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2024-Publications



S.No.	Authors	Title	Source title
1	Vishalatchi S.; Murugan K.; Ramrao N.; Sharan P.	Modeling and realization of photonic biosensor for hazardous virus detection using ML approach	Journal of Optics (India)
2	Kumar R.; Bairwa K.N.; Vemanaboina H.; Naidu B.V.; Shoush K.A.; Pushkarna M.; Tuka M.B.; Ghoneim S.S.M.	Enhancing wear resistance of aluminum 6061 composites with fly ash: A sustainable approach for industrial applications	Advances in Mechanical Engineering
3	Satyanarayana M.V.N.V.; Vijayakrishna B.; Srinivasnaik M.; Kolagotla R.K.; Janaki D.V.; Prakash P.	Influence of overlapping friction stir processing on microstructural evolution, texture development, and mechanical performance in Al6061	Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications
4	Senthil kumar S.; Komble S.P.; Konduri P.S.R.; Kumar R.; Surulivel rajan T.; Khairnar Y.; Tarigonda H.	Advanced Power Electronics for Efficient Integration of Renewable Energy into the Grid	E3S Web of Conferences
5	Arivendan A.; Keerthiveetil Ramakrishnan S.; Chen X.; Zhang Y.-F.; Gao W.; Syamani F.A.; Thangiah W.J.J.; Siva I.	Extraction and characterization of novel Prosopis Juliflora bark and Boehmeria nivea fibre for use as reinforcement in the hybrid composites with the effect of curing temperature, fibre length and weight percentages	International Journal of Biological Macromolecules
6	Mathanbabu M.; Murugan K.; Guruprasad B.; Thirumalaikumarasamy D.; Bihari B.; Balaji M.; More S.N.; Manoj J.K.; Mohanraj C.M.; Girimurugan R.	Effect of Scandium Interlayer Friction Stir Welding on the Aluminium Alloys	International Journal of Vehicle Structures and Systems
7	Adnan M.M.; Sharma A.; Saravanan T.; Reena R.; Bhagat R.K.; Jolad B.; Kumaraswamy Naidu K.	Advanced Control Strategies for Multilevel Inverters in Renewable Energy Systems: Enhancing Power Quality and Efficiency	E3S Web of Conferences
8	Thejasree P.; Manikandan N.; Sunheriya N.; Giri J.; Sathish T.; Chadge R.; Mahatme C.; Parthiban A.	Application of ANFIS approach for prediction of performance measures in wire electric discharge machining of SAE 1010	Interactions
9	Pasupuleti T.; Natarajan M.; Kiruthika J.; Ramesh Naik M.; Silambarasan R.	Optimization of Wire Electrical Discharge Machining Parameters for Cupronickel Using Taguchi-Based Grey Relational Analysis	SAE Technical Papers



10	Bostani A.; Kulshreshtha K.; Agarkar A.A.; Karthika K.; Sarathy K.; Pawar A.M.; Ashreetha B.	Adaptive Energy Management System for Electric Vehicle Charging Stations: Leveraging AI for Real-Time Grid Stabilization and Efficiency	E3S Web of Conferences
11	Mangate L.D.; Alabdeli H.; Agarwal R.; Saravanan T.; Janakiraman V.; Sherje N.; Kumaraswamy Naidu K.	Adaptive Energy Management System for Enhancing Efficiency and Reliability in Hybrid Renewable Energy Systems	E3S Web of Conferences
12	Tallapragada V.V.S.; Reddy D.V.; Kumar G.V.P.	Blind forgery detection using enhanced mask-region convolutional neural network	Multimedia Tools and Applications
13	Prasad K.R.; Karanam S.R.; Ganesh D.; Liyakat K.K.S.; Talasila V.; Purushotham P.	Corrigendum to "AI in public-private partnership for IT infrastructure development" [The Journal of High Technology Management Research 35 (2024) 1-10/100496] (Journal of High Technology Management Research (2024) 35(1), (S1047831024000051), (10.1016/j.hitech.2024.100496))	Journal of High Technology Management Research
14	Natarajan M.; Palanisamy D.; Pasupuleti T.; Gnanarathinam; Umapathi D.; Silambarasan R.	Optimization and Regression Modeling of Wire Electrical Discharge Machining for Cupronickel Material	SAE Technical Papers
15	Buragadda V.; Thyagaraj T.; Dhiman R.; Orekanti E.R.; Maddileti T.K.	Influence of Geosynthetic Reinforcement Geometrical Parameters on Load-Bearing Capacity of Sand: An Experimental Study	Transportation Infrastructure Geotechnology
16	Udayagiri H.; Sana S.S.; Dogiparthi L.K.; Vadde R.; Varma R.S.; Koduru J.R.; Ghodake G.S.; Somala A.R.; Boya V.K.N.; Kim S.-C.; Karri R.R.	Phytochemical fabrication of ZnO nanoparticles and their antibacterial and anti-biofilm activity	Scientific Reports
17	Rankhambe D.; Sanjay Aina-pure B.; Appasani B.; Srinivasulu A.; Bizon N.	Analyzing the Impact of Binaural Beats on Anxiety Levels by a New Method Based on De-noised Harmonic Subtraction and Transient Temporal Feature Extraction	Bioengineering



