



Research Articles Indexed in Scopus

S. No.	Authors	Title	Source title	Volume Issue No, Year	Cited by
1	Tripathi A.K., Aruna M., Parida S., Nandan D., Elumalai P.V., Prakash E., Isaac Joshua Ramesh Lalvani J.S.C., Rao K.S.	Integrated smart dust monitoring and prediction system for surface mine sites using IoT and machine learning techniques	Scientific Reports	Vol. 14 No. 1, Year 2024,	
2	Ramesh Kumar R., Karthik K., Elumalai P.V., Elumalai R., Chandran D., Prakash E., Hassin N.	Enhancing automotive cooling systems: composite fins and nanoparticles analysis in radiators	Scientific Reports	Vol. 14 No. 1 Year 2024	
3	Elumalai R., Ravi K., Elumalai P.V., Sreenivasa Reddy M., Prakash E., Sekar P.	Development of an ammonia-biodiesel dual fuel combustion engine's injection strategy map using response surface optimization and artificial neural network prediction	Scientific Reports	Vol. 14 No. 1 Year 2024	
4	Jilte R., Afzal A., Khan S.A., Asif M., Venkatesan E.P., Munimathan A.	Cooling performance of a Li-ion cylindrical battery pack with liquid circulating pipes embedded in phase change material	Journal of Energy Storage	Vol. 87 Year 2024	
5	Elumalai R., Sumathy S., K R., Akhtar M.N., P V E., Khan S.A., Gupta M.S., Asif M.	Experimental investigation and gray relational optimization of engine parameters to improve the output characteristics of an ammonia biodiesel powered dual fuel combustion engine	Case Studies in Thermal Engineering	Vol. 56 Year 2024	



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9	Devana V.N.K.R., Radha N., Sunitha P., Alsunaydih F.N., Alsaleem F., Alhassoon K.	Compact MIMO UWB antenna integration with Ku band for advanced wireless communication applications	Heliyon	Vol. 10 No.5 Year 2024	
10	Rao K.S.V.V.P., Anitha M., Rao V.S.	Improved KY Buck-Boost Converter with Meta-Heuristic Optimization for HRES Based EV-Charging	SSRG International Journal of Electrical and Electronics Engineering	Vol. 11 No.3 Year 2024	



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12	Arul U., Arun V., Rao T.P., Baskaran R., Kirubakaran S., Hussan M.I.T.	Effective Anomaly Identification in Surveillance Videos Based on Adaptive Recurrent Neural Network	Journal of Electrical Engineering and Technology	Vol. 19 No.3 Year 2024	
13	Bhagat S.K., Saikia L.C., Babu N.R.	Application of an optimal tilt controller in a partial loading schedule of multi-area power system considering HVDC link and virtual inertia	ISA Transactions	Vol. 146 Year 2024	
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15	Bhagat S.K., Saikia L.C., Babu N.R.	Inertia Emulation Control Strategy of an Accurate Model of HVDC Link in a Multi-area Automatic Generation Control System Integrated Precise Wind Turbine System	Iranian Journal of Science and Technology - Transactions of Electrical Engineering	Vol. 48 No.1 Year 2024	



