_38&partnerID=40&md5=55da564d353afad1a810ee96978bf898

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Design of Low Power High Gain Structure of Bulk Driven OTA	Dadheech, Astha (57872432400); Raj, Nikhil (36024368000); Rawal, Divyang (55557409000)	ECE	2022 2nd International Conference on Emerging Frontiers in Electrical and Electronic Technologies, ICEFEET 2022	2022		https://www.scopus.com/inward/record.uri?eid=2-s2.0-85137181598&doi=10.1109%2fICEFEET51821.2022.9848251&partnerID=40&md5=1586e3d9fde804cac330a35b2de793bb
Dynamic Hand Gesture Recognition with Self-co-articulation removal in Indoor and Outdoor Environment	Saboo, Shweta (57222317430); Singha, Joyeeta (56957043200); Laskar, Rabul Hussain (23397200000)	ECE	2022 International Mobile and Embedded Technology Conference, MECON 2022	2022		https://www.scopus.com/inward/record.uri?eid=2-s2.0-85129219234&doi=10.1109%2fMECON53876.2022.9752212&partnerID=40&md5=f6d91be7de83c6ed57295e58af563985
Power-efficient Joint Link Selection and Multihop Routing for Throughput Maximization in UAV Assisted FANETs	Mittal, Payal (57766496200); Shah, Santosh (55321138800); Agarwal, Anirudh (56183234800)	ECE	IEEE International Symposium on Personal, Indoor and Mobile Radio Communications, PIMRC	2022		https://www.scopus.com/inward/record.uri?eid=2-s2.0-85145648952&doi=10.1109%2fPIMRC54779.2022.9978111&partnerID=40&md5=235d6cf0fc699b53a9328e4cb0088d42
Parameter robust higher-order finite difference method for convection-diffusion problem with time delay	Sahoo, Sanjay Ku (57219634956); Gupta, Vikas (57193599494)	MATHEMATICS	Numerical Methods for Partial Differential Equations	2023	0749159X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85159357210&doi=10.1002%2fnum.23039&partnerID=40&md5=2c599e055b558a8f53151266b93b2853
Directed Message Passing Neural Network for Predicting Power Conversion Efficiency in Organic Solar Cells	Malhotra, Prateek (57208905260); Biswas, Subhayan (14521792500); Sharma, Ganesh D. (55549519200)	ECE+PHYSICS	ACS Applied Materials and Interfaces	2023	19448244	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85167480616&doi=10.1021%2facami.3c08068&partnerID=40&md5=fa7be1ae8e9fbaf94df0ff316083cc21
An Enhanced Generative Adversarial Network Model for Fingerprint Presentation Attack Detection	Anshul, Ashutosh (58724644100); Jha, Ashwini (57221126490); Jain, Prayag (58314127100); Rai, Anuj (57224965965); Sharma, Ram Prakash (57199508052); Dey, Somnath (23396629800)	CSE	SN Computer Science	2023	2662995X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85161942941&doi=10.1007%2fs42979-023-01861-7&partnerID=40&md5=be28653d8c7bfdb85ca8acf047070ea1

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A transparent self-healable multistimuli-responsive novel supramolecular Co(II)-metallogel derived from adipic acid: Effective hole transport layer for polymer solar cells	Dhibar, Subhendu (57006609800); Dahiya, Hemraj (57220183618); Karmakar, Kripasindhu (57223130345); Kundu, Sandip (55708734400); Bhattacharjee, Subham (55916990400); Nayak, Ganesh Chandra (7004389004); Karmakar, Priya (57868937200); Sharma, Ganesh D. (55549519200); Saha, Bidyut (24459083100)	ECE+PHYSICS	Journal of Molecular Liquids	2023	1677322	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85144362108&doi=10.1016%2fj.molliq.2022.121020&partnerID=40&md5=7106aed3fe89058e0f56b48819082306
Indirect response-based tuning of PID controller with adjustable robustness	Singh, Bipin (57212061456); Verma, Bharat (57201134945); Sharma, Sudeep (57204397789); Padhy, Prabin Kumar (36161270500)	ECE	Transactions of the Institute of Measurement and Control	2023	1423312	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85153494135&doi=10.1177%2f01423312231163035&partnerID=40&md5=b76a89c6bc90bc27fc85e03d278f3af8
Deep learning based spatio-temporal hand gesture recognition system in complex environment	Saboo, Shweta (57222317430); Singha, Joyeeta (56957043200); Laskar, Rabul Hussain (23397200000)	ECE	Expert Systems	2023	2664720	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85153757895&doi=10.1111%2fexsy.13313&partnerID=40&md5=69411121539990b0e93b4cbb7e2874a2
An accurate operational matrix method based on Lagrange polynomials for solving fractional-order pantograph delay and Riccati differential equations	Kumar, Saurabh (57226009195); Gupta, Vikas (57193599494); Kumar, Ajay (58603705100); Gómez-Aguilar, J.F. (55389111400)	MATHEMATICS	Physica Scripta	2023	318949	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85150426729&doi=10.1088%2f1402-4896%2facc0a8&partnerID=40&md5=9227bcfb9145f157f557447736590e84
An improved reconfiguration algorithm for handling 1-point NoC failures	Jain, Anugrah (56021480700); Laxmi, Vijay (27170791000); Gaur, Manoj Singh (11339605200); Sharma, Ashish (57220907116)	CSE	Microprocessors and Microsystems	2023	1419331	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85167464801&doi=10.1016%2fj.micpro.2023.104910&partnerID=40&md5=e933db369727f38d9744b96d3c362e77
Networking Architectures and Protocols for IoT Applications in Smart Cities: Recent Developments and Perspectives	Kanellopoulos, Dimitris (14035977500); Sharma, Varun Kumar (25631241200); Panagiotakopoulos, Theodor (26321954800); Kameas, Achilles (6603112443)	CSE	Electronics (Switzerland)	2023	20799292	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85161831919&doi=10.3390%2felectronics12112490&partnerID=40&md5=43f5eb768d7d51725349f82947ed8fdb

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal
Improved Efficiency in Organic Solar Cells Based on A2-D-A1-D-A2 Nonfullerene Acceptors with a Benzoselenadiazole Core Induced by Higher Dipole Moment and Dielectric Constant	Casanova, Noelia (36628043300); Shankar S, Shyam (58130943400); Gómez-Escalonilla, María J. (6603654478); de la Cruz, Pilar (7004265872); Singhal, Rahul (7202912033); Sharma, Ganesh D. (55549519200); Langa, Fernando (7003596090)	ECE+PHYSICS	ACS Applied Energy Materials	2023	25740962	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85179155258&doi=10.1021%2facsaem.3c02261&partnerID=40&md5=e4d777a557c631d9109157c170b229e0
Investigation and optimization of electro discharge face grinding of monel 400 alloy using response surface methodology and genetic algorithm	Kulshrestha, Akshat Srivastava (57222041886); Unune, Deepak Rajendra (57053446400); Dargar, Ashok Kumar (35368155900)	MME	Sadhana - Academy Proceedings in Engineering Sciences	2023	2562499	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164199330&doi=10.1007%2fs12046-023-02194-0&partnerID=40&md5=64bc5af94add927a06c077aa62e98f52
Regular covariant representations and their Wold-type decomposition	Rohilla, Azad (57913204800); Veerabathiran, Shankar (57201097145); Trivedi, Harsh (55960738100)	MATHEMATICS	Journal of Mathematical Analysis and Applications	2023	0022247X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146311571&doi=10.1016%2fj.jmaa.2022.126997&partnerID=40&md5=e7ad7b182c9e9a76df33126c55acf469
Low voltage high bandwidth FVF current mirror using quasi floating self-cascode output stage	Domala, Narsaiah (57210597833); Sasikala, G. (56548545700); Raj, Nikhil (36024368000)	ECE	Analog Integrated Circuits and Signal Processing	2023	9251030	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85179994551&doi=10.1007%2fs10470-023-02205-4&partnerID=40&md5=347460717c913699e1da76fde840d16b
Psychoacoustic model-driven spectral subtraction for monaural speech enhancement	Upadhyay, Navneet (55584226200)	ECE	International Journal of Speech Technology	2023	13812416	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85176813324&doi=10.1007%2fs10772-023-10062-9&partnerID=40&md5=a6f9f24714fd4132d4fc604f13465b4d
Investigating the Influence of ASAW Process Parameters on Chemical Composition, Mechanical Properties and Corrosion Rate of HSLA Steel Weldments	Singh, Sanjay (55221381700); Kumar, Manoj (58423711200); Singh, Jaivindra (57205519833); Meena, Makkhan Lal (58674317800); Dangayach, Govind Sharan (6602382930); Shukla, Dinesh Kumar (54794442200)	MME	Transactions of the Indian Institute of Metals	2023	9722815	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85159642814&doi=10.1007%2fs12666-023-02945-x&partnerID=40&md5=49e1420f6f6eb9fc17b8816b03e15426

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Application of a novel non-edible oil-based water-in-oil nano-emulsion as a dielectric for the amelioration of electrical discharge machining performance	Jain, Nikhil (55855746800); Jain, Jinesh Kumar (50861370200); Harane, Pravin Pandit (57302930100); Unune, Deepak Rajendra (57053446400)	MME	Journal of the Brazilian Society of Mechanical Sciences and Engineering	2023	16785878	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163278966&doi=10.1007%2fs40430-023-04302-x&partnerID=40&md5=284f62e4fae41de55aec6f81b96d40b
Physical Layer Security of HAPS-Based Space-Air-Ground-Integrated Network with Hybrid FSO/RF Communication	Bankey, Vinay (57200273273); Sharma, Shubha (56593929100); Swaminathan, R. (36998781500); Madhukumar, A.S. (7003877769)	ECE	IEEE Transactions on Aerospace and Electronic Systems	2023	189251	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147200919&doi=10.1109%2fTAES.2023.3233339&partnerID=40&md5=854af7c8cb6a7f3a27d231c731613ce7
All-small-molecule efficient ternary organic solar cells employing a coumarin donor and two fullerene-free acceptors	Sharma, Ganesh D. (55549519200); Pradhan, Rashmirekha (57219058791); Khandelwal, Kanupriya (57226737096); Singhal, Rahul (7202912033); Liu, Wenrui (57203480576); Zhu, Xiaozhang (8911724000); Mishra, Amaresh (55626647800)	ECE+PHYSICS	Journal of Materials Chemistry C	2023	20507534	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146921231&doi=10.1039%2fd2tc05318g&partnerID=40&md5=039e2931aa78c7e8666dbf0bee72fa4f
Advances in layer-by-layer processing for efficient and reliable organic solar cells	Mishra, Amaresh (55626647800); Bhuyan, Nirmala Niharika (57221332601); Xu, Haijun (7407449674); Sharma, Ganesh D. (55549519200)	ECE+PHYSICS	Materials Advances	2023	26335409	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85177462919&doi=10.1039%2fd3ma00754e&partnerID=40&md5=09c7e3fb4e2cecd22d73f0051bae728
Design of a novel mixed interval type-2 fuzzy logic controller for 2-DOF robot manipulator with payload	Kumar, Anupam (57195753455); Raj, Ritu (57189688598); Kumar, Amit (23980392100); Verma, Bharat (57201134945)	ECE	Engineering Applications of Artificial Intelligence	2023	9521976	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85154532135&doi=10.1016%2fj.engappai.2023.106329&partnerID=40&md5=8ef6d6994cfa2e67ca11877d60f4bbcb
Lateral GeSn waveguide-based homojunction phototransistor for next-generation 2000 nm communication and sensing applications	Kumar, Harshvardhan (57203876573); Chen, Qimiao (56640131500); Tan, Chuan Seng (8091686900)	ECE	Semiconductor Science and Technology	2023	2681242	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147142302&doi=10.1088%2f1361-6641%2facb0f5&partnerID=40&md5=6c8c5fff8b3fdc5258747b5a0823c54c
Ambipolar Behavior of a Cu(II)–Porphyrin Derivative in Ternary Organic Solar Cells	Cuesta, Virginia (57190217120); Vartanian, Maida (8905124600); Kumar Singh, Manish (55071555800); Singhal, Rahul (7202912033); de la Cruz, Pilar (7004265872); Sharma, Ganesh D. (55549519200); Langa, Fernando (7003596090)	ECE+PHYSICS	Solar RRL	2023	2367198X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146128949&doi=10.1002%2fsolr.202201046&partnerID=40&md5=d0e57029506ef306c4278cdd934963db