18	Paswan R.K.; Gogineni A.; Sharma S.; Kumar P.	Predicting split tensile strength in Portland and geopolymer concretes using machine learning algorithms: a comparative study	Journal of Building Pathology and Rehabilitation
19	Venkatramana P.; Basha S.J.; Sankarnath V.; Rao Y.M.; Subramanyam M.V.	A Novel Technique to Design GNRFET Based Ternary Logic Circuits for High-Performance Applications	Russian Microelectronics
20	Singh A.R.; Kumar R.S.; Madhavi K.R.; Alsaif F.; Bajaj M.; Zaitsev I.	Optimizing demand response and load balancing in smart EV charging networks using AI integrated blockchain framework	Scientific Reports
21	Alluraiah N.C.; Nandagopal V.; Veeramanikandan P.; Godfrey D.; Meena S.; Brindha G.	Comparison of SoC in Ni-MH and Lithium-Ion Battery for E-Vehicle	International Journal of Electrical and Electronics Research
22	Arivendan A.; Keerthiveetil Ramakrishnan S.; Chen X.; Zhang Y.-F.; Gao W.; Syamani F.A.; Thangiah W.J.J.; Siva I.; Prabhu S.R.B.	Effect of moringa filler powder in Eichhornia crassipes fibre-reinforced polymer composites: advancement in mechanical properties and environmental sustainability	Polymer Bulletin
23	Geetha P.; Satyam S.; Jothiprashanth R.	Modelling of Energy Scavenging from Rolling Tyres Using Contact-Separation Mode Triboelectric Nano Generators for Self Powered Electric Vehicles	SAE Technical Papers
24	Badhoutiya A.; Srisainath R.; Shirbavikar K.A.; Bhuvaneshwari P.; Al-Farouni M.; Narkhede J.; Anil Kumar N.	AI-Driven Optimization of Fuel Cell Performance in Electric Vehicles	E3S Web of Conferences
25	Husain S.O.; Shukla A.; Bharsakade R.S.; Edwin Prabhakar P.B.; Vijayaraghavan P.; Sherje N.; Tarigonda H.	Thermal Management Strategies in High-Power Energy Storage Device	E3S Web of Conferences
26	Natarajan M.; Pasupuleti T.; Kiruthika J.; Katta L.N.; Silambarasan R.	Optimization of Wire Electrical Discharge Machining Parameters for SAE 1010 Material Using TOPSIS Method	SAE Technical Papers



27	Rathore D.; Chauhan P.; Bonagiri A.; Gandhi L.; Maisnam D.; Kumar R.; Row A.T.; Kesavulu M.M.; Venkataramana M.	Non-RBD peptides of SARS-CoV-2 spike protein exhibit immunodominance as they elicit both innate and adaptive immune responses	Heliyon
28	Deore V.; Mahajan M.; Siva I.; Shinde A.; Waghmare S.; Dol S.S.; Ahmad K.A.; Sultan M.T.H.	Silicone rubber nanocomposites: Optimal graphene dosing for mechanical and electrical enhancements	Journal of Materials Research and Technology
29	Jeevitha D.; Chimmalagi U.; Adishesha K.; Hosamani G.B.; Vinay T.V.; Dharmatti P.R.	Influence of Planting Methods on Growth, Yield and Storage of Onion (<i>Allium cepa</i> L.) var. Bhima Shakti	Indian Journal of Agricultural Research
30	Geetha N.; Sunitha G.	Pelican optimization algorithm with convolutional-recurrent hop field neural network for unmanned aerial image classification model	Multimedia Tools and Applications
31	Panda S.P.; Kesharwani A.; Singh B.; Mariseti A.L.; Chaitanya M.V.N.L.; Dahiya S.; Ponnusankar S.; Kumar S.; Singh M.; Shakya P.K.; Prasad P.D.; Guru A.	14-3-3 protein and its isoforms: A common diagnostic marker for Alzheimer's disease, Parkinson's disease and glaucomatous neurodegeneration	Ageing Research Reviews
32	Pratyusha N.; Tarakaramu N.; R S.B.; Somasekhar Srinivas V.K.; Ahmad F.; Waqas M.; Abdullaeva B.; Gupta M.	Three-dimensional stagnation point motion of bioconvection nanofluid via moving stretching sheet with convective and anisotropic slip condition	Partial Differential Equations in Applied Mathematics
33	Ashalatha K.; Narasimhulu K.	Enhancing Concrete Durability: Structural Health Monitoring Of Polypropylene Fiber-Reinforced Concrete with Accelerometer Sensors	E3S Web of Conferences
34	Pasupuleti T.; Natarajan M.; Palanisamy D.; Gnanarathinam G.; Umapathi D.; Kiruthika J.	Development of ANFIS Predictive Model for Additive Manufacturing of TPU Material	SAE Technical Papers
35	Poojitha P.; Dharani M.	EEG based Early Detection of Autism using Convolutional Neural Networks	International Journal of Electrical and Electronics Research
36	Pasupuleti T.; Natarajan M.; Kiruthika J.; Ramesh Naik M.; Silambarasan R.	Optimization and ANFIS Predictive Modeling of Additive Manufacturing (Fused Deposition Modeling) for PLA Material	SAE Technical Papers