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17	Prasad P.S.S., Nayak S.K., Krishna M.V.	ENHANCED INSIDER THREAT DETECTION THROUGH MACHINE LEARNING APPROACH WITH IMBALANCED DATA RESOLUTION	Journal of Theoretical and Applied Information Technology	Vol. 102 No.3 Year 2024	
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19	Anitha C., Tandon S., Vamsikrishna M., Arunmozhi M., Chauhan M., Bajaj R.	Role of IoT Intelligence System & Big Data Management to Control Flood Data	International Journal of Intelligent Systems and Applications in Engineering	Vol. 12 No.15 Year 2024	
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23	Lakshmanarao A., Srisaila A., Ravi Kiran T.S., Kumar K.V., Koppireddy C.S.	An efficient smart grid stability prediction system based on machine learning and deep learning fusion model	Indonesian Journal of Electrical Engineering and Computer Science	Vol. 33 No.2 Year 2024	
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28	Kolli S., Elangovan M., Vamsikrishna M., Patro P.	AI Fuzzy Based Prediction and Prorogation of Alzheimer's Cancer	EAI Endorsed Transactions on Pervasive Health and Technology	Vol.10 Year 2024	
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33	Saha A., Dash P., Chiranjeevi T., Ram Babu N.	Implementation of combined hydrogen aqua electrolyser-fuel cell and redox-flow-battery under restructured situation of AGC employing TSA optimized PDN(FOPI) controller	Journal of Taibah University for Science	Vol.18 No.1 Year 2024	
34	Varatharajulu M., Duraiselvam M., Krishna Pradeep G.V., Jagadeesh B.	Exploring Epitaxial Grain Growth And Marangoni-Induced Conversion In Columnar Dendrites: A Study Of Inconel 718 Additive Manufacturing Via Direct Laser Energy Deposition	Surface Review and Letters	Year 2024	
35	Prasad A.V.R.S., Parige L.S., Babu A.C.S., Kamesh V.V., Medikundu N.R., Das S.	Power-Optimized Information Systems for Mobile Robotics in Physical Processes	Journal of Nano-and Electronic Physics	Vol.16 No.1 Year 2024	



36	Ghosh S.S., Chattopadhyay S., Arigela S.H., Kamesh V.V., Das A., Das S.	Expeditious Identification of IGBT Switch Fault in Bidirectional Microgrid Inverter Linked to Distributed Energy Resources	Journal of Nano-and Electronic Physics	Vol.16 No.1 Year 2024	
37	Srividya K., Ravichandran S., Thirunavukkarasu M., Veeranjanyulu I., Satishkumar P., Bharadwaja K., Rao N.S., Subbiah R., Manikanta J.E.	Examination of electrochemical machining parameters for AA6082/ZrSiO ₄ /SiC composite using Taguchi-ANN approach	International Journal on Interactive Design and Manufacturing	Year 2024	
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39	Janumala E., Govindarajan M., Reddi B.V., Manickam M., Venkatesan E.P., Saleel C.A., Alwetaishi M., Shaik S., Nur-E-Alam M., Soudagar M.E.M.	Exploring thermal dynamics of polyaniline-modified paraffin wax phase change material with varied PANI loadings (1â€“4% wt.)	Heat and Mass Transfer/Waerme-und Stoffuebertragung	Year 2024	
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45	Devana V.N.K.R., Beno A., Devadoss C.P., Sukanya Y., Ravi Sankar C.V., Balamuralikrishna P., Chandrasekhar S., Babu K.V.	A Compact Self Isolated MIMO UWB Antenna with Band Notched Characteristics	IETE Journal of Research	Year 2024	



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53	Maithili K., Prabhakara Rao T., Ambhika C., Divya Y., Supriya B.Y., Sundar R., Rao T., Balajee J.	An Effective Twitter Spam Detection Model using Multiple Hidden Layers Extreme Learning Machine	International Journal of Intelligent Systems and Applications in Engineering	Vol.12 No.1s Year 2024	
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413	Natrayan L., Swamy Nadh V., Katubi K.M., Ali D., Lemu D.G.	Adsorption of SO ₂ on ZnO Nanowires Using Activated Carbon by Langmuir Adsorption Isotherm	Adsorption Science and Technology	Vol 2022 Year 2022	5
414	Devi C., Vijayan D.S., Nagalingam R., Arvindan S.	A review of the implementations of glass fiber in concrete technology	Materials Today: Proceedings	Vol 62 Year 2022	9
415	Ganesh P., Naidu G.B.S.R., Swaroopa K., Rahul R., Almadhor A., Senthilkumar C., Gangodkar D., Rajaram A., Yeshitla A.	Implementation of Hidden Node Detection Scheme for Self-Organization of Data Packet	Wireless Communications and Mobile Computing	Vol 2022 Year 2022	25