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal
Positive Solutions of Quasilinear Elliptic Equations with Fuchsian Potentials in Wolff Class	Giri, Ratan Kr. (57647881800); Pinchover, Yehuda (6603195061)	MATHEMATICS	Milan Journal of Mathematics	2023	14249286	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147353457&doi=10.1007%2fs00032-023-00377-2&partnerID=40&md5=4beaece5a84fe384087e073a671ea5e9
Structural, optical, and electrical properties of e-beam deposited metamaterials of granular CdSe thin films on glass substrates with a thin buffer layer of HfO ₂ dielectric	Pokhriyal, S. (55792177700); Biswas, S. (25928198700); Prajapati, R. (57190339831)	PHYSICS	Materials Chemistry and Physics	2023	2540584	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85141778187&doi=10.1016%2fj.matchemphys.2022.126950&partnerID=40&md5=0fec11485eaea8fbf57b0be93a215211
CFD Modelling of CO ₂ Absorption in an Aqueous Medium in a Spray Column Scrubber with an Innovative Helical Sparger	Singh, Mandeep (58266836200); Khatri, Kamal Kishore (35751409300); Dargar, Ashok Kumar (35368155900)	MME	Arabian Journal for Science and Engineering	2023	2193567X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85174502236&doi=10.1007%2fs13369-023-08371-x&partnerID=40&md5=035d9fc9117300544628a8c1498d167f
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An almost second-order robust computational technique for singularly perturbed parabolic turning point problem with an interior layer	Sahoo, Sanjay Ku (57219634956); Gupta, Vikas (57193599494)	MATHEMATICS	Mathematics and Computers in Simulation	2023	3784754	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85153220215&doi=10.1016%2fj.matcom.2023.04.012&partnerID=40&md5=2c47cb12e053e83326ec71be69702756
Indoor organic solar cells for low-power IoT devices: recent progress, challenges, and applications	Suthar, Rakesh (57214120760); Dahiya, Hemraj (57220183618); Karak, Supravat (56965016200); Sharma, Ganesh D. (55549519200)	ECE+PHYSICS	Journal of Materials Chemistry C	2023	20507526	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85172280441&doi=10.1039%2fd3tc02570e&partnerID=40&md5=7a0252e75512c6bd4ef67a6be9c1a523
Gaussian mixture model based radio environment mapping for an underlay Device-to-Device network	Sengar, Aditya Singh (56183227800); Gangopadhyay, Ranjan (24775836500); Debnath, Soumitra (55877179500)	ECE	Transactions on Emerging Telecommunications Technologies	2023	21613915	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149271894&doi=10.1002%2fett.4753&partnerID=40&md5=e21f63a36fbfa4407914f9b3f61fb888

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal
Aza-benzannulated-perylenebisimide-porphyrin dyad as an intensely absorbing donor in bulk-heterojunction organic solar cells	Kaushik, Ayushi (57213594598); Bhandary, Subhrajyoti (57189340041); Sharma, Ganesh D. (55549519200); Sankar, Jeyaraman (7005450023)	ECE+PHYSICS	Materials Advances	2023	26335409	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85176788694&doi=10.1039%2fd3ma00610g&partnerID=40&md5=c096d25270c06ebbd9da0821a3edb396
Unraveling the Impact of Thickness on Active Layer Morphology and Device Performance of Semitransparent Organic Solar Cells: A Comprehensive Study	Khandelwal, Kanupriya (57226737096); Shankar S, Shyam (58130943400); Malhotra, Prateek (57208905260); Biswas, Subhayan (14521792500); Panghal, Abhishek (58343692300); Roy, Susanta Sinha (8920880000); Sharma, Ganesh D. (55549519200)	ECE+PHYSICS	ACS Applied Energy Materials	2023	25740962	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85174901375&doi=10.1021%2facsae.3c01685&partnerID=40&md5=0c6911dfd98d19b36a4b5b8bdf88fee4
Towards smart sustainable development through value stream mapping – a systematic literature review	Batwara, Amber (57854406300); Sharma, Vikram (57194859621); Makkar, Mohit (57853968300); Giallanza, Antonio (55928338600)	MME	Heliyon	2023	24058440	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85157998951&doi=10.1016%2fj.heliyon.2023.e15852&partnerID=40&md5=fe180ba267b6b3c9c3aec9d064ba1b4b
On the Exact Closed-Form ABEP Analysis of Downlink NOMA Over mmWave TWDP Fading	Makkar, Rahul (57209877680); Dixit, Dharmendra (55095927000); Rawal, Divyang (55557409000); Sharma, Nikhil (56537555400); Sharma, Sanjeev (57198535285)	ECE	IEEE Communications Letters	2023	10897798	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146233538&doi=10.1109%2fLCOMM.2022.3231255&partnerID=40&md5=123d4d64475b762e64e5385d5bacf074
Achieving High-Efficiency in Binary Organic Solar Cells by the Structural Fine-Tuning of Coumarin-Based Donor	Pradhan, Rashmirekha (57219058791); Khandelwal, Kanupriya (57226737096); Panda, Subhra Jyoti (57914893200); Purohit, Chandra Shekhar (12040184600); Bag, Bhawani Prasad (57218443909); Singhal, Rahul (7202912033); Liu, Wenrui (57203480576); Zhu, Xiaozhang (8911724000); Sharma, Ganesh D. (55549519200); Mishra, Amaresh (55626647800)	ECE+PHYSICS	Solar RRL	2023	2367198X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149705460&doi=10.1002%2fsolr.202300032&partnerID=40&md5=6e6f711307668e92a8df1cc7b0a416b1
Effect of copper, tungsten copper and tungsten carbide tools on micro-electric discharge drilling of Ti-6Al-4V alloy	Sawant, Sachin N. (58110982000); Patil, Sachin K. (55829550200); Unune, Deepak Rajendra (57053446400); Nazare, Prasad (58188795400); Wojciechowski, Szymon (54379404300)	MME	Journal of Materials Research and Technology	2023	22387854	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85152927220&doi=10.1016%2fj.jmrt.2023.04.067&partnerID=40&md5=d435c43cab487c92c70e6282309fcb6a

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DELEGATING SIGNING RIGHTS IN A MULTIVARIATE PROXY SIGNATURE SCHEME	Debnath, Sumit Kumar (56562621700); Choudhury, Tanmay (57216430896); Stănică, Pantelimon (55888650100); Dey, Kunal (57221587543); Kundu, Nibedita (57213166316)	MATHEMATICS	Advances in Mathematics of Communications	2023	19305346	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147576852&doi=10.3934%2famc.2021016&partnerID=40&md5=800957f6ffaca861b0bad6912f0c2d74
Self-powered broadband photodetection enabled by facile CVD-grown MoS ₂ /GaN heterostructures	Liang, Bor-Wei (57209565772); Chang, Wen-Hao (57204618742); Huang, Chun-Sheng (57202438641); Huang, You-Jia (58696012500); Chen, Jyun-Hong (56159056000); Li, Kai-Shin (56107308600); Simbulan, Kristan Bryan (55599318000); Kumar, Harshvardhan (57203876573); Su, Ching-Yuan (35785162700); Kuan, Chieh-Hsiung (7005281443); Lan, Yann-Wen (57224733581)	ECE	Nanoscale	2023	20403364	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85176800290&doi=10.1039%2fd3nr03877g&partnerID=40&md5=9ba4bef399fa3652c1ced1a6bf101d70
Diketopyrrolopyrrole-Coumarin Conjugates for Efficient Binary Organic Solar Cells	More, Kerba S. (57219515613); Mirgane, Harshad A. (57388125300); Shankar S, Shyam (58130943400); Bhuyan, Nirmala Niharika (57221332601); Mishra, Amaresh (55626647800); Bhosale, Sheshanath V. (7004040139); Shrama, Ganesh D. (58553281600)	ECE+PHYSICS	ACS Applied Energy Materials	2023	25740962	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85169018879&doi=10.1021%2facsaem.3c01479&partnerID=40&md5=06ed1fe62222521091f37805d7b92d8e
Facile Approach for Efficient Non-Fullerene-Based Binary and Ternary Organic Solar Cells Using Hydrated Vanadium Pentoxide as a Hole Transport Layer	Dahiya, Hemraj (57220183618); Suthar, Rakesh (57214120760); Singh, Manish Kumar (57223725407); Singhal, Rahul (7202912033); Karak, Supravat (56965016200); Sharma, Ganesh D. (55549519200)	ECE+PHYSICS	ACS Applied Energy Materials	2023	25740962	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149467175&doi=10.1021%2facsaem.2c04156&partnerID=40&md5=f890fb71f5b49d3397feb1a5b617321a
Computational fluid dynamics modelling of primary sludge classification in an activated sludge process based wastewater treatment plant: Simulating the hydrodynamic behaviour and experimental verification of the classification efficiency	Khatri, Narendra (56046733100); Singh, Mandeep (58266836200); Pokhriyal, Sumit (55792177700); Rene, Eldon R. (14523428600)	MME	Chemical Engineering Journal	2023	13858947	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151320309&doi=10.1016%2fj.cej.2023.142475&partnerID=40&md5=6f88cf55999c7fe59a3405c758e57772