37	Pasupuleti T.; Natarajan M.; Kiruthika J.; Katta L.N.; Silambarasan R.	Development of ANFIS Predictive Model for Wire Electrical Discharge Machining of Cupronickel Material	SAE Technical Papers
38	Natarajan M.; Pasupuleti T.; Kiruthika J.; Palanisamy D.; Silambarasan R.	Optimization and Regression Modeling of Additive Manufacturing (Fused Deposition Modeling) of PETG Material for Automobile Applications	SAE Technical Papers
39	Sujatha D.; Rani R.U.; Vennila G.; Marimuthu A.; Renugadevi M.; Rajendran L.	Understanding the nonlinear reactive transport model in porous catalysts	International Journal of Electrochemical Science
40	Devi R.B.; Suseela G.; Painam R.K.; Swetha T.; Suryanarayana G.; Madhavi R.K.	Intelligent Fault Diagnosis in Industrial Machinery: Leveraging AI with LSTM Autoencoder for Enhanced Fault Detection	Journal of Machine and Computing
41	Ganthia B.P.; Praveen B.M.; Barkunan S.R.; Marthanda A.V.G.A.; Kumar N.M.G.; Kaliappan S.	ENERGY MANAGEMENT IN HYBRID PV-WIND-BATTERY STORAGE-BASED MICROGRID USING MONTE CARLO OPTIMIZATION TECHNIQUE	Journal of Mechanics of Continua and Mathematical Sciences
42	Karpagalakshmi R.C.; Rani D.L.; Magendiran N.; Manikandan A.	An Energy-Efficient Bio-Inspired Mobility-Aware Cluster p-WOA Algorithm for Intelligent Whale Optimization and Fuzzy-Logic-Based Zonal Clustering Algorithm in FANET	International Journal of Computational Intelligence Systems
43	Manohara M.; Muthukarpasamy S.; Dharmaprakash R.; Sendilkumar S.; Bharadwaj D.D.; Parimalasundar E.	Power quality enhancement of grid-integrated solar photovoltaic system with unified power quality conditioner	Electrical Engineering and Electromechanics
44	Das S.; Maitra S.K.; Thrinath B.V.S.; Choudhury U.; Swathi G.V.; Datta G.	An effective sizing study on PV-wind-battery hybrid renewable energy systems	e-Prime – Advances in Electrical Engineering, Electronics and Energy
45	Arun V.; Stonier A.A.; Peter G.; Vignesh K.E.; Shahila D.F.D.	9-Level switched capacitor-high-voltage gain boosting inverter (SC-HVGBI) topology with reduced voltage stress	Electrical Engineering
46	Pasupuleti T.; Natarajan M.; Kiruthika J.; Ramesh Naik M.; Silambarasan R.	Application of TOPSIS Approach for Optimization on Additive Manufacturing (Fusion Deposition Modeling) of TPU Material: A Systematic Approach for Process Enhancement	SAE Technical Papers



47	Bukke S.P.N.; Komarla Kumarachari R.; Komarla Rajasekhar E.S.; Dudekula J.B.; Kamati M.	Computational intelligence techniques for achieving sustainable development goals in female cancer care	Discover Sustainability
48	Varshney N.; Sreetharan V.; Vennila C.; Ahila R.; Mane D.T.; Kshirsagar K.; Pragathi B.	Blockchain Technology in Energy Management Systems: Enhancing Security and Transparency	E3S Web of Conferences
49	Yadav K.; Alsalami Z.; Kala Priyadarshini G.; Vaidya P.R.; Thirumani Thangam V.; Kshirsagar K.; Sujatha M.S.	Exploring the Potential of Flow Batteries for Large-Scale Energy Storage Systems	E3S Web of Conferences
50	Ramanuja M.; Muni Sarala G.; Kavitha J.; Akasam S.; Gopi Krishna G.	A fully developed viscous electrically conducting fluid through infinitely parallel porous plates	Heat Transfer
51	Pol N.; Daveshar S.; Madhavi T.; Rao N.K.K.; Jeyanthi L.; Sukania P.; Vijayan V.	Comparative analysis of machine learning classifiers for enhancing business revenue and customer satisfaction: An empirical study	AIP Conference Proceedings
52	Janardhan M.; Neelima A.; Siri D.; Sathish Kumar R.; Balakrishna N.; Sreenivasa N.; Singasani T.R.; Vatambetti R.	Segment-Based Unsupervised Deep Learning for Human Activity Recognition using Accelerometer Data and SBOA based Channel Attention Networks	International Research Journal of Multidisciplinary Technovation
53	Akula N.K.; S S.B.; Tarakaramu N.; Ramesh O.; Askar S.; Rayudu U.M.; Ahmad H.; Khan M.I.	An intuitionistic fuzzy graph's variation coefficient measure with application to selecting a reliable alliance partner	Scientific Reports
54	Natarajan M.; Pasupuleti T.; Kiruthika J.; Krishnamachary P.C.; Silambarasan R.	Optimization of Wire Electrical Discharge Machining Parameters for SAE 1010 Material Using Taguchi-Based Grey Relational Approach	SAE Technical Papers
55	Gopalan S.H.; Manikandan A.; Dharani N.P.; Sujatha G.	Enhancing IoT Security: A Blockchain-Based Mitigation Framework for Deauthentication Attacks	International Journal of Networked and Distributed Computing
56	Ramalingam S.; Tanaka K.; Tarakaramu N.; Murugan M.; Kaliyaperumal A.; Khan M.I.	Assessing multi-decadal climatic variability and its impact on cardamom cultivation in the Indian Cardamom Hills	Scientific Reports