416	Tripathi A.K., Aruna M., Ray S., Gowripathi Rao N.R.N.V., Vamshi Krishna S., Nandan D.	Development and Evaluation of Dust Cleaning System for a Solar PV Panel	Journal of Engineering Research (Kuwait)	Vol 10 Year 2022	2
417	Sridhar S., Valeti S.V., Koti V., Sathish S., Chand R.R., Sivakumar N.S., Mahesh M., Subbiah R., Veerappan G.	Surface Modification of Strenx 900 Steel Using Electrical Discharge Alloying Process with Cu-10Ni- CrxPowder Metallurgy Sintered Electrode	Materials Research	Vol 25 Year 2022	3
418	Dilip G., Guttula R., Rajeyyagari S., Hemalatha S., Pandey R.R., Bora A., R. Kshirsagar P., Khanapurkar M.M., Sundramurthy V.P.	Artificial Intelligence-Based Smart Comrade Robot for Elders Healthcare with Strait Rescue System	Journal of Healthcare Engineering	Vol 2022 Year 2022	15
419	Lakshmanarao A., Shashi M.	Android Malware Detection with Deep Learning using RNN from Opcode Sequences	International Journal of Interactive Mobile Technologies	Vol 16 No 1 Year 2022	7
420	Gamini S., Kumar S.S.	A Qualitative Report on Diffusion based Image Inpainting Models	International Journal of Computing and Digital Systems	Vol 11 No 1 Year 2022	2



421	Babu B.V., Reddi M.S., Krishna A.R., Mohan B.S., Chandana G., Devi K.A., Sridhar B., Samatha K.	Structural, Impedance and Modulus Studies of Effect of Magnesium (Mg) Substitution on Spinel $\text{Li}_4\text{Ti}_5\text{O}_{12}$ Anode Materials	Transactions on Electrical and Electronic Materials	Year 2022	2
422	Siva Kumar O.V.P.R., Sundaramoorthy A., Padmapriya V.S., Dhineshbabu N.R.	Preparation of freestanding films from SWCNT/PANI nanocomposites using different blending techniques and characterization of their EMI shielding effectiveness in X-band	Phosphorus, Sulfur and Silicon and the Related Elements	Vol 197 No 3 Year 2022	2
423	Bala Prabhakar M., Kalesha Vali S., Sambasiva Rao M.	Generalized lower sets of transitive be- algebras	Palestine Journal of Mathematics	Vol 11 No 1 Year 2022	
424	Vettumperumal R., Dhineshbabu N.R., Karthikeyan B.	Material characterizations of Moringa oleifera gum (MOG)	Phosphorus, Sulfur and Silicon and the Related Elements	Vol 197 No 3 Year 2022	1
425	Kunar S.	Micro-electrochemical jet machining of large area microtexturing with tool movement strategy	Materials and Manufacturing Processes	Vol 37 No 6 Year 2022	5



426	Khader Basha S., Ranjit P.S., Kotturi R.K., Ravi Kumar B.	Experimental investigation of diesel engine with Neem seed oil and compressed natural gas	International Journal of Ambient Energy	Vol 43 No 1 Year 2022	2
427	Dash S.K., Lingfa P., Barik D.	Combined adjustment of injection timing and compression ratio for an agricultural diesel engine fuelled with Nahar methyl ester	International Journal of Ambient Energy	Vol 43 No 1 Year 2022	12
428	Suresh J., Trinadh B., Vikram Babu B., Reddy P.V.S.S.S.N., Rama Krishna A., Sathish Mohan B., Yarra R., Samatha K.	Micro-structural, dielectrical and magnetic properties of Cu ²⁺ substituted Ni _{0.7} Mn _{0.3-x} Cu _x Fe ₂ O ₄ (x = 0.0, 0.05, 0.1, 0.15 and 0.2) nano-ferrites	Journal of Magnetism and Magnetic Materials	Vol 540 Year 2021	5
429	Rama Reddy T., Prasad Reddy P.V.G.D., Srinivas R., Raghavendran C.V., Lalitha R.V.S., Annapurna B.	Proposing a reliable method of securing and verifying the credentials of graduates through blockchain	Eurasip Journal on Information Security	Vol 2021 No 1 Year 2021	13
430	Subramani A.K., Ramani S.E., Selvasembian R.	Understanding the microstructure, mineralogical and adsorption characteristics of guar gum blended soil as a liner material	Environmental Monitoring and Assessment	Vol 193 No 12 Year 2021	6