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Beurling quotient subspaces for covariant representations of product systems	Rohilla, Azad (57913204800); Trivedi, Harsh (55960738100); Veerabathiran, Shankar (57201097145)	MATHEMATICS	Annals of Functional Analysis	2023	20088752	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85173729907&doi=10.1007%2fs43034-023-00301-0&partnerID=40&md5=72dbca16ac7b4afd52d4bc0e95b0066a
Amelioration of pool boiling performance using hybrid nanofluids over EDMed surfaces	Sharma, Pravin Omprakash (57217533709); Unune, Deepak Rajendra (57053446400)	MME	Journal of Thermal Analysis and Calorimetry	2023	13886150	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146286367&doi=10.1007%2fs10973-022-11922-3&partnerID=40&md5=2f53eb1bdecfac4b590706b3cbc06f77
A new BODIPY dimer containing carbazole group as a small molecule donor for ternary organic solar cells with the PCE up to 14.97%	Li, Pengfei (57210421069); Wang, Yi (57219807160); Chai, Zhiyong (58179149000); Shankar S, Shyam (58130943400); Liang, Xu (55774008200); Xu, Haijun (7407449674); Sharma, Ganesh D. (55549519200)	ECE+PHYSICS	Dyes and Pigments	2023	1437208	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85152240551&doi=10.1016%2fj.dyepig.2023.111297&partnerID=40&md5=4bd6c8e58c7876344309f0580729b95c
Hybrid deep learning model-based human action recognition in indoor environment	Sain, Manoj Kumar (58717504600); Laskar, Rabul Hussain (23397200000); Singha, Joyeeta (56957043200); Saini, Sandeep (56426782900)	ECE	Robotica	2023	2635747	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85174024518&doi=10.1017%2fS0263574723001327&partnerID=40&md5=60a7512ac8182dbd3bf01f1726c886c8
Effects of Halogenation on Cyclopentadithiophenevinylene-Based Acceptors with Excellent Responses in Binary Organic Solar Cells	Guijarro, Fernando G. (54585126300); de la Cruz, Pilar (7004265872); Khandelwal, Kanupriya (57226737096); Singhal, Rahul (7202912033); Langa, Fernando (7003596090); Sharma, Ganesh D. (55549519200)	ECE+PHYSICS	ACS Applied Materials and Interfaces	2023	19448244	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85154073366&doi=10.1021%2facami.3c01487&partnerID=40&md5=dc78fa7e195e7511e31f345c3eda8864
Performance Analysis of Selective DF Cooperative NOMA in Presence of Practical Impairments	Soni, Sandhya (57205555879); Makkar, Rahul (57209877680); Rawal, Divyang (55557409000); Sharma, Nikhil (56537555400)	ECE	IEEE Systems Journal	2023	19328184	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85153352693&doi=10.1109%2fJSYST.2023.3246996&partnerID=40&md5=c4f1302ff776bb18bfe59a2a0279fcb5
A robust uniformly convergent finite difference scheme for the time-fractional singularly perturbed convection-diffusion problem	Sahoo, Sanjay Ku (57219634956); Gupta, Vikas (57193599494)	MATHEMATICS	Computers and Mathematics with Applications	2023	8981221	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149388727&doi=10.1016%2fj.camwa.2023.02.016&partnerID=40&md5=44798c4238d48a56f2dcbc55f1f9fb87

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal
Postcolonial disjuncture: Kashmir as the other in Basharat Peer's Curfewed Night	Pal, Payal (57221595736)	HSS	Journal of Commonwealth Literature	2023	219894	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85102371507&doi=10.1177%2f0021989421989085&partnerID=40&md5=482148cabb0c2b50f3d072817b098f83
High-Performance Lateral Metal-Germanium-Metal SWIR Photodetectors Using a-Si:H Interlayer for Dark Current Reduction	Kumar, Harshvardhan (57203876573); Lin, Chu-Hsuan (14521218300)	ECE	IEEE Photonics Journal	2023	19430655	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147312520&doi=10.1109%2fJPHOT.2023.3236817&partnerID=40&md5=73da03b5733108f49d103a1c1dfd8828
Interference Aware Joint Power Control and Routing Optimization in Multi-UAV FANETs	Mittal, Payal (57766496200); Shah, Santosh (55321138800); Agarwal, Anirudh (56183234800); Mishra, Deepak (57195328785); Debnath, Soumitra (55877179500)	ECE	Ad Hoc Networks	2023	15708705	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85169465843&doi=10.1016%2fj.adhoc.2023.103280&partnerID=40&md5=86e4b08d3404a106014d1283713b3fe9
Optimization of jet impingement heat transfer: A review on advanced techniques and parameters	Barewar, Surendra D. (57204549298); Joshi, Mahesh (57200699035); Sharma, Pravin O. (57217533709); Kalos, Pritam S. (57298524200); Bakhavatchalam, Balaji (57204704114); Chougule, Sandesh S. (56526806900); Habib, Khairul (23034500300); Saha, Sandip K. (58462545200)	MME	Thermal Science and Engineering Progress	2023	24519049	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147541450&doi=10.1016%2fj.tsep.2023.101697&partnerID=40&md5=f40773739b65334f458ece7c09ecd e3c
Generalized filter fans X and the Baireness of Ck(X)	Kumar, Prashant (57216399506); Garg, Pratibha (24461911600)	MATHEMATICS	Topology and its Applications	2023	1668641	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85148663104&doi=10.1016%2fj.topol.2023.108448&partnerID=40&md5=927baf06aff696f050387634e2348a7e
Dithieno[2,3-e:3',2'-g]isoindole-7,9(8H)-Dione and Dithieno[3',2':5,6;2'',3'':7,8]naphtho[2,3-d]imidazol-9(10H)-One-Based Wide Bandgap Copolymer for Efficient Polymer Solar Cells	Keshtov, Mukhamed L. (35445179800); Shikin, Dimitry Y. (57985527700); Khokhlov, Alexei R. (7201745735); Ostapov, Ilya E. (57074065000); Alekseev, Vladimir G. (7202302672); Singh, Manish K. (57223725407); Sharma, Ganesh D. (55549519200)	ECE+PHYSICS	Energy Technology	2023	21944288	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85142881878&doi=10.1002%2fente.202201211&partnerID=40&md5=f46e7d6b81b0809374f8fbb0092876f5
Evolution of cooperation in vehicular cloud assisted networks for ITS services: A hunt game-based approach	Rajput, Nitin Singh (57197365834); Banerjee, Rahul (57189368284); Sanghi, Dheeraj (57205084505); Kalyansundaram, Chitra (58196637200)	CSE	Future Generation Computer Systems	2023	0167739X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85153564886&doi=10.1016%2fj.future.2023.04.013&partnerID=40&md5=c56a7491cfe8c29a1465b28423711113

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A planar four-element modified L-shaped monopolar multiport antenna for sub-6 GHz applications	Porwal, Rahul (58604827600); Rathor, Ajeet Kumar (58604568300); Nair, M.V. Deepak (57217466030); Raj, Nikhil (36024368000)	ECE	AEU - International Journal of Electronics and Communications	2023	14348411	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85171618292&doi=10.1016%2fj.aeue.2023.154865&partnerID=40&md5=e5d3846115022f4a66572a6d40f063a6
Improved breakdown voltage mechanism in AlGaIn/GaN HEMT for RF/Microwave applications: Design and physical insights of dual field plate	Khan, Abdul Naim (57222188228); Bhat, Aasif Mohammad (57215574189); Jena, K. (56485520200); Lenka, Trupti Ranjan (35731935800); Chatterjee, Gaurav (57222190275)	ECE	Microelectronics Reliability	2023	262714	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85161073391&doi=10.1016%2fj.microrel.2023.115036&partnerID=40&md5=84145cf5075d48800e8846333f74bfe9
Self co-articulation removal and hybrid classifier-feature combination for dynamic hand gesture recognition	Saboo, Shweta (57222317430); Singha, Joyeeta (56957043200); Laskar, Rabul Hussain (23397200000)	ECE	Multimedia Tools and Applications	2023	13807501	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85135505861&doi=10.1007%2fs11042-022-13571-y&partnerID=40&md5=e374a4a4941216f6cdcd4d349689598a
Correlation of Functional Coumarin Dye Structure with Molecular Packing and Organic Solar Cells Performance	Pradhan, Rashmirekha (57219058791); Khandelwal, Kanupriya (57226737096); Shankar S., Shyam (58130943400); Panda, Subhra Jyoti (57914893200); Purohit, Chandra Shekhar (12040184600); Bag, Bhawani Prasad (57218443909); Singhal, Rahul (7202912033); Liu, Wenrui (57203480576); Zhu, Xiaozhang (8911724000); Sharma, Ganesh D. (55549519200); Mishra, Amaresh (55626647800)	ECE+PHYSICS	Solar RRL	2023	2367198X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85170050062&doi=10.1002%2fsolr.202300487&partnerID=40&md5=0931a23bb775486a5bb0846e4a681f7d
Performance Analysis and Learning-Assisted Power Control for NOMA Enabled D2D-Cellular Network	Jose, Justin (57213597429); Agarwal, Anirudh (56183234800); Shaik, Parvez (57209213398); Goyal, Vinat (57998663100); Choi, Kwonhwe (58601271000); Bhatia, Vimal (12243715900)	ECE	IEEE Systems Journal	2023	19328184	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85179809893&doi=10.1109%2fjsyst.2023.3331123&partnerID=40&md5=089368d4b7407bd562b4f7d3628ee679
Effective theory for baryogenesis with a Majorana fermion pair coupled to quarks	Gopalakrishna, Shrihari (6701323879); Tibrewala, Rakesh (23989371400)	PHYSICS	Physical Review D	2023	24700010	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163871256&doi=10.1103%2fPhysRevD.107.115029&partnerID=40&md5=ac0918dbd3b6190254172054a918696e

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Machine learning assisted hepta band THz metamaterial absorber for biomedical applications	Jain, Prince (56963300200); Chhabra, Himanshu (57189367005); Chauhan, Urvashi (56611626300); Prakash, Krishna (57210691529); Gupta, Akash (57195514957); Soliman, Mohamed S. (57211633301); Islam, Md. Shabiul (58076315600); Islam, Mohammad Tariqul (55328836300)	ECE	Scientific Reports	2023	20452322	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147152179&doi=10.1038%2fs41598-023-29024-x&partnerID=40&md5=f30767b7a332580a592b7d8f36d79122
Novel Group-IV Alloy-Based MOS Field-Effect Phototransistors for Near-Infrared Applications	Agarwal, Bhavika (58399789000); Kumar, Harshvardhan (57203876573)	ECE	IEEE Sensors Journal	2023	1530437X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163417784&doi=10.1109%2fJSEN.2023.3287880&partnerID=40&md5=01c8b897a30c704d04473d6db2f7b742
Mid-Infrared Photodetectors Based on Lattice Matched SiGeSn/GeSn Heterojunction Bipolar Transistor with an i-GeSn Absorber Layer	Kumar, Harshvardhan (57203876573); Timofeev, Vyacheslav (49962388800); Basu, Rikmantra (35271434600)	ECE	IEEE Sensors Journal	2023	1530437X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85174822619&doi=10.1109%2fJSEN.2023.3319501&partnerID=40&md5=406a55c21bd926d1deae1d8f5b34771
A robust Taguchi combined AHP approach for optimizing AISI 1023 low carbon steel weldments in the SAW process	Shrimali, Ritesh (58198759400); Kumar, Manoj (58423711200); Pandey, Sunil (23012497900); Sharma, Vikram (57194859621); Kaushik, Lokesh (57188826279); Singh, Karan (57688464700)	MME	International Journal on Interactive Design and Manufacturing	2023	19552513	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85153753778&doi=10.1007%2fs12008-023-01307-7&partnerID=40&md5=60487bf3ba836db691a9b2a28d8109b6
Synergistic contribution of potassium sulfide doped with silver nanoparticles on the performance of thin film organic solar cells	Ashagre, Solomon (58114507300); Ogundele, Abiodun Kazeem (57931510400); Ike, Jude N. (57280807100); Gebremichael, Bizuneh (36081595200); Bekele, Mulugeta (6601993847); Sharma, Ganesh D. (55549519200); Mola, Genene Tessema (55507463700)	ECE+PHYSICS	Journal of Physics and Chemistry of Solids	2023	223697	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85148685649&doi=10.1016%2fj.jpics.2023.111290&partnerID=40&md5=8a386e12fe7ec5e64f08d69db747592a
Ternary Organic Solar Cells: Recent Insight on Structure–Processing–Property–Performance Relationships	Suthar, Rakesh (57214120760); Dahiya, Hemraj (57220183618); Karak, Supravat (56965016200); Sharma, Ganesh D (55549519200)	ECE+PHYSICS	Energy Technology	2023	21944288	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85143770674&doi=10.1002%2fente.202201176&partnerID=40&md5=e3fc69d1874f627f598adfc420d124d4