57	Yousaf M.Z.; Singh A.R.; Khalid S.; Bajaj M.; Kumar B.H.; Zaitsev I.	Bayesian-optimized LSTM-DWT approach for reliable fault detection in MMC-based HVDC systems	Scientific Reports
58	Yousaf M.Z.; Singh A.R.; Khalid S.; Bajaj M.; Kumar B.H.; Zaitsev I.	Enhancing HVDC transmission line fault detection using disjoint bagging and bayesian optimization with artificial neural networks and scientometric insights	Scientific Reports
59	Orekanti E.R.; Buragadda V.; Salammagari S.D.; Vallepuru G.S.	Effective Utilization of Stone Powder in Road Construction Using Sandwich Technique: A Laboratory Study	Transportation Infrastructure Geotechnology
60	Natarajan M.; Pasupuleti T.; Kiruthika J.; Katta L.N.; Silambarasan R.	Optimization of Additive Manufacturing (Fused Deposition Modeling) of PLA Material Using TOPSIS Approach	SAE Technical Papers
61	Ganeswara Rao M.V.; Ramamjaneyulu N.; Madugula S.; Dharani N.P.; Rajesh Babu K.; Sagar K.	Retraction Note: Exploring High-Temperature Reliability of 4H-SiC MOSFETs: A Comparative Study of High-K Gate Dielectric Materials (Transactions on Electrical and Electronic Materials, (2024), 25, 2, (194–200), 10.1007/s42341-023-00497-x)	Transactions on Electrical and Electronic Materials
62	Rashed A.N.Z.; Yarrarapu M.; Prabu R.T.; Raj Antony G.S.; Edeswaran L.; Kumar E.S.; Aswitha K.; Snehith N.; Ahammad S.H.	Connected smart elevator systems for smart power and time saving	Scientific Reports
63	Pasupuleti T.; Natarajan M.; Kiruthika J.; Katta L.N.; Silambarasan R.	Development of Regression Analysis for Wire Electrical Discharge Machining of SAE 1010 Material	SAE Technical Papers
64	Maheswari K.; Padmaja N.	Distortion-less video wireless transmission in 5G new radio using delay-distortion-rate optimization (DDRO)	International Journal of Communication Systems
65	Jayasree S.; Hemamalini V.; Bansal S.; Al-Farouni M.; Chaudhari R.J.; Landage M.; Suresh Babu D.	Integrated Fuel Cell and Electrolyzer Systems for Renewable Energy Storage and Conversion	E3S Web of Conferences



66	Gaddam S.A.; Kotakadi V.S.; Allagadda R.; T V.; Velakanti S.G.; Samanchi S.; Thangelamudi D.; Masarapu H.; Maheswari P U.; Ch A.R.; Zereffa E.A.	Bioinspired multifunctional silver nanoparticles by Smilax Chenensis and their enhanced biomedical and catalytic applications	Scientific reports
67	Sunkara E.; Seo K.-H.; Mengist C.K.; Ratnam M.V.; Niranjan Kumar K.; Venkata Chalapathi G.	Role of QBO and MJO in Sudden Stratospheric Warmings: A Case Study	Atmosphere
68	Thejasree P.; Manikandan N.; Sunheriya N.; Giri J.; Chadge R.; Sathish T.; Kumar A.; Ammarullah M.I.	Development of an artificial intelligence model for wire electrical discharge machining of Inconel 625 in biomedical applications	IET Collaborative Intelligent Manufacturing
69	Durgadevi G.; Nalawade M.K.; Sharma K.; Nishanthi; Shnain A.H.; Sutar V.; Sujatha M.S.	Integration of Energy Storage with Wind Power Conversion Systems: Enhancing Grid Stability	E3S Web of Conferences
70	Edwin Prabhakar P.B.; Rajarajeswari S.; Antad S.; Jeshurun S.B.; Badhoutiya A.; Chandrika S.; Suresh Babu D.	Machine Learning Algorithms for Predictive Maintenance in Hybrid Renewable Energy Microgrid Systems	E3S Web of Conferences
71	Sajin J.A.; Sreenivasan V.S.; Bright B.M.; Saravanan M.S.S.; Tharayil T.; Anish R.K.; Natarajan M.; Bharathiraja G.; Binoj J.S.	Thermite frass biomass and surface modified biowaste coir fiber reinforced biocomposites—Conversion of waste to useful products	Biopolymers
72	Al-Fatlawy X.R.R.; Senthilkumar S.; Jeyalaxmi M.; Borse N.V.; Yadav K.; Landage M.; Suresh Babu D.	Impact of Energy Storage Technologies on Grid-Connected Renewable Energy Systems	E3S Web of Conferences
73	Pasupuleti T.; Natarajan M.; Kiruthika J.; Navya C.; Silambarasan R.	Optimization of Wire Electrical Discharge Machining Parameters for Cupronickel Material Using TOPSIS Method	SAE Technical Papers
74	Kumar P.; Gogineni A.; Upadhyay R.	Mechanical performance of fiber-reinforced concrete incorporating rice husk ash and recycled aggregates	Journal of Building Pathology and Rehabilitation
75	Thejasree P.; Natarajan M.	Applications of hybrid artificial intelligence tool in wire electro discharge machining of 7075 aluminium alloy	International Journal on Interactive Design and Manufacturing