431	Dangeti S.S.A., Sekharamanthy C.K.P., Bayanti V.K., Raju Ch B.A., Murthy K.V.S.R., Tirupathi A.	A cascaded converter using hybrid cells and h-bridge structure	Bulletin of Electrical Engineering and Informatics	Vol 10 No 6 Year 2021	3
432	Nunna S.D.S., Ketha A., Padamat S.S.G., Rambabu K., Kshirsagar U.A., Tirupathi A.	A single-phase simplified DC-AC converter using DC-link capacitors and an h-bridge	Bulletin of Electrical Engineering and Informatics	Vol 10 No 6 Year 2021	2
433	Vedantam S.K., Sagili J.L., Dikkala P.K., Sridhar K.	Functional, thermal, pasting, and rheological properties of gluten-free maize composite flour: Effect of moth bean flour and hydrocolloid addition	Journal of Food Processing and Preservation	Vol 45 No 12 Year 2021	4
434	Arunmetha S., Dhineshababu N.R., Kumar A., Jayavel R.	Preparation of sulfur doped TiO ₂ nanoparticles from rutile sand and their performance testing in hybrid solar cells	Journal of Materials Science: Materials in Electronics	Vol 32 No 24 Year 2021	4
435	Tripathy D.P., Parida S., Khandu L.	Safety Risk Assessment and Risk Prediction in Underground Coal Mines Using Machine Learning Techniques	Journal of The Institution of Engineers (India): Series D	Vol 102 No 2 Year 2021	7



436	Vettumperumal R., Maheswaran C., Henry J., Mohanraj K., Dhineshabu N.R.	Analysis of Electrical and Impedance Properties of the Group-I (Li, Na, K & Cs) Doped ZnO Nanorods	Journal of Electronic Materials	Vol 50 No 12 Year 2021	3
437	Bellum R.R.	Influence of anti-washout admixtures on the strength and microstructural characteristics of geopolymers concrete	Journal of Building Pathology and Rehabilitation	Vol 6 No 1 Year 2021	1
438	Ebenezer N.S., Vinod B., Jagadesh H.S.	Effect of Heat Treatment on the Corrosion Behaviour of Nickel Surface- Deposited Agro-Reinforced Metal Matrix Composites	Journal of The Institution of Engineers (India): Series D	Vol 102 No 2 Year 2021	
439	Elumalai P.V., Parthasarathy M., Lalvani J.S.C.I.J., Mehboob H., Samuel O.D., Enweremadu C.C., Saleel C.A., Afzal A.	Effect of injection timing in reducing the harmful pollutants emitted from CI engine using N-butanol antioxidant blended eco-friendly Mahua biodiesel	Energy Reports	Vol 7 Year 2021	50
440	Pachipala S., Guda A., Babu M.S., Veeramarayana B., Murthy K.V.S.R., Tirupathi A.	A series-connected switched source and an H-bridge based multilevel inverter	Indonesian Journal of Electrical Engineering and Computer Science	Vol 24 No 2 Year 2021	6