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Conventional to Modern Methods of Soil NPK Sensing: A Review	Dattatreya, Sneha (58752964400); Khan, Abdul Naim (57222188228); Jena, K. (56485520200); Chatterjee, Gaurav (57222190275)	ECE	IEEE Sensors Journal	2023	1530437X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85179037179&doi=10.1109%2fJSEN.2023.3334243&partnerID=40&md5=96e9233ea2ea406783f7f4eb6f3ee9fc
Kinematics of shock waves in a radiating ideal gas containing dust particles	Gupta, Nandita (57225763157); Singh, Mayank (57217005044); Arora, Rajan (8417628700)	MATHEMATICS	Zeitschrift fur Angewandte Mathematik und Physik	2023	442275	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85178238474&doi=10.1007%2fs00033-023-02135-1&partnerID=40&md5=c1c79b7050b51a7285401dad3c189273
Deep Learning for Medical Image Cryptography: A Comprehensive Review	Lata, Kusum (35743015300); Cenkeramaddi, Linga Reddy (15922248600)	ECE	Applied Sciences (Switzerland)	2023	20763417	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85166205413&doi=10.3390%2fapp13148295&partnerID=40&md5=8c1018de9e83ad288cddc4f8925994af
On the usage of epidemiological models for information diffusion over twitter	Sivaraman, Nirmal Kumar (55778827300); Baijal, Shivansh (57219796104); Muthiah, Sakthi Balan (57195286121)	CSE	Social Network Analysis and Mining	2023	18695450	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85174308466&doi=10.1007%2fs13278-023-01130-8&partnerID=40&md5=f7b610cc3d87ac4db576b868f223d3e1
An approach based on fractional-order Lagrange polynomials for the numerical approximation of fractional order non-linear Volterra-Fredholm integro-differential equations	Kumar, Saurabh (57226009195); Gupta, Vikas (57193599494)	MATHEMATICS	Journal of Applied Mathematics and Computing	2023	15985865	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85129386766&doi=10.1007%2fs12190-022-01743-w&partnerID=40&md5=481527c7ecb54f36f3db2877dc787813
Analytical modeling and simulation of lattice-matched Ferro PZT AlGaN/GaN MOSHEMT for high-power and RF/Microwave applications	Khan, Abdul Naim (57222188228); Mishra, S.N. (57202848333); Routray, S. (57191576250); Chatterjee, Gaurav (57222190275); Jena, K. (56485520200)	ECE	Journal of Computational Electronics	2023	15698025	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85148999846&doi=10.1007%2fs10825-023-02024-w&partnerID=40&md5=9b65e026685c60222db03521213c5b58
A REVIEW ON ELECTRICAL DISCHARGE GRINDING: CURRENT STATUS AND FUTURE PERSPECTIVES	Kulshrestha, Akshat Srivastava (57222041886); Mertiya, Abhimanyu Singh (57302930000); Unune, Deepak Rajendra (57053446400); Dargar, Ashok Kumar (35368155900)	MME	Surface Review and Letters	2023	0218625X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85143598249&doi=10.1142%2fS0218625X23300034&partnerID=40&md5=e2566056c8708e7786701e0cc15415ef

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Iterative-processed multiband speech enhancement for suppressing musical sounds	Upadhyay, Navneet (55584226200)	ECE	Multimedia Tools and Applications	2023	13807501	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85174631261&doi=10.1007%2fs11042-023-17336-z&partnerID=40&md5=097b694b9d363bd564383b5aa2dde645
Treatment of clinical laboratory sewage using a decentralized treatment unit and risk reduction for its reuse in irrigation using hybrid disinfection	Shekhawat, Sandeep Singh (57209746806); Saini, Pankaj (57204337825); Upadhyay, Aparna (57858371200); Pareek, Nidhi (35741588300); Arora, Sudipti (14033888900); Gupta, Akhilendra Bhushan (55725545000); Vivekanand, Vivekanand (57211114758)	MME	Journal of Environmental Management	2023	3014797	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85166479452&doi=10.1016%2fj.jenvman.2023.118684&partnerID=40&md5=563ed19341b2bd3f3d78c217bbed99c6
A deep and wide neural network to predict summer monsoon rainfall using time series data	Bajpai, Vikas (37033379900); Bansal, Anukriti (55568270500); Dash, Subrat (13610063100)	CSE	Concurrency and Computation: Practice and Experience	2023	15320626	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146462624&doi=10.1002%2fcpe.7626&partnerID=40&md5=874760d047e863d0424011c92e621562
Harnessing the Structure-Performance Relationships in Designing Non-Fused Ring Acceptors for Organic Solar Cells	Mishra, Amaresh (55626647800); Sharma, Ganesh D. (55549519200)	ECE+PHYSICS	Angewandte Chemie - International Edition	2023	14337851	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149321637&doi=10.1002%2fanie.202219245&partnerID=40&md5=d30d1a9a6ec0a74270cb5dfd61f4fea3
Partition and Pluralism: Perceiving Epistemic Terrains of Hope and Resilience in Divided by Partition, United by Resilience – 21 Inspirational Stories from 1947	Karmakar, Goutam (57192940557); Pal, Payel (57221595736)	HSS	SARE	2023	0127046X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85171269401&doi=10.22452%2fsare.vol60no1.5&partnerID=40&md5=7787cb27ab4cb337d8752ed8bc0ce4fb
Self-assembled Ag-modified multigranular chromium oxide nanocomposite particles in half-metallic CrO2 configuration for efficient room temperature magnetoresistance	Dwivedi, Sudhanshu (55263049300); Biswas, Somnath (25928198700)	PHYSICS	Nano-Structures and Nano-Objects	2023	2352507X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85175644921&doi=10.1016%2fj.nanoso.2023.101057&partnerID=40&md5=00a2dde4148203dbd51db6cf9b7fc747

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Corrigendum to "Improvement of charge mobility and photovoltaic performance of small molecule oligothiophene donors through self-assembly" [Dyes Pigments (2022) 207 110718] (Dyes and Pigments (2022) 207, (S0143720822006404), (10.1016/j.dyepig.2022.110718))	Gupta, Akhil (55628527565); Ali, Salman (57211958761); Jameel, Mohammed A. (57191874102); Evans, Richard A. (55713647400); Kaur, Navneet (58034855500); Sharma, Ganesh D. (55549519200); Li, Jing-Liang (36080189300)	ECE+PHYSICS	Dyes and Pigments	2023	1437208	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151271117&doi=10.1016%2fj.dyepig.2023.111280&partnerID=40&md5=e414bdb1f29e348aaf7dcc4e82309493
PSMECS: A provably secure ID-based communication in mobile edge computing	Dharminder, Dharminder (57210165312); Mishra, Dheerendra (57211415687)	MATHEMATICS	International Journal of Communication Systems	2023	10745351	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85069662814&doi=10.1002%2fdac.4116&partnerID=40&md5=b38e44d26dfbc4107c89ae44c2f3b69
Mul-IBS: a multivariate identity-based signature scheme compatible with IoT-based NDN architecture	Debnath, Sumit Kumar (56562621700); Mesnager, Sihem (15760139600); Srivastava, Vikas (57351589400); Pal, Saibal Kumar (26639586800); Kundu, Nibedita (57213166316)	MATHEMATICS	Journal of Cryptographic Engineering	2023	21908508	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85145859678&doi=10.1007%2fs13389-022-00308-8&partnerID=40&md5=011d07a292cfd1c90b36b275894b878e
An artificial neural network model for the prediction of performance and emission parameters of a CI engine-operated micro-tri-generation system fueled with diesel, Karanja oil, and Karanja biodiesel	Kishore Khatri, Kamal (35751409300); Singh, Mandeep (58266836200); Khatri, Narendra (56046733100)	MME	Fuel	2023	162361	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85142306428&doi=10.1016%2fj.fuel.2022.126549&partnerID=40&md5=43f6337d641ae19a967df3177501b3c0
Evaluating the performance of electrical discharge face grinding on super alloy monel 400	Kulshrestha, Akshat Srivastava (57222041886); Haldar, Barun (57201887273); Unune, Deepak Rajendra (57053446400); Dargar, Ashok Kumar (35368155900)	MME	Materials Research Express	2023	20531591	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85175298530&doi=10.1088%2f2053-1591%2facfb5e&partnerID=40&md5=03b662e488cc2ec4bc6686cda1a9ada5
Simple and Efficient Acceptor-Donor-Acceptor-Type Non-fullerene Acceptors for a BODIPY-Thiophene-Backboned Polymer Donor for High-Performance Indoor Photovoltaics	Rajagopalan, Raman (58131282900); Shankar S, Shyam (58130943400); Balasubramanian, Natarajan (58130834900); Sharma, Ganesh D. (55549519200)	ECE+PHYSICS	ACS Applied Materials and Interfaces	2023	19448244	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149474066&doi=10.1021%2facami.2c23048&partnerID=40&md5=58837a632cb9645b76bb8c3226f58c5f

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FPGA-Based PUF Designs: A Comprehensive Review and Comparative Analysis	Lata, Kusum (35743015300); Cenkeramaddi, Linga Reddy (15922248600)	ECE	Cryptography	2023	2410387X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85180689490&doi=10.3390%2fcryptography7040055&partnerID=40&md5=7fcb09ec6d3aef9219f8572951c93713
Decentralizing Commercial Property Registration and Bidding Process with Smart Contracts	Lavana, Susmit (58542531000); Mishra, Aditi (58542042200); Sharma, Abhishek (57221739454); Jain, Prateek (57195251929)	ECE	SN Computer Science	2023	2662995X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85168390377&doi=10.1007%2fs42979-023-02087-3&partnerID=40&md5=a02067b3bf157c239957bc20789bb197
CMT-SCTP and MPTCP Multipath Transport Protocols: A Comprehensive Review	Tomar, Parul (57192096929); Kumar, Gyanendra (57208700723); Verma, Lal Pratap (57193266751); Sharma, Varun Kumar (25631241200); Kanellopoulos, Dimitris (14035977500); Rawat, Sur Singh (57216740627); Alotaibi, Youseef (55395786100)	CSE	Electronics (Switzerland)	2022	20799292	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85136811254&doi=10.3390%2felectronics11152384&partnerID=40&md5=f4d40cd6fe8c33e0cd52c0b05542b9d1
A Pairing-Free Certificateless Searchable Public Key Encryption Scheme for Industrial Internet of Things	Liu, Xiaoguang (57202785872); Dong, Hao (57359858200); Kumari, Neha (57311316000); Kar, Jayaprakash (36561566000)	CSE	IEEE Access	2023	21693536	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85162667635&doi=10.1109%2fACCESS.2023.3285114&partnerID=40&md5=a432cc6b7180bf17f24a3f2b540ff2d0
Performance analysis of least reliable symbol based ordered successive interference cancelation detection method for uplink NOMA	Makkar, Rahul (57209877680); Rawal, Divyang (55557409000); Sharma, Nikhil (56537555400); Gupta, Akash (57195514957)	ECE	International Journal of Communication Systems	2022	10745351	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85136845147&doi=10.1002%2fdac.5333&partnerID=40&md5=daf77e63b058d581b6c5f1640ff90e32
Obfuscated AES cryptosystem for secure medical imaging systems in IoMT edge devices	Chhabra, Surbhi (57192687700); Lata, Kusum (35743015300)	ECE	Health and Technology	2022	21907188	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85135825966&doi=10.1007%2fs12553-022-00686-3&partnerID=40&md5=c02acdf7dc62bd2a2435a34cba7a0aa
Bulk heterojunction organic photovoltaic cells based on D-A type BODIPY small molecules as non-fullerene acceptors	Wei, Ting (57882335800); Dahiya, Hemraj (57220183618); Liang, Xu (55774008200); Zhu, Weihua (57015880200); Pandey, Sarvesh Kumar (57204434951); Singh, Manish Kumar (57223725407); Xu, Haijun (7407449674); Sharma, Ganesh D. (55549519200)	ECE+PHYSICS	Journal of Materials Chemistry C	2022	20507534	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85137619696&doi=10.1039%2fd2tc02497g&partnerID=40&md5=61426556df6c68751134e838fc178b05