76	Jaichandar S.	A Study on the Effects of Pre-heating Thevetia Peruviana Biodiesel on the Performance of CI Engine	International Journal of Automotive Science and Technology
77	Pasupuleti T.; Natarajan M.; Kiruthika J.; Krishnamachary P.C.; Silambarasan R.	Optimization of Wire Electrical Discharge Machining Parameters for Invar 36 Material Using TOPSIS Method	SAE Technical Papers
78	Shinde S.; Rajiv Gandhi N.; Simi Margarat G.; Khairnar Y.; Al-Jawahry H.M.; Landage M.; Kumaraswamy Naidu K.	Enhancing Power System Stability and Efficiency Using Flexible AC Transmission Systems (FACTS): A Comprehensive Analysis of Control Strategies and Applications	E3S Web of Conferences
79	Reddy N V R.; N S.; B N J.; Gandikota R.; Lella K.K.; Pydala B.; Vatambeti R.	Enhancing anomaly detection: A comprehensive approach with MTBO feature selection and TVETBO[<i>sbnd</i>]Optimized Quad-LSTM classification	Computers and Electrical Engineering
80	Mokhfi F.Z.; Al Amin M.; Zehravi M.; Sweilam S.H.; Arjun U.V.N.V.; Gupta J.K.; Vallamkonda B.; Balakrishnan A.; Challa M.; Singh J.; Prasad P.D.; Ali S.S.; Ahmad I.; Doukani K.; Emran T.B.	Alkaloid-based modulators of the PI3K/Akt/mTOR pathway for cancer therapy: Understandings from pharmacological point of view	Chemico-Biological Interactions
81	Natarajan M.; Pasupuleti T.; Kiruthika J.; Katta L.N.; Silambarasan R.	Optimization and ANFIS Predictive Modeling of Wire Electrical Discharge Machining for Invar 36 Material	SAE Technical Papers
82	Yuvaraj S.; Al-Jawahry H.M.; Monisha Jothi R.; Varshney N.; Dongre G.G.; Shaikh A.S.; Sujatha M.S.	Design and Optimization of Multilevel Inverters for Enhanced Power Quality in Renewable Energy Applications	E3S Web of Conferences
83	Tirmare A.H.; Gowda V D.; Dhabarde R.J.; Tirmare H.A.; Kale S.B.; Suryawanshi V.A.; Kumar N A.	Modulated advancements in semiconductor-based nanomaterials for environmental solutions	Nanotechnology for Environmental Engineering



84	Sateesh K.A.; Yaliwal V.S.; Murugande B.K.; Banapurmath N.R.; Elumalai P.V.; Balasubramanian D.; Lawrence K.R.; Fouad Y.; Soudagar M.E.M.; Le H.C.; Le T.T.; Kalam M.A.; Kit C.C.; Balram Y.	Effect of nano-particles on the combustion and emission characteristics of a dual fuel engine operated on biodiesel-producer gas combination	Case Studies in Thermal Engineering
85	Aravind A.R.; Santhi G.B.; Patil S.T.; Selvakumar P.; Sharma G.; Dhamone J.; Ragu Nathan S.	Blockchain Technology in Energy Markets: Enabling Peer-to-Peer Energy Trading	E3S Web of Conferences
86	Girimurugan R.; Ranjithkumar A.; Yasminebegum A.; Ahammad S.K.H.; Biswal S.R.; Ravivarman G.; Mariappan M.; Thirumalakumarasamy D.	Investigating Electrical, Optical and Structural Characteristics of Cu-Doped TiO ₂ Nanostructured Thin Films Synthesized by Innovative Sol-Gel Process	International Journal of Vehicle Structures and Systems
87	Rajaram R.S.; Babu P.K.; Victor K.; Kandasamy R.; Pushpanathan G.; Sivakumar V.; Pushpanathan R.; Vinayagam M.; Barathy S.	Fuzzy Logic-based Power Optimizer for Solar Photovoltaic Power Systems	Pertanika Journal of Science and Technology
88	Singh A.R.; Suresh K.; Parimalasundar E.; Kumar B.H.; Bajaj M.; Tuka M.B.	Design and performance evaluation of a multi-load and multi-source DC-DC converter for efficient electric vehicle power systems	Scientific Reports
89	Natarajan M.; Pasupuleti T.; Kiruthika J.; Krishnamachary P.C.; Silambarasan R.	Optimization of Wire Electrical Discharge Machining Parameters for Invar 36 Material Using Regression Modeling	SAE Technical Papers
90	Elkady G.; Sayed A.; Priya S.; Nagarjuna B.; Haralayya B.; Aarif M.	An empirical investigation into the role of Industry 4.0 tools in realizing sustainable development goals with reference to fast moving consumer foods industry	Advanced Technologies for Realizing Sustainable Development Goals: 5G, AI, Big Data, Blockchain, and Industry 4.0 Application
91	Suresh K.; Parimalasundar E.; Kumar B.H.; Singh A.R.; Bajaj M.; Tuka M.B.	Design and implementation of a universal converter for micro-grid applications using approximate dynamic programming and artificial neural networks	Scientific Reports