441	Kumar V.V., Rao M.S., Vali S.K.	Quasi-Complemented BE-Algebras	Discussiones Mathematicae - General Algebra and Applications	Vol 41 No 2 Year 2021	1
442	Zubairuddin M., Ravi kumar R., Chaurasia P.K., Ali B.	Thermo-mechanical analysis of laser welding of Grade 91 steel plates	Optik	Vol 245 Year 2021	4
443	Suresh J., Trinadh B., Vikram Babu B., Reddy P.V.S.S.S.N., Sathish Mohan B., Rama Krishna A., Samatha K.	Evaluation of micro-structural and magnetic properties of nickel nano-ferrite and Mn ²⁺ substituted nickel nano-ferrite	Physica B: Condensed Matter	Vol 620 Year 2021	16
444	Sahoo G.S., Routray S., Pradhan K.P., Mishra G.P.	Electrical, Optical, and Reliability Analysis of QD-Embedded Kesterite Solar Cell	IEEE Transactions on Electron Devices	Vol 68 No 11 Year 2021	10
445	Muflihah Y.M., Gollavelli G., Ling Y.-C.	Correlation study of antioxidant activity with phenolic and flavonoid compounds in 12 Indonesian indigenous herbs	Antioxidants	Vol 10 No 10 Year 2021	73



446	Saravanan A., Murugan M., Reddy M.S., Ranjit P.S., Elumalai P.V., Kumar P., Sree S.R.	Thermo-hydraulic performance of a solar air heater with staggered C-shape finned absorber plate	International Journal of Thermal Sciences	Vol 168 Year 2021	53
447	Vengatakrishnan U., Subramanian K., Rajapandi V., Raman D.N.	Effect of ultraviolet and solar radiation on photocatalytic dye (Black-E and Congo red) degradation using copper oxide nanostructure particles	Iranian Journal of Materials Science and Engineering	Vol 18 No 3 Year 2021	3
448	Papu N.H., Lingfa P., Dash S.K.	An experimental investigation on the combustion characteristics of a direct injection diesel engine fuelled with an algal biodiesel and its diesel blends	Clean Technologies and Environmental Policy	Vol 23 No 6 Year 2021	11
449	Elumalai P.V., Sivakandhan C., Parthasarathy M., Mohamed Iqbal S., Arunkumar M.	Investigation on the mitigation of environmental harmful emissions by incorporating nanoparticles to biofuel water nano emulsion in low heat rejection engine	Heat and Mass Transfer/Waerme- und Stoffuebertragung	Vol 57 No 8 Year 2021	21
450	Kumar P., Sinha A.N., Hirwani C.K., Murugan M., Saravanan A., Singh A.K.	Effect of welding current in TIG welding 304L steel on temperature distribution, microstructure and mechanical properties	Journal of the Brazilian Society of Mechanical Sciences and Engineering	Vol 43 No 7 Year 2021	8



451	Kumar P., Sinha A.N., Saravanan A., Murugan M., Hirwani C.K.	Study of microstructure and mechanical properties of NiTi wire cladding on super austenitic stainless steel 904L by TIG cladding process	Sadhana - Academy Proceedings in Engineering Sciences	Vol 46 No 2 Year 2021	
452	Dhineshbabu N.R., Vettumperumal R.	Linear and Nonlinear Optical Properties of CuO NPs for Photonics	Journal of Electronic Materials	Vol 50 No 6 Year 2021	3
453	Kumar P., Sinha A.N., Hirwani C.K., Singh A.K., Pathak P.K., Murugan M., Saravanan A.	Investigation of TIG Cladding of NiTi Wire on Substrate 304L to Study the Effect of Applied Current on Microstructure and Mechanical Properties	Transactions of the Indian Institute of Metals	Vol 74 No 6 Year 2021	4
454	Parthasarathy M., Ramkumar S., Elumalai P.V., Kumar Gupta S., Krishnamoorthy R., Mohammed Iqbal S., Kumar Dash S., Silambarasan R.	Experimental investigation of strategies to enhance the homogeneous charge compression ignition engine characteristics powered by waste plastic oil	Energy Conversion and Management	Vol 236 Year 2021	62
455	Kommula B.N., Song H., Chen L., Xu C.	Efficient energy management of hybrid renewable energy sources-based smart-grid system using a hybrid IDEA-CFA technique	International Transactions on Electrical Energy Systems	Vol 31 No 5 Year 2021	3