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Outage probability minimization based power control and channel allocation in underlay D2D-NOMA for IoT networks	Jose, Justin (57213597429); Agarwal, Anirudh (56183234800); Bhatia, Vimal (12243715900); Krejcar, Ondrej (14719632500)	ECE	Transactions on Emerging Telecommunications Technologies	2022	21613915	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85131307616&doi=10.1002%2fett.4568&partnerID=40&md5=f9406c431a9bee0f02b6f9584fb77bad
A detailed review on the performance of photovoltaic/thermal system using various cooling methods	Pathak, Sudhir Kumar (57221807296); Sharma, Pravin Omprakash (57217533709); Goel, Varun (57892187100); Bhattacharyya, Suvanjan (7402157199); Aybar, Hikmet Ş. (6602741347); Meyer, Josua P. (7406101417)	MME	Sustainable Energy Technologies and Assessments	2022	22131388	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85121930554&doi=10.1016%2fj.seta.2021.101844&partnerID=40&md5=cf2c55f8700eb6f54146196b1552c791
Hardware obfuscation of AES IP core using combinational hardware Trojan circuit for secure data transmission in IoT applications	Chhabra, Surbhi (57192687700); Lata, Kusum (35743015300)	ECE	Concurrency and Computation: Practice and Experience	2022	15320626	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85129626173&doi=10.1002%2fcpe.7058&partnerID=40&md5=4919a35f62bf8009e8072ab40d425703
Effect of SAW electrode wire preheating current on its melting rate and weldment properties of HSLA steel joint	Singh, Sanjay (55221381700); Kumar, Manoj (58423711200); Singh, Jaivindra (57205519833); Meena, Makkhan Lal (55968018500); Dangayach, Govind Sharan (6602382930); Shukla, Dinesh Kumar (54794442200); Khandelwal, Chandni (57211502697); Kumar, Himansh (56672424400)	MME	Advances in Materials and Processing Technologies	2023	2374068X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85171650793&doi=10.1080%2f2374068X.2023.2250147&partnerID=40&md5=6c5504a939dabf9df60b903a4393d0dd
Wide-Bandgap Donor–Acceptor Copolymer Based on BDTTz Donor and TPD Acceptor for Polymer Solar Cells Using Fullerene and Nonfullerene Acceptors	Keshtov, Muhammed L. (35445179800); Konstantinov, Igor O. (57197804496); Godovsky, Dimitri Y. (6603364159); Ostapov, Ilya E. (57074065000); Alekseev, Vladimir G. (7202302672); Agrawal, Anupam (57213001843); Dahiya, Hemraj (57220183618); Sharma, Ganesh D. (55549519200)	ECE+PHYSICS	Energy Technology	2022	21944288	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85131908874&doi=10.1002%2fente.202200215&partnerID=40&md5=56dfb53242835613affd3b59955a0011
A note on an enhanced dynamic authentication scheme for mobile satellite communication systems	Kumar, Uddeshaya (57213057877); Garg, Manish (57197593432)	MATHEMATICS	International Journal of Satellite Communications and Networking	2022	15420973	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85128166452&doi=10.1002%2fsat.1443&partnerID=40&md5=93a830bfe682d4bd72e61b6a66ab8f3b

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Privacy-Enabling Framework for Cloud-Assisted Digital Healthcare Industry	Ansari, Aman Ahmad (57216610476); Mishra, Bharavi (57210470615); Gera, Poonam (36561408900); Khan, Muhammad Khurram (58203013200); Chakraborty, Chinmay (7005340424); Mishra, Dheerendra (57211415687)	MATHEMATICS	IEEE Transactions on Industrial Informatics	2022	15513203	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85129377456&doi=10.1109%2fTII.2022.3170148&partnerID=40&md5=1ed79a177d64d2f3cd0129f2c96fe33f
Digital Design of DWPT Technique on FPGA for Power System Harmonics Estimation	Baraskar, Savita (57191959505); Tiwari, Vinay K. (57188725596)	ECE	Journal of Electrical Engineering and Technology	2022	19750102	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85130195842&doi=10.1007%2fs42835-022-01103-5&partnerID=40&md5=da691de8d2b6805448aa88abadd792f2
An open patch generator based fingerprint presentation attack detection using generative adversarial network	Rai, Anuj (57224965965); Anshul, Ashutosh (58724644100); Jha, Ashwini (57221126490); Jain, Prayag (58314127100); Sharma, Ram Prakash (57199508052); Dey, Somnath (23396629800)	CSE	Multimedia Tools and Applications	2023	13807501	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85168575197&doi=10.1007%2fs11042-023-16503-6&partnerID=40&md5=f87d68a598d94093b96fdad71ff0e3cf
Augmentation of pool boiling performance using Ag/ZnO hybrid nanofluid over EDM assisted robust heater surface modification	Sharma, Pravin Omprakash (57217533709); Unune, Deepak Rajendra (57053446400)	MME	Colloids and Surfaces A: Physicochemical and Engineering Aspects	2022	9277757	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85144333215&doi=10.1016%2fj.colsurfa.2022.130150&partnerID=40&md5=02a03a96aaff4b0ffc7640e6b1f27f60
A MESH ADAPTATION ALGORITHM USING NEW MONITOR AND ESTIMATOR FUNCTION FOR DISCONTINUOUS AND LAYERED SOLUTION	Mishra, Prabhat (57382561900); Gupta, Vikas (57193599494); Dubey, Ritesh Kumar (8579719900)	MATHEMATICS	Numerical Algebra, Control and Optimization	2022	21553289	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85133371934&doi=10.3934%2fnaco.2021029&partnerID=40&md5=3a3b042e769f85f061df087261aa5793
Resource saving by optimization and machining environments for sustainable manufacturing: A review and future prospects	Pimenov, Danil Yu (53985024000); Mia, Mozammel (57188982494); Gupta, Munish K. (57072254700); Machado, Álisson R. (7201480853); Pintaude, Giuseppe (56055212700); Unune, Deepak Rajendra (57053446400); Khanna, Navneet (55642814700); Khan, Aqib Mashood (57200499419); Tomaz, Ítalo (57191973705); Wojciechowski, Szymon (54379404300); Kuntoğlu, Mustafa (57206668115)	MME	Renewable and Sustainable Energy Reviews	2022	13640321	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85132754832&doi=10.1016%2fj.rser.2022.112660&partnerID=40&md5=70aa164e2332721053544d71a1ebe013

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Recent Trends in AI-Based Intelligent Sensing	Sharma, Abhishek (57221739454); Sharma, Vaidehi (57216892661); Jaiswal, Mohita (57205437039); Wang, Hwang-Cheng (14057407400); Jayakody, Dushantha Nalin K. (37035962700); Basnayaka, Chathuranga M. Wijerathna (57218680308); Muthanna, Ammar (56121861000)	ECE	Electronics (Switzerland)	2022	20799292	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85130820769&doi=10.3390%2felectronics11101661&partnerID=40&md5=e94c3fcac3f9b62e3ff8046bb8902dba
New Wide Bandgap Conjugated D-A Copolymers Based on BDT or NDT Donor Unit and Anthra[1,2-b:4,3,b':6,7-c'']trithiophene-8-12-dione Acceptor for Fullerene-Free Polymer Solar Cells	Keshtov, Mukhamed L. (35445179800); Konstantinov, Igor O. (57197804496); Khokhlov, Alexie R. (7201745735); Ostapov, Ilya E. (57074065000); Godovsky, Dimitri Y. (6603364159); Alekseev, Vladimir G. (7202302672); Zou, Yingping (8702636800); Singhal, Rahul (7202912033); Singh, Manish Kumar (57223725407); Sharma, Ganesh D. (55549519200)	ECE+PHYSICS	Macromolecular Chemistry and Physics	2022	10221352	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85135248817&doi=10.1002%2fmacp.202200168&partnerID=40&md5=34af9038443f6c58ee195fe28c7b7120
A construction of post quantum secure and signal leakage resistant authenticated key agreement protocol for mobile communication	Kumar, Uddeshaya (57213057877); Garg, Manish (57197593432); Kumari, Saru (48361454000); Dharminder, Dharminder (57210165312)	MATHEMATICS	Transactions on Emerging Telecommunications Technologies	2023	21613915	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85139481950&doi=10.1002%2fett.4660&partnerID=40&md5=1cf0ae9dedbc10a9bcbf6152156c17a5
Dynamic Load Balancing Techniques in the IoT: A Review	Kanellopoulos, Dimitris (14035977500); Sharma, Varun Kumar (25631241200)	CSE	Symmetry	2022	20738994	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85144887670&doi=10.3390%2fsym14122554&partnerID=40&md5=bf8ee12cb644e4b5f50ff87e81f39cc6
Microstructure and mechanical properties of GMAW clad AA 6063 using friction stir processing as a post-processing technique	Singhal, Tejendra Singh (57218384701); Jain, Jinesh Kumar (50861370200); Kumar, Manoj (58423711200); Sunil, B.D.Y. (57217039793); Bhojak, Vishal (57222734567); Saxena, Kuldeep Kumar (34974741700); Prakash, Chander (56720902200)	MME	Advances in Materials and Processing Technologies	2023	2374068X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85159900094&doi=10.1080%2f2374068X.2023.2216420&partnerID=40&md5=ddd7f8a0d45089055790946c6973ef8

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Performance analysis of non-orthogonal multiple access assisted cooperative maritime communication system over two-wave with diffuse power fading	Makkar, Rahul (57209877680); Soni, Sandhya (57205555879); Rawal, Divyang (55557409000); Sharma, Nikhil (56537555400); Garg, Parul (35611464600)	ECE	Transactions on Emerging Telecommunications Technologies	2022	21613915	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85126358155&doi=10.1002%2fett.4477&partnerID=40&md5=cf96a4933d223cdd9e56d74b9bcd4878
Learning cricket strokes from spatial and motion visual word sequences	Gupta, Arpan (57209589382); Muthiah, Sakthi Balan (57195286121)	CSE	Multimedia Tools and Applications	2023	13807501	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85131805464&doi=10.1007%2fs11042-022-13307-y&partnerID=40&md5=21d5317c4995a6c276c048cea95cc37c
Quantum secure privacy preserving technique to obtain the intersection of two datasets for contact tracing	Debnath, Sumit Kumar (56562621700); Srivastava, Vikas (57351589400); Mohanty, Tapaswini (57473577800); Kundu, Nibedita (57213166316); Sakurai, Kouichi (7402174117)	MATHEMATICS	Journal of Information Security and Applications	2022	22142134	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85125564114&doi=10.1016%2fj.jisa.2022.103127&partnerID=40&md5=e8a97dd8048698d19d1182ed1b879d31
Closed-loop identification of stable and unstable processes with time-delay	Sharma, Sudeep (57204397789); Verma, Bharat (57201134945); Padhy, Prabin K. (36161270500)	ECE	Journal of the Franklin Institute	2022	160032	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85127343562&doi=10.1016%2fj.jfranklin.2022.03.006&partnerID=40&md5=45ff79ff8c6a8e9fb1330bd53cae9295
Hardware Obfuscation of AES IP Core Using PUFs and PRNG: A Secure Cryptographic Key Generation Solution for Internet-of-Things Applications	Chhabra, Surbhi (57192687700); Lata, Kusum (35743015300)	ECE	SN Computer Science	2022	2662995X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85130754684&doi=10.1007%2fs42979-022-01194-x&partnerID=40&md5=9c70841af31c8fd9604227d707839d0d
p-doping the interfacial layers with tetrakis(pentafluorophenyl)borate improves the power conversion efficiencies in single-crystal perovskite solar cells	Kuo, Chien-Chen (57210474927); Sharma, Ganesh D. (55549519200); Chen, Fang-Chung (35290703500)	ECE+PHYSICS	Surfaces and Interfaces	2022	24680230	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85127211401&doi=10.1016%2fj.surfin.2022.101858&partnerID=40&md5=4853dbb9f6c84eb04fc4f82c02269984
Electroosmotic flow of a rheological fluid in non-uniform micro-vessels	Maiti, S. (57205017035); Pandey, S.K. (7402453281); Misra, J.C. (35567719300)	MME	Journal of Engineering Mathematics	2022	220833	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85135763859&doi=10.1007%2fs10665-022-10234-7&partnerID=40&md5=740784e59176d83b2ae168baa52e6d5d