92	Saravanan T.; Shnain A.H.; Sharma H.; Sathiya Naveena S.; Rajurkar A.U.; Sherje N.; Ragu Nathan S.	Hydrogen Production via Electrolyzers: Enhancing Efficiency and Reducing Costs	E3S Web of Conferences
93	Shukla D.K.; Singh J.; Muthusamy S.; Satpathy S.; Goyal V.	RETRACTED: Workflow task scheduling for homogeneous environments on multiprocessing based on IoT variant of beta artificial bee colony	Transactions on Emerging Telecommunications Technologies
94	Chanderasekaran J.H.R.; Naidu B.V.V.; Palanisamy S.; Vallinayagam S.; Saminathan R.	Enhancing mechanical performance of kenaf fiber reinforced polymer composites: influence of fiber characteristics and processing techniques	Interactions
95	Devarajan D.; Dhana lakshmi P.; Krishnaveni S.; Senthilkumar S.	Human monkeypox disease prediction using novel modified restricted Boltzmann machine-based equilibrium optimizer	Scientific Reports
96	Singh A.R.; Suresh K.; Parmalasundar E.; Kumar B.H.; Bajaj M.; Tuka M.B.	A high-efficiency poly-input boost DC-DC converter for energy storage and electric vehicle applications	Scientific Reports
97	Kumar B.J.; Tarakaramu N.	HEAT GENERATION EFFECT ON 3D MHD FLOW OF CASSON FLUID VIA POROUS STRETCHING/SHRINKING SURFACE WITH VELOCITY SLIP CONDITION	East European Journal of Physics
98	Kumar R.; Prabakaran A.; Gaigole P.M.; Esakkiammal U.; Divya N.; Sherje N.; Ragu Nathan S.	Advancements in Proton Exchange Membrane Fuel Cells Improving Efficiency and Durability	E3S Web of Conferences
99	Madhavi K.R.; Kora P.; Reddy L.V.; Avanija J.; Soujanya K.L.S.; Telagarapu P.	Retraction Note: Cardiac arrhythmia detection using dual-tree wavelet transform and convolutional neural network (Soft Computing, (2022), 26, 7, (3561–3571), 10.1007/s00500-021-06653-w)	Soft Computing
100	Tallapragada V.V.S.; Naresh M.; Pradeep Kumar G.V.; Sireesha V.	An Efficient Voice-Based Emotion Recognition Using Hybrid Capsule Slime Mould Dense Deep Learning Framework	International Journal of Pattern Recognition and Artificial Intelligence
101	Sake S.M.; Likhitha T.; Naik M.L.; Sri Nihitha T.; Raju R.; Sachidananda K.B.	Additive Manufacturing Techniques for Biomedical Applications: A Critical Review	AIP Conference Proceedings



102	Chithambar Ganesh A.; Raju H.P.; Margret L.; Jinen- dra U.	Rice Husk Ash based Sodium Silicate as the Alkali Activator in slag based Geopolymer Con- crete	E3S Web of Conferences
103	Geetha P.; Jothiprashanth R.; Satyam	Modeling of Vibrational En- ergy Collection for Self Pow- ered Electric Vehicles Using Soft-Contact Triboelectric Nanogenerator	SAE Technical Papers
104	Reddy K.S.; Purushotham A.; kala K.L.; Gupta M.S.; Kumar P.K.; Vemanaboina H.	Thermal mapping of SS316L experimental and simulation for GTA welding process with mov- ing heat source model using FEA	International Journal on In- teractive Design and Manu- facturing
105	Kuttiappan A.; Chenchula S.; Vanangamudi M.; Bhatt S.; Chikatipalli R.; Shaila Bhanu P.; Bandaru N.	Hepatoprotective effect of fla- vonoid rich fraction of Sesbania grandiflora: Results of In vivo, in vitro, and molecular docking studies	Journal of Ayurveda and Integrative Medicine
106	Naresh D.; Raju R.; Parveen S.	Design and development of alternate layer printing method to reduce the porosity in FDM printing process	International Journal on In- teractive Design and Manu- facturing
107	Reddy T.K.; Devaraju T.; Vijayakumar M.	Optimizing Relay Coordination in Radial Distribution Systems with Solar PV Integration	SSRG International Journal of Electrical and Electronics Engineering
108	Patil P.; Kadam S.U.; Aruna E.R.; More A.; Balajee R.M.; Rao B.N.K.	Recommendation System for E-Commerce Using Collabora- tive Filtering	Journal Europeen des Syste- mes Automatisés
109	Gupta D.K.; Dei G.; Soni A.K.; Jha A.V.; Appasani B.; Bizon N.; Srinivasulu A.; Nsengiyumva P.	Fractional order PID controller for load frequency control in a deregulated hybrid power sys- tem using Aquila Optimization	Results in Engineering
110	Vankadara K.; Daram S.B.	A novel optimization algorithm for UC, ELD and scheduling of hybrid energy storage system	Multimedia Tools and Appli- cations
111	Khan M.A.; Thejasree P.; Natarajan M.; Narasimhamu K.L.	Application of a hybrid Taguchi grey approach for determining the optimal parameters on wire electrical discharge machining of Ti6Al4V	International Journal on In- teractive Design and Manu- facturing
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583	Swathi R.; Depuru S.; Sakthivel M.; Sivanantham S.; Amala K.; Ande P.K.	A Hybrid Malware Detection System for Enhanced Cloud Security Utilizing Trust-Based Glow-Worm Swarm Optimization and Recurrent Deep Neural Networks	Communications on Applied Nonlinear Analysis
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587	Jyothsna V.; Alle C.; Kur-nutala R.; Ganesh K.N.; KushalKarthik K.R.; Pydala B.	YOLOv8-Based Person Detection, Distance Monitoring, Speech Alerts, and Weapon Identification with Email Notifications	Proceedings – 2024 International Conference on Expert Clouds and Applications, ICOECA 2024
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593	Kungumaraj E.; Anand M.C.J.; Saikia U.; Dabass V.; Ranjitha B.; Tiwari M.	Topologized Graphical Method in Solving Fuzzy Transportation Problem with Computational Techniques	Lecture Notes in Networks and Systems
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604	Gudivaka R.L.; Alabdeli H.; Sunil Kumar V.; Sushama C.; Muthu B.	IoT – based Weighted K-means Clustering with Decision Tree for Sedentary Behavior Analysis in Smart Healthcare Industry	2nd IEEE International Conference on Data Science and Information System, ICDSIS 2024
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615	Narayana P.; Keerthi K.; Adnan M.M.; Madhura G.K.; Ghamya K.	An Optimized Deep Learning for Efficient Defect Inspection in Smart Industry with Fog Computing	2nd IEEE International Conference on Data Science and Information System, ICDSIS 2024