456	Padhee S., Nandan D.	Design of automated visual inspection system for beverage industry production line	Traitement du Signal	Vol 38 No 2 Year 2021	5
457	Misra S., Sridevi G., Laskar R.H.	Modeling a Virtual Bare-Hand Interface System Using a Robust Hand Detection Approach for HCI	International Journal of Pattern Recognition and Artificial Intelligence	Vol 35 No 5 Year 2021	1
458	Kunar S., Bhattacharyya B.	Influence of Various Pulse Waveforms during Fabrication of Micro Rectangular Pattern by Masked Tool using Electrochemical Micromachining	Journal of Advanced Manufacturing Systems	Vol 20 No 1 Year 2021	10
459	Hemalatha S., Nagaraja M., Madhu A., Suresh K., N S.	The role of Sm ₂ O ₃ on the structural, optical and spectroscopic properties of multi-component ternary borate glasses for orange-red emission applications	Journal of Non-Crystalline Solids	Vol 554 Year 2021	26
460	Dhineshbabu N.R., Vettumperumal R., Kokila R.	A study of linear optical properties of ternary blends PVA/CMC/aloe vera biofilm for UV shielding	Applied Nanoscience (Switzerland)	Vol 11 No 2 Year 2021	8



461	Lakshmanarao A., Babu M.R., Kiran T.S.R.	An Efficient Covid19 Epidemic Analysis and Prediction Model Using Machine Learning Algorithms	International journal of online and biomedical engineering	Vol 17 No 11 Year 2021	8
462	Kunar S., Tiwary A.P., Kibria G., Prasad B.V.	Investigation into Machining Accuracy of Micro Circular Pattern Fabricated by Maskless Electrochemical Micromachining	Journal of Engineering Science and Technology Review	Vol 14 No 4 Year 2021	1
463	Kumar V.V., Rao M.S., Vali S.K.	REGULAR FILTERS OF COMMUTATIVE BE-ALGEBRAS	Turkish World Mathematical Society Journal of Applied and Engineering Mathematics	Vol 11 No 4 Year 2021	1
464	Karthik T.S., Dinesh Babu N.R., Raman R., Meenakshi Sundaram G., Selvaraju P., Kumar K.P.	Evaluate and design the mini-hexagon-shaped monopole antenna controller to minimize losses in the unit	Journal of Nuclear Energy Science and Power Generation Technology	Vol 10 No 9 Year 2021	
465	Rajesh P., Shajin F.H., Mouli Chandra B., Kommula B.N.	Diminishing Energy Consumption Cost and Optimal Energy Management of Photovoltaic Aided Electric Vehicle (PV-EV) By GFO-VITG Approach	Energy Sources, Part A: Recovery, Utilization and Environmental Effects	Year 2021	50



466	Raju P.S.D.B., Intuk K., Murthy K.V.S.R., Ravindra K.	Optimal Distributed Generator Placement - A Bibliometric Survey	Library Philosophy and Practice	Vol 2021 Year 2021	2
467	Ramachandra Murthy K.V.S., Vijay Kumar D., Kambhampati L., Srinivas R.	Load Flow Solution of Distribution Systems - A Bibliometric Survey	Library Philosophy and Practice	Vol 2021 Year 2021	
468	Prabhakar M.B., Vali S.K., Rao M.S.	Ideals of transitive be-algebras	Palestine Journal of Mathematics	Vol 10 No 2 Year 2021	
469	Murthy K.V.S.R., Rani K.P., Ramesh A., Nandan D.	Optimal Capacitor Placement - A Bibliometric Survey	Library Philosophy and Practice	Vol 2021 Year 2021	
470	Kumar S., Kumar R., Nandan D.	Circular slotted antenna with CPW feed for GSM and UWB applications	International Journal of Sensors, Wireless Communications and Control	Vol 11 No 2 Year 2021	2