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Improvement of charge mobility and photovoltaic performance of small molecule oligothiophene donors through self-assembly	Gupta, Akhil (55628527565); Ali, Salman (57211958761); Jameel, Mohammed A. (57191874102); Evans, Richard A. (55713647400); Kaur, Navneet (58034855500); Sharma, Ganesh D. (55549519200); Li, Jing-Liang (36080189300)	ECE+PHYSICS	Dyes and Pigments	2022	1437208	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85137714072&doi=10.1016%2fj.dyepig.2022.110718&partnerID=40&md5=5d1bd3ee96a688acb39a628217ce7de6
Low voltage high gain flipped voltage follower based operational transconductance amplifier	Durgam, Rajesh (57449147400); Tamil, S. (57256746900); Raj, Nikhil (36024368000)	ECE	International Journal of Information Technology (Singapore)	2022	25112104	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85124759338&doi=10.1007%2fs41870-022-00883-3&partnerID=40&md5=53fd6b7ed144246ab429cc82bc352f43
FOESG: anonymous session key agreement protocol for fog assisted smart grid communication	Mishra, Dheerendra (57211415687); Rana, Saurabh (57213163897); Goyal, Chirag (58195477100); Singh, Gagandeep (57220168125)	MATHEMATICS	International Journal of Ad Hoc and Ubiquitous Computing	2023	17438225	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85153526305&doi=10.1504%2fIJAHUC.2023.129388&partnerID=40&md5=6f1cacc40a040cd4796b1c12588b1b7f
DB-CMT: A New Concurrent Multi-path Stream Control Transport Protocol	Verma, Lal Pratap (57193266751); Sharma, Varun Kumar (25631241200); Kumar, Mahesh (55367393200); Kanellopoulos, Dimitris (14035977500); Mahanti, Aniket (19640237200)	CSE	Journal of Network and Systems Management	2022	10647570	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85135468977&doi=10.1007%2fs10922-022-09677-1&partnerID=40&md5=e795207e220c6c3714ae2791567a9393
Efficient Ternary Polymer Solar Cells Employing Well Matched Medium Band Gap and Narrow Band Gap Nonfullerene Acceptors	Sharma, Ganesh D. (55549519200); Dahiya, Hemraj (57220183618); Singh, Manish Kumar (57223725407); Li, Pengfei (57210421069); Chayal, Giriraj (57481819100); Xu, Haijun (7407449674)	ECE+PHYSICS	ACS Applied Energy Materials	2022	25740962	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85132043153&doi=10.1021%2facsaem.2c01320&partnerID=40&md5=71a99ec91527662252f221d70e3e4a6e
An adaptive multi-path data transfer approach for MP-TCP	Verma, Lal Pratap (57193266751); Sharma, Varun Kumar (25631241200); Kumar, Mahesh (55367393200); Mahanti, Aniket (19640237200)	CSE	Wireless Networks	2022	10220038	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85128472456&doi=10.1007%2fs11276-022-02958-2&partnerID=40&md5=6d6e0c254c8d8d13b31cfa2900b5fc6
Organic bulk heterojunction enabled with nanocapsules of hydrate vanadium pentaoxide layer for high responsivity self-powered photodetector	Dahiya, Hemraj (57220183618); Agrawal, Anupam (57213001843); Sharma, Ganesh D. (55549519200); Singh, Abhishek Kumar (57212846210)	ECE+PHYSICS	Journal of Semiconductors	2022	16744926	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85139592301&doi=10.1088%2f1674-4926%2f43%2f9%2f092302&partnerID=40&md5=c346e3d0bc2b09c5edf18be81685b111

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Higher order robust numerical computation for singularly perturbed problem involving discontinuous convective and source term	Sahoo, Sanjay Ku (57219634956); Gupta, Vikas (57193599494)	MATHEMATICS	Mathematical Methods in the Applied Sciences	2022	1704214	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85122793410&doi=10.1002%2fmma.8077&partnerID=40&md5=a0b3066b2773811303af14e2cdede50e
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A novel multi-hop routing structure for throughput maximization in unmanned aerial vehicle assisted flying ad-hoc networks	Mittal, Payal (57766496200); Shah, Santosh (55321138800); Agarwal, Anirudh (56183234800)	ECE	Transactions on Emerging Telecommunications Technologies	2022	21613915	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85132941266&doi=10.1002%2fett.4575&partnerID=40&md5=14ccd81b7842140a577a703d1f48208f
Active Discovery of Donor:Acceptor Combinations for Efficient Organic Solar Cells	Malhotra, Prateek (57208905260); Verduzco, Juan C. (57219786546); Biswas, Subhayan (14521792500); Sharma, Ganesh D. (55549519200)	ECE+PHYSICS	ACS Applied Materials and Interfaces	2022	19448244	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85143637436&doi=10.1021%2facami.2c18540&partnerID=40&md5=e135b1650864d910e08282e3cc179643
RF/Analog and Linearity Performance Evaluation of Lattice-matched Ultra-thin AlGaIn/GaN Gate Recessed MOSHEMT with Silicon Substrate	Khan, Abdul Naim (57222188228); Jena, K. (56485520200); Routray, S. (57191576250); Chatterjee, G. (57222190275)	ECE	Silicon	2022	1876990X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85122795351&doi=10.1007%2fs12633-021-01605-3&partnerID=40&md5=bf4c4388f52c159cb8fa53448a1a6a0e
A model-based approach to user preference discovery in multi-criteria recommender system using genetic programming	Gupta, Shweta (55781518700); Kant, Vibhor (54795522000)	CSE	Concurrency and Computation: Practice and Experience	2022	15320626	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85125201914&doi=10.1002%2fcpe.6899&partnerID=40&md5=6e3dc511b6c818a400b04560459fc71e

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal
Comparative study of SAW and ASAW process on ASTM A709 Grade 36 steel welds	Bihari Singh, Alok (58072544600); Singh, Sanjay (55221381700); Sharan Dangayach, Govind (58072796100); Lal Meena, Makkhan (57223366954); Kumar, Manoj (58423711200)	MME	Materials Today: Proceedings	2023	22147853	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146577043&doi=10.1016%2fj.matpr.2023.01.052&partnerID=40&md5=fe07e6229459f4bcff15008501fec464
Thermal based surface modification techniques for enhancing the corrosion and wear resistance of metallic implants: A review	Unune, Deepak Rajendra (57053446400); Brown, Georgina R. (57773524600); Reilly, Gwendolen C. (7004663748)	MME	Vacuum	2022	0042207X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85133174266&doi=10.1016%2fj.vacuum.2022.111298&partnerID=40&md5=d99ea2cbb9a35c22e2eee20daa37d04c
Single junction binary and ternary polymer solar cells-based D-A structured copolymer with low lying HOMO energy level and two nonfullerene acceptors	Keshtov, Mukhamed L. (35445179800); Godovsky, Dmitry Y. (6603364159); Ostapov, Ilya E. (57074065000); Alekseev, Vladimir G. (7202302672); Dahiya, Hemraj (57220183618); Singhal, Rahul (7202912033); Chen, Fang-Chung (35290703500); Sharma, Ganesh D. (55549519200)	ECE+PHYSICS	Molecular Systems Design and Engineering	2022	20589689	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85141014052&doi=10.1039%2fd2me00166g&partnerID=40&md5=696d31b4648a5f9841c912ee24d49c17
A Dynamic Time Warping Based Method to Synchronize Spectral and Protocol Domains for Troubleshooting Wireless Communication	Jain, Vineeta (57192383221); Fokow, Vladimir (58400481500); Wicht, Jakob (57454832800); Wetzker, Ulf (56026948400)	CSE	IEEE Access	2023	21693536	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163476474&doi=10.1109%2fACCESS.2023.3289305&partnerID=40&md5=e14c9e2398c9dba780690abd3630d7d0
New wide band gap π -conjugated copolymers based on anthra[1,2-b:4,3-b':6,7-c''] trithiophene-8,12-dione for high performance non-fullerene polymer solar cells with an efficiency of 15.07 %	Keshtov, Mukhamed L. (35445179800); Konstantinov, Igor O. (57197804496); Khokhlov, Alexei R. (7201745735); Kuklin, Sergei A. (6603150959); Alekseev, Vladimir G. (7202302672); Ostapov, Ilya E. (57074065000); Zou, Yingping (8702636800); Singhal, Rahul (7202912033); Dahiya, Hemraj (57220183618); Sharma, Ganesh D. (55549519200)	ECE+PHYSICS	Polymer	2022	323861	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85129736219&doi=10.1016%2fj.polymer.2022.124892&partnerID=40&md5=145fbc29fd7c0c2991b1422a99ead0ab
Integral-Square-Error Based Normalized Relative Gain Array for the Input-Output Pairing and Equivalent Transfer Function Design of MIMO Processes	Verma, Bharat (57201134945); Padhy, Prabin Kumar (36161270500)	ECE	IETE Journal of Research	2023	3772063	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85116924765&doi=10.1080%2f03772063.2021.1984996&partnerID=40&md5=3781ba0c242be3cf1a929751bfa229d1