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621	Babu P.; Habelalmateen M.I.; Srikanteswara R.; Reddy R.A.; Purushotham N.	Wafer Surface Semiconductor Defect Classification Using Convolution Neural Network Based Improved Faster R-CNN	2nd IEEE International Conference on Data Science and Information System, ICDSIS 2024
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629	Harika K.; Dhanalakshmi P.; Reddy S.S.K.; Shakeer S.; Thanmayi M.V.S.; Haripriya V.	Handwritten Signature Recognition using MobileCNN	2024 International Conference on Intelligent Systems for Cybersecurity, ISCS 2024
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646	Anitha C.; Srinivasulu Raju S.; Mahaveerakannan R.; Rajasekaran A.; Pathak N.	White Blood Cells Classification Using MBOA-Based MobileNet and Coupling Pre-trained Models with IFPOA	Lecture Notes in Networks and Systems
647	Ramachandran R.; Chin-nammal V.; Malathy K.; Sail-aja K.; Shanmugam S.	An Improved Drug Recommendation System Using Artificial Intelligence Assisted Learning Methodology	Proceedings – 3rd International Conference on Advances in Computing, Communication and Applied Informatics, ACCAI 2024
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653	Nagarajan P.; Wekalao J.; Ashokkumar N.; Patel S.K.	Design and Analysis of a Plasmonic Metasurface-Based Graphene Sensor for Highly Sensitive and Label-Free Detection of COVID-19 Biomarkers	Plasmonics
654	Tandon A.; Anitha C.; Kataria A.; Mohammed N.Q.; Al-Khuzaie M.Y.; Almulla A.A.	Allometry Authentication in the Field of Finance: Creation of Well Secured System using AI Algo Based Systems	2024 4th International Conference on Advance Computing and Innovative Technologies in Engineering, ICACITE 2024



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658	Sonia R.; Rubesh Kumar T.; Naresh G.; Devi S.D.; Juliet N.	Empowering Safety: Designing of an IoT based Women Protective System using Artificial Intelligence enabled Smart Sensors	Proceedings – 3rd International Conference on Advances in Computing, Communication and Applied Informatics, ACCAI 2024
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661	Ghamya K.; Prema K.; Reddy D.A.; Varaprasad K.; Sai K.N.; Tejesh S.	Human Activity Recognition with Smartphones using Machine Learning Algorithm	2024 International Conference on Knowledge Engineering and Communication Systems, ICKECS 2024
662	Ramani K.; Jyothi A.; Kinjarapu S.R.; Preethi K.; Reddy K.U.K.	An Android Application for Temporary Driver Booking System	Proceedings – 2024 4th International Conference on Pervasive Computing and Social Networking, ICPCSN 2024
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664	Reddy C.J.S.; Akshay B.; Bhawane B.; Reddy B.P.S.; Satish A.	Breaking Through Color Casts: Enhancing Image Fidelity with Machine Learning-Based Correction	2024 International Conference on Intelligent Systems for Cybersecurity, ISCS 2024



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668	Ahamed S.S.Z.; Sree S.C.; Khalindar S.S.D.; Dharmaja P.; Tallapragada V.V.S.	Prediction of Crime Hotspots using Machine Learning with Stacked Generalized Approach	2024 4th International Conference on Advance Computing and Innovative Technologies in Engineering, ICACITE 2024
669	Peter G.; Arun V.; Stonier A.A.; Iderus S.	Level Shifted PODPWM Technique for Quadra Boost Nine Level Inverter	International Conference on Advancements in Power, Communication and Intelligent Systems, APCI 2024
670	Leon M.L.; Mohanadoss P.; Selvam A.K.; Balamurugan K.; Gunasekaran R.; Divya N.; Kumar C.R.; Ferdous A.H.M.I.; Rashed A.N.Z.	High modulation depth and high modulated power with low noise figure for high speed modulation optical communication system performance signature	Journal of Optics (India)
671	Monica K.M.; Al-Farouni M.; Madhura G.K.; Ghamyia K.; Geethalakshmi M.	Vehicle Type Detection and Classification Using Improved Relief Feature Selection Algorithm and Bidirectional Gated Recurrent Unit	2nd IEEE International Conference on Data Science and Information System, ICDSIS 2024
672	Reddy D.Y.; Reddy A.C.K.; Prakhyat C.H.; Vamsi D.; Kumar A.K.	Date Palm White Scale Disease Detection using Convolutional Neural Networks (VGG16)	2024 International Conference on Intelligent Systems for Cybersecurity, ISCS 2024
673	Krishnamoorthy N.V.; Sujatha V.V.; Naresh G.; Rathesh R.; Dinesh M.	Revolutionizing Military Operations: A Smart Fabrication of Bomb Detection and Diffusing Robot with Location Sharing Feature	Proceedings – 3rd International Conference on Advances in Computing, Communication and Applied Informatics, ACCAI 2024
674	Krishna G.; Singh V.; Pandey D.; Krishna K.H.; Joshi K.; Gupta T.	Power Trading Framework of Cloud-Edge Computing in the Artificial Intelligence Market	2024 4th International Conference on Advance Computing and Innovative Technologies in Engineering, ICACITE 2024