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Squaraine-fullerene conjugate for single component organic solar cells	Rao, Ravulakollu Srinivasa (57208512947); Rao, G. Hanumantha (56428359500); Sharma, Ganesh D. (55549519200); Singh, Surya Prakash (56595731100)	ECE+PHYSICS	Optical Materials	2022	9253467	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85142142177&doi=10.1016%2fj.optmat.2022.113230&partnerID=40&md5=885f3464907fd2e0ef551c584b60d0d4
A novel Delay-based Adaptive Congestion Control TCP variant	Verma, Lal Pratap (57193266751); Sharma, Varun Kumar (25631241200); Kumar, Mahesh (55367393200); Kanellopoulos, Dimitris (14035977500)	CSE	Computers and Electrical Engineering	2022	457906	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85133917979&doi=10.1016%2fj.compeleceng.2022.108076&partnerID=40&md5=f9c4dca5f46fbd8779fbeb9ae0c0c713
An efficient operational matrix technique to solve the fractional order non-local boundary value problems	Kumar, Saurabh (57226009195); Gupta, Vikas (57193599494); Gómez-Aguilar, J.F. (55389111400)	MATHEMATICS	Journal of Mathematical Chemistry	2022	2599791	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85131855240&doi=10.1007%2fs10910-022-01368-1&partnerID=40&md5=6499bc9cf1dbfada2452fd6328aa8077
Primal Hybrid Method For Quasilinear Parabolic Problems	Shokeen, Ravina (57365605000); Patel, Ajit (55449661500); Pani, Amiya K. (7006813443)	MATHEMATICS	Journal of Scientific Computing	2022	8857474	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85130997870&doi=10.1007%2fs10915-022-01858-z&partnerID=40&md5=873bf39cb76a7356503a4885ebe5b038
Power controlled outage-aware optimal protocol for NOMA-assisted underlay D2D networks	Jose, Justin (57213597429); Agarwal, Anirudh (56183234800); Krejcar, Ondrej (14719632500); Bhatia, Vimal (12243715900)	ECE	AEU - International Journal of Electronics and Communications	2022	14348411	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85138457310&doi=10.1016%2fj.aeue.2022.154418&partnerID=40&md5=130fb73a6c0c644b99099ca953c854e5
Opportunities and challenges for machine learning to select combination of donor and acceptor materials for efficient organic solar cells	Malhotra, Prateek (57208905260); Khandelwal, Kanupriya (57226737096); Biswas, Subhayan (14521792500); Chen, Fang-Chung (35290703500); Sharma, Ganesh D. (55549519200)	ECE+PHYSICS	Journal of Materials Chemistry C	2022	20507534	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85142355381&doi=10.1039%2fd2tc03276g&partnerID=40&md5=5d4e4de63975e178b9d627e504603d29
On the higher-order nonlinearity of a new class of biquadratic Maiorana–McFarland type bent functions	Saini, Kezia (57561882300); Garg, Manish (57197593432)	MATHEMATICS	Applicable Algebra in Engineering, Communications and Computing	2023	9381279	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160837064&doi=10.1007%2fs00200-023-00611-9&partnerID=40&md5=127a41db18347562e26fe6beb76b96ea
Conditional Generative Adversarial Network Model for Conversion of 2 Dimensional Radiographs into 3 Dimensional Views	Pradhan, Nitesh (57211158424); Dhaka, Vijaypal Singh (56529427100); Rani, Geeta (57201258802); Pradhan, Vivek (58549014200); Vocaturo, Eugenio (57188803544); Zumpano, Ester (6601916208)	CSE	IEEE Access	2023	21693536	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85168747263&doi=10.1109%2fACCESS.2023.3307198&partnerID=40&md5=d2f93fc817fb854d19c72b3ee392633e

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Edge device based Military Vehicle Detection and Classification from UAV	Gupta, Priyanka (58628347600); Pareek, Bhavya (57213687684); Singal, Gaurav (56892765700); Rao, D. Vijay (56099050800)	CCE	Multimedia Tools and Applications	2022	13807501	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85111083451&doi=10.1007%2fs11042-021-11242-y&partnerID=40&md5=011094509ce56ea08cbbaa6b54bef05e
Material independent effectiveness of workpiece vibration in μ -EDM drilling	Singh, Siddhartha Kumar (57216140125); Mali, Harlal Singh (57170351600); Unune, Deepak Rajendra (57053446400); Abdul-Rani, Ahmad Majdi (57225177340); Wojciechowski, Szymon (54379404300)	MME	Journal of Materials Research and Technology	2022	22387854	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85126957072&doi=10.1016%2fj.jmrt.2022.02.063&partnerID=40&md5=dc6fe3b2e60592dd4a682d28564849b7
EPPDP: An Efficient Privacy-Preserving Data Possession With Provable Security in Cloud Storage	Dhakad, Nandini (57609135400); Kar, Jayaprakash (36561566000)	CSE	IEEE Systems Journal	2022	19328184	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85128670139&doi=10.1109%2fjsyst.2022.3159847&partnerID=40&md5=5dc2033ef825c0d54ab3adfeee94b607
Quality factor enhanced plasmonic grating sensor in the near infrared region of application	Pandey, Ankit Kumar (57192710700); Kumar, Harshvardhan (57203876573)	ECE	Optical and Quantum Electronics	2023	3068919	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85143687438&doi=10.1007%2fs11082-022-04327-x&partnerID=40&md5=8546678c9a2b151dc9349e25f3abedba
Low energy loss (0.42 eV) and efficiency over 15% enabled by non-fullerene acceptors containing N-bis(trifluoromethyl)phenylbenzotriazole as the core in binary solar cells	Privado, María (57193843959); Donoso, Beatriz (57211664717); Khandelwal, Kanupriya (57226737096); Singhal, Rahul (7202912033); Guijarro, Fernando G. (54585126300); Díaz-Ortiz, Ángel (7003671778); Prieto, Pilar (56880469700); de la Cruz, Pilar (7004265872); Sharma, Ganesh D. (55549519200); Langa, Fernando (7003596090)	ECE+PHYSICS	Journal of Materials Chemistry C	2022	20507534	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85138199049&doi=10.1039%2fd2tc02289c&partnerID=40&md5=bbfb09a342a3ada0de053fa5e53222e3
Surface-Passivated Single-Crystal Micro-Plates for Efficient Perovskite Solar Cells	Wu, Tzu-Hsueh (57880228100); Sharma, Ganesh D. (55549519200); Chen, Fang-Chung (35290703500)	ECE+PHYSICS	Processes	2022	22279717	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85137561008&doi=10.3390%2fpr10081477&partnerID=40&md5=23426befa7618a3347fd0e8b54e2e2c1
Optimization of electric discharge drilling of Waspaloy using desirability function analysis	Harane, Pravin Pandit (57302930100); Sharma, Pravin Omprakash (57217533709); Unune, Deepak Rajendra (57053446400)	MME	Materials Today: Proceedings	2023	22147853	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85139449254&doi=10.1016%2fj.matpr.2022.09.328&partnerID=40&md5=4cc1f0404e53cb50d45b239ab97e4cbe

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Minimization of the vestigial noise problem of empirical wavelet transform to detect bearing faults under time-varying speeds	Sharma, Vikas (57189390529); Kundu, Pradeep (57190491559)	MATHEMATICS	International Journal of Advanced Manufacturing Technology	2022	2683768	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85141208642&doi=10.1007%2fs00170-022-10320-1&partnerID=40&md5=d3b3327e63294e129b0e02219bfe602a
Performance of Selective DF Based Multiple Relayed NOMA System with Imperfect CSI and SIC Errors	Soni, Sandhya (57205555879); Makkar, Rahul (57209877680); Rawal, Divyang (55557409000); Sharma, Nikhil (56537555400)	ECE	IEEE Transactions on Green Communications and Networking	2023	24732400	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85173023768&doi=10.1109%2fTGCN.2023.3319082&partnerID=40&md5=736f60ca72fb0d70c021fa812a40dbaf
Modulation of pulse profile as a signal for phase transitions in a pulsar core	Bagchi, Partha (56366073800); Layek, Biswanath (6602642217); Sarkar, Anjishnu (16744704900); Srivastava, Ajit M. (7403493402)	PHYSICS	Monthly Notices of the Royal Astronomical Society	2022	358711	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85132980406&doi=10.1093%2fmnras%2fstac1062&partnerID=40&md5=74f1ba5aff8628bb53196ab467ee6b9c
Institutions Determine Debt–Growth Relationship: Evidence from Fourth Wave of Debt in EMDEs	Bagchi, Sagnik (57162501300); Bandhu Majumder, Sayantan (57396053900); Banerjee, Somdutta (56283629500)	HSS	International Economic Journal	2023	10168737	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85150506794&doi=10.1080%2f10168737.2023.2184845&partnerID=40&md5=9a1006c1ba552cd18fd8b169cd137a38
Optimising pool boiling performance of hybrid nanofluids through desirability function analysis	Sharma, Pravin Omprakash (57217533709); Unune, Deepak Rajendra (57053446400)	MME	Materials Today: Proceedings	2023	22147853	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85138179108&doi=10.1016%2fj.matpr.2022.09.030&partnerID=40&md5=d51cf81f23f3ac009ef5e683b4f8df8e
Effect of Dual Metal on RF/Analog and Linearity Performance of Double Gate Ferroelectric Si-doped-HfO2GaN MOSHEMT	Mishra, S.N. (57202848333); Khan, Abdul Naim (57222188228); Routray, S. (57191576250); Jena, K. (56485520200)	ECE	Silicon	2023	1876990X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85135851880&doi=10.1007%2fs12633-022-02045-3&partnerID=40&md5=0056ab3f42054f1b260990c255ad832a
A comprehensive comparative review: welding and additive manufacturing	Singhal, Tejendra Singh (57218384701); Jain, Jinesh Kumar (50861370200); Kumar, Manoj (58423711200); Bhojak, Vishal (57222734567); Saxena, Kuldeep Kumar (34974741700); Buddhi, Dharam (56594817400); Prakash, Chander (56720902200)	MME	International Journal on Interactive Design and Manufacturing	2023	19552513	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85145928130&doi=10.1007%2fs12008-022-01152-0&partnerID=40&md5=5a199bf6349324fd0d4b1e2ec2386e79

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Investigating the effect of different tool electrodes in electric discharge drilling of Waspaloy on process responses	Harane, Pravin Pandit (57302930100); Wojciechowski, Szymon (54379404300); Unune, Deepak Rajendra (57053446400)	MME	Journal of Materials Research and Technology	2022	22387854	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85143676944&doi=10.1016%2fj.jmrt.2022.08.015&partnerID=40&md5=6db56c943fd50fa08e4272a85dd2aa2b
Novel Pyrrolo [3,4-b] Dithieno [3,2-f:2",3"-h] Quinoxaline-8,10 (9H)-Dione Based Wide Bandgap Conjugated Copolymers for Bulk Heterojunction Polymer Solar Cells	Keshtov, Mukhamed. L. (35445179800); Khokhlov, Alexei R. (7201745735); Godovsky, Dimitry. Y. (6603364159); Ostapov, Ilya. E. (57074065000); Alekseev, Vladimir G. (7202302672); Xie, Zhiyuan (56520729600); Chayal, Giriraj (57481819100); Sharma, Ganesh D. (55549519200)	ECE+PHYSICS	Macromolecular Rapid Communications	2022	10221336	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85126050859&doi=10.1002%2fmarc.202200060&partnerID=40&md5=5a0275af647b8d7ff65227edb4f72538
Performance of NOMA-assisted MRC receivers in presence of imperfect SIC and CSI errors	Soni, Sandhya (57205555879); Jain, Monika (57213968165); Rawal, Divyang (55557409000); Sharma, Nikhil (56537555400); Gupta, Akash (57195514957)	ECE	International Journal of Communication Systems	2022	10745351	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85133930688&doi=10.1002%2fdac.5290&partnerID=40&md5=f802d2317d5168a5acd0bc65163d6f8a
An Empirical Investigation of Green Product Design and Development Strategies for Eco Industries Using Kano Model and Fuzzy AHP	Batwara, Amber (57854406300); Sharma, Vikram (57194859621); Makkar, Mohit (57853968300); Giallanza, Antonio (55928338600)	MME	Sustainability (Switzerland)	2022	20711050	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85136438583&doi=10.3390%2fsu14148735&partnerID=40&md5=38a0018c15385faeca5c198ea5c97fa9
Emerging Cyber Security Challenges after COVID Pandemic: A Survey	Choudhary, Arjun (57205389588); Choudhary, Gaurav (57202009598); Pareek, Kapil (57467607100); Kunndra, Chetanya (57768230400); Luthra, Jatin (57483874000); Dragoni, Nicola (8308455900)	CCE	Journal of Internet Services and Information Security	2022	21822069	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85133003889&doi=10.22667%2fJISIS.2022.05.31.021&partnerID=40&md5=7cdfdf838045d559fe3609ae93d3ca24
Gold(III) Porphyrin Was Used as an Electron Acceptor for Efficient Organic Solar Cells	Cuesta, Virginia (57190217120); Singh, Manish Kumar (57223725407); Gutierrez-Fernandez, Edgar (57205335196); Martín, Jaime (7501558045); Domínguez, Rocío (57193363900); de la Cruz, Pilar (7004265872); Sharma, Ganesh D. (55549519200); Langa, Fernando (7003596090)	ECE+PHYSICS	ACS Applied Materials and Interfaces	2022	19448244	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85125961904&doi=10.1021%2facami.1c22813&partnerID=40&md5=0666f2ee651a35ed0cd2257be17c93e9

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Efficient Medium Bandgap Electron Acceptor Based on Diketopyrrolopyrrole and Furan for Efficient Ternary Organic Solar Cells	Yadagiri, Bommaramoni (57193884661); Narayanaswamy, Kamatham (56428895700); Sharma, Ganesh D. (55549519200); Singh, Surya Prakash (56595731100)	ECE+PHYSICS	ACS Applied Materials and Interfaces	2022	19448244	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85129122335&doi=10.1021%2facami.2c02272&partnerID=40&md5=fc31c8d2969a6ae9e8c63640626f5a23
Multihop underwater optical wireless communication system for internet of underwater things applications	Gupta, Akash (57195514957); Sharma, Nikhil (56537555400); Jain, Monika (57213968165); Garg, Parul (35611464600)	ECE	International Journal of Communication Systems	2022	10745351	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85119085828&doi=10.1002%2fdac.5041&partnerID=40&md5=ec9c2003c9901185b1794ff775eaf332
Dimensional accuracy and surface quality of micro-channels with low-frequency vibration assistance in micro-electro-discharge milling	Unune, Deepak Rajendra (57053446400); Mali, Harlal Singh (57170351600)	MME	Advances in Materials and Processing Technologies	2022	2374068X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85093645088&doi=10.1080%2f2374068X.2020.1835008&partnerID=40&md5=9c22e4b8e0fe23f2abe9325aa549bbf
Dynamic hand gesture recognition using combination of two-level tracker and trajectory-guided features	Saboo, Shweta (57222317430); Singha, Joyeeta (56957043200); Laskar, Rabul Hussain (23397200000)	ECE	Multimedia Systems	2022	9424962	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85107983512&doi=10.1007%2fs00530-021-00811-8&partnerID=40&md5=63dfedf41034eb039f82f46c9492ae39
Theoretical solution for thermo-mechanical crack-tip stress field for transversely graded materials	Mondal, Soumyadeep (57639686400); Agnihotri, Servesh Kumar (56006477800); Faye, Anshul (56006256200)	MME	Journal of Thermal Stresses	2022	1495739	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85124202680&doi=10.1080%2f01495739.2022.2030837&partnerID=40&md5=c666ab9b920b083cdb073dd988508ee2
Low-voltage bulk-driven flipped voltage follower-based transconductance amplifier	Durgam, Rajesh (57449147400); Tamil, Subramanian (57256746900); Raj, Nikhil (36024368000); Chourasia, Bharti (57222989989)	ECE	Bulletin of Electrical Engineering and Informatics	2022	20893191	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85128320835&doi=10.11591%2fdei.v11i2.3306&partnerID=40&md5=10f31c0206e8f9816cfe8cf1b30e5d8f
Wide bandgap D-A copolymers with same medium dithieno [2,3-e;3'2'-g]isoindole-7,9 (8H) acceptor and different donors for high-performance fullerene free polymer solar cells with efficiency up to 14.76%	Keshtov, Mukhammed L. (35445179800); Kuklin, Sergei A. (6603150959); Zou, Yinping (58457994200); Dahiya, Hemraj (57220183618); Agrawal, Anupam (57213001843); Sharma, Ganesh D. (55549519200)	ECE+PHYSICS	Chemical Engineering Journal	2022	13858947	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85114990907&doi=10.1016%2fj.cej.2021.131404&partnerID=40&md5=dc2c62cc6171c3b400e7adcec1c5f43a

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Tuning of dielectric properties in Ti-Doped granular HfO ₂ nanoparticles for high-k applications	Pokhriyal, Sumit (55792177700); Biswas, Somnath (25928198700)	PHYSICS	Ceramics International	2022	2728842	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85122065927&doi=10.1016%2fj.ceramint.2021.12.340&partnerID=40&md5=29d27ae3922e01ab9cbd6666f0fa1c9d
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iYogacare: Real-Time Yoga Recognition and Self-Correction for Smart Healthcare	Sharma, Abhishek (57221739454); Agrawal, Yash (55263759100); Shah, Yash (57529387400); Jain, Prateek (57195251929)	ECE	IEEE Consumer Electronics Magazine	2022	21622248	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85129409492&doi=10.1109%2fmce.2022.3171054&partnerID=40&md5=1a3b81ebc12d7213b6f7e9441ae309d1
Advancements, frontiers and analysis of metal oxide semiconductor, dye, electrolyte and counter electrode of dye sensitized solar cell	Agrawal, Anupam (57213001843); Siddiqui, Shahbaz A. (56464742600); Soni, Amit (24463927100); Sharma, Ganesh D. (55549519200)	ECE+PHYSICS	Solar Energy	2022	0038092X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85123578330&doi=10.1016%2fj.solener.2022.01.027&partnerID=40&md5=d8f53abbea638b6cf186e131319cf3c9
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New Medium Bandgap Donor D-A1-D-A2 Type Copolymers Based on Anthra[1,2-b: 4,3-b":6,7-c"] Trithiophene-8,12-dione Groups for High-Efficient Non-Fullerene Polymer Solar Cells	Keshtov, Mukhamed. L. (35445179800); Kuklin, Serge. A. (6603150959); Khokhlov, Alexei.R. (7201745735); Xie, Zhiyuan (56520729600); Alekseev, Vladimir. G (7202302672); Dahiya, Hemraj (57220183618); Singhal, Rahul (7202912033); Sharma, Ganesh D. (55549519200)	ECE+PHYSICS	Macromolecular Rapid Communications	2022	10221336	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85123798779&doi=10.1002%2fmarc.202100839&partnerID=40&md5=a3b1a4b5feae8e173d39080800d58bb
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ID-CEPPA: Identity-based Computationally Efficient Privacy-Preserving Authentication scheme for vehicle-to-vehicle communications	Bansal, Udit (57421322700); Kar, Jayaprakash (36561566000); Ali, Ikram (57193517415); Naik, Kshirasagar (7006118362)	CSE	Journal of Systems Architecture	2022	13837621	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85123235244&doi=10.1016%2fj.sysarc.2021.102387&partnerID=40&md5=bf042137818b8c89b95d2d0493ba3c4e
CCAKESC: Chaotic map-based construction of a new authenticated key exchange protocol for satellite communication	Kumar, Uddeshaya (57213057877); Garg, Manish (57197593432)	MATHEMATICS	International Journal of Satellite Communications and Networking	2022	15420973	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85117848297&doi=10.1002%2fsat.1435&partnerID=40&md5=db4fa934bb0bf998da200b6feaac5703
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Optimal Design and Noise Analysis of High-Performance DBR-Integrated Lateral Germanium (Ge) Photodetectors for SWIR Applications	Kumar, Harshvardhan (57203876573); Kumar Pandey, Ankit (57215545648); Lin, Chu-Hsuan (14521218300)	ECE	IEEE Journal of the Electron Devices Society	2022	21686734	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85135766251&doi=10.1109%2fJEDS.2022.3195210&partnerID=40&md5=807f6a7cd08102d4e181cc54262ca705
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Truxene π -Expanded BODIPY Star-Shaped Molecules as Acceptors for Non-Fullerene Solar Cells with over 13% Efficiency	Li, Pengfei (57210421069); Wu, Fan (55700774400); Fang, Yuanyuan (35215208100); Dahiya, Hemraj (57220183618); Keshtov, M. L. (35445179800); Xu, Haijun (7407449674); Agrawal, Anupam (57213001843); Sharma, Ganesh D. (55549519200)	ECE+PHYSICS	ACS Applied Energy Materials	2022	25740962	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85123834080&doi=10.1021%2facsaem.1c03781&partnerID=40&md5=919766e909bd93c6456dbbac9d2a7745
Efficient ternary bulk heterojunction organic solar cells using a low-cost nonfullerene acceptor	Schlachter, Adrien (57194768759); Marineau-Plante, Gabriel (57200388670); Harvey, Pierre D. (7401431908); Agrawal, Anupam (57213001843); Sharma, Ganesh D. (55549519200)	ECE+PHYSICS	Journal of Materials Chemistry C	2022	20507534	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85127530576&doi=10.1039%2fd1tc05653k&partnerID=40&md5=6c308f69f017cae0ea0b234454403a6a
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Role of Exciton Lifetime, Energetic Offsets, and Disorder in Voltage Loss of Bulk Heterojunction Organic Solar Cells	Suthar, Rakesh (57214120760); Abhijith, T. (58294118200); Dahiya, Hemraj (57220183618); Singh, Abhishek Kumar (57212846210); Sharma, Ganesh D (55549519200); Karak, Supravat (56965016200)	ECE+PHYSICS	ACS Applied Materials and Interfaces	2022	19448244	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146035627&doi=10.1021%2facami.2c18199&partnerID=40&md5=dda1c6eaf248013fdf160d2fc8087ce8
New wide-bandgap D-A polymer based on pyrrolo[3,4- B] dithieno[2,3- f:3',2'- h] quinoxalindione and thiazole functionalized benzo[1,2- b:4,5- b']dithiophene units for high-performance ternary organic solar cells with over 16% efficiency	Keshtov, M.L. (35445179800); Konstantinov, I.O. (57197804496); Kuklin, S.A. (6603150959); Davydova, N.K. (57450336100); Alekseev, V.G. (7202302672); Xie, Z. (56520729600); Agrawal, Anupam (57213001843); Sharma, Ganesh D. (55549519200)	ECE+PHYSICS	Sustainable Energy and Fuels	2022	23984902	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85124527764&doi=10.1039%2fd1se01748a&partnerID=40&md5=79de7587057552b5fcc36ac2239c83cb
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Prioritization of barriers to the development of renewable energy technologies in India using integrated Modified Delphi and AHP method	Pathak, Sudhir Kumar (57221807296); Sharma, Vikram (57194859621); Chougule, Sandesh S. (56526806900); Goel, Varun (57892187100)	MME	Sustainable Energy Technologies and Assessments	2022	22131388	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85120445879&doi=10.1016%2fj.seta.2021.101818&partnerID=40&md5=c14913b6ab79ebe0113fce3c621c5dad
Efficient post-quantum private set-intersection protocol	Debnath, Sumit Kumar (56562621700); Kundu, Nibedita (57213166316); Choudhury, Tanmay (57216430896)	MATHEMATICS	International Journal of Information and Computer Security	2022	17441765	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85128901700&doi=10.1504%2fIJICS.2022.122381&partnerID=40&md5=5df16651ad4f5cc4668f5e3b9c962a59

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