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714	Yogendra Prasad P.; Ramu M.; Ajith V.; Swarna Bhoomika V.; Vivek Vardhan T.; Satwika B.	CNN-Enabled Generation of Comprehensive Reports from Chest and Orthopaedic Radiographs	2nd International Conference on Artificial Intelligence and Machine Learning Applications: Healthcare and Internet of Things, AIM-LA 2024
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721	Geetha P.; Shaik J.B.; Nallagatla V.K.; Ramireddy V.H.; Punuru D.R.	Development of Capacitive Pressure Sensor for Weather Balloon Satellite: COMSOL Multiphysics	International Conference on Smart Systems for Applications in Electrical Sciences, ICSSSES 2024



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731	Parimalasundar E.; Hemanthkumar B.; Roshini B.; Hemalatha G.M.; Preethi C.R.; Krishna D.V.S.	Enhancing Efficiency and Improving Power Quality in Grid-Connected 17-Level Multilevel Inverters for Renewable Energy Applications	Proceedings – 2024 2nd International Conference on Smart Technologies for Power and Renewable Energy, SPECon 2024
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734	Yogendra Prasad P.; Ramu M.; Varshini G.S.; Keerthi D.; Jyothsna K.; Neeraja C.K.	Classification and Regression Algorithms for Brain Computer Interfacing	2024 International Conference on Cognitive Robotics and Intelligent Systems, ICC - ROBINS 2024
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738	Kamaraj A.; Kumar V.; Vishnu Prasanth P.; Dutta R.; Roy B.; Chakraborty P.	FPGAs as Hardware Accelerators in Data Centers: A Survey From the Data Centric Perspective	Proceedings – 2nd IEEE International Conference on Device Intelligence, Computing and Communication Technologies, DICCT 2024
739	Somasundar Reddy C.; Kalyani Y.; Rao P.E.; Kumar P.K.; Divya K.	Multi Secure Lora Based Locking System Using Fingerprint and Face Recognition Methods	International Conference on Smart Systems for Applications in Electrical Sciences, ICSSSES 2024



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747	Anjaneyulu B.; Meenakshi Reddy R.; Sai Chaitanya Kishore D.; Tarigonda H.; Borukati S.R.	Prediction of Process Parameters in CNC Milling of Natural Composites	Lecture Notes in Mechanical Engineering
748	Sujatha M.S.; Reddy M.G.M.; Reddy C.B.; Sriyesh V.S.; Sofiya K.; Sulthan E.T.	RC4 Cipher Based Securing of Data Exchange in Smart Grid	Proceedings – 2024 2nd International Conference on Smart Technologies for Power and Renewable Energy, SPECon 2024



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751	Saini A.K.; Gupta A.A.; Keservani R.K.; Kachave R.N.; Dharmamoorthy G.; Kes-harwani R.K.; Patil S.J.	HIV/AIDS neurological disorders	A Review on Diverse Neurological Disorders: Pathophysiology, Molecular Mechanisms, and Therapeutics
752	Praveena H.D.; Anusha G.; Geethika K.; Chakradhar N.; Naik K.M.	Design of 1×4 Circular Ring Microstrip Antenna to Enable Greater Gain at Millimeter Wave Frequencies	Proceedings – 2024 1st International Conference on Innovative Sustainable Technologies for Energy, Mechatronics and Smart Systems, ISTEMS 2024
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754	Prathima C.; Lakshmi Anuradha M.V.N.S.; Ganesh G.S.; Simha Reddy E.B.; Gorentla U.K.	Astronomical Image Classification using Machine Learning for Point Source Image Detection	2024 11th International Conference on Reliability, Infocom Technologies and Optimization (Trends and Future Directions), ICRITO 2024
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759	Bharathi G.P.; Yamunaa P.; Farook S.; Varshney N.; Poornashri M.R.; Kumar M.J.	Value Chain in the Recycling of Photovoltaic Modules	Proceedings of 9th International Conference on Science, Technology, Engineering and Mathematics: The Role of Emerging Technologies in Digital Transformation, ICONSTEM 2024
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766	Ganesh D.; Harshavardhan V.C.	Cryptocurrency Market Dynamics: A Machine Learning-Based Approach for Price Prediction	International Conference on Smart Systems for Applications in Electrical Sciences, ICSSSES 2024
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775	Madhuri Ch.B.; Prathima Ch.; Jyoshna R.; Varsha V.S.; Khan P.A.; Babu S.M.	A Novel Approach to Predict the Satellite Image Using CNN-ResNet Model Through Flask Application	Proceedings of 9th International Conference on Science, Technology, Engineering and Mathematics: The Role of Emerging Technologies in Digital Transformation, ICONSTEM 2024
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