471	Vanathi A., Nagamalleswara Rao N.	Improving data aggregation efficiency using multi-layer approach in iot	Indian Journal of Computer Science and Engineering	Vol 12 No 2 Year 2021	
472	Elumalai P.V., Parthasarathy M., Murugan M., Saravanan A., Sivakandhan C.	Effect of Cerium Oxide Nanoparticles to Improve the Combustion Characteristics of Palm Oil Nano Water Emulsion using Low Heat Rejection Engine	International Journal of Green Energy	Vol 18 No 14 Year 2021	22
473	Arunachalam V., Nallamotheu N.R.	Load Balancing in RPL to Avoid Hotspot Problem for Improving Data Aggregation in IoT	International Journal of Intelligent Engineering and Systems	Vol 14 No 1 Year 2021	2
474	Ganesh Pardhu B.S.S., Kota V.R.	Radial movement optimization based parameter extraction of double diode model of solar photovoltaic cell	Solar Energy	Vol 213 Year 2021	36
475	Sharma N., Lalepalli A.K., Hirwani C.K., Das A., Panda S.K., Topal U., Dede T.	Optimal deflection and stacking sequence prediction of curved composite structure using hybrid (FEM and soft computing) technique	Engineering with Computers	Vol 37 No 1 Year 2021	19
476	Gowtham Deekshithulu N.V., Tejaswini V.V., Surekha D., Prem Shanti Y.	Development of different irrigation systems calculator using VB6	Indian Journal of Ecology	Vol 47 No 4 Year 2020	



477	Anantha Rao P., Raghavendra V., Suryanarayana B., Paulos T., Murali N., Phanidhar Varma P.V.S.K., Giri Prasad R., Ramakrishna Y., Chandramouli K.	Cadmium substitution effect on structural, electrical and magnetic properties of Ni-Zn nano ferrites	Results in Physics	Vol 19 Year 2020	16
478	Raman D.N., Rajapandi V., Sundaramoorthy A., Ravisekaran S.S., Annadurai N.	Naturally derived FeTiO ₃ nanoparticles: analysis of optical properties	Journal of Materials Science: Materials in Electronics	Vol 31 No 19 Year 2020	2
479	Saravanan A., Murugan M.	Performance evaluation of square pyramid solar still with various vertical wick materials – An experimental approach	Thermal Science and Engineering Progress	Vol 19 Year 2020	69
480	Hirwani C.K., Panda S.K.	Nonlinear transient analysis of delaminated curved composite structure under blast/pulse load	Engineering with Computers	Vol 36 No 4 Year 2020	24
481	Vallem S.R., Kuchibhotla M.R., Annambhotla B.S.R.	Application of fuzzy entropy for the rating of epicyclic gear trains	Australian Journal of Mechanical Engineering	Vol 18 No 3 Year 2020	1



482	Kanna R.R., Sakthipandi K., Kumar A.S., Dhineshbabu N.R., Maraikkayar S.M.S.M.A., Afroze A.S., Jotania R.B., Sivabharathy M.	Synthesis of dysprosium/Mn ²⁺ /Cu ferrite binary nanocomposite: Analysis of structural, morphological, dielectric, and optomagnetic properties	Ceramics International	Vol 46 No 9 Year 2020	33
483	Shrivastava P.K., Singh B., Shrivastava Y., Pandey A.K., Nandan D.	Investigation of optimal process parameters for laser cutting of Inconel-718 sheet	Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science	Vol 234 No 8 Year 2020	12
484	Guttula R., Nandanavanam V.R.	Patch antenna design optimization using opposition based grey wolf optimizer and map-reduce framework	Data Technologies and Applications	Vol 54 No 1 Year 2020	9
485	Saravanan A., Murugan M., Sreenivasa Reddy M., Parida S.	Performance and emission characteristics of variable compression ratio CI engine fueled with dual biodiesel blends of Rapeseed and Mahua	Fuel	Vol 263 Year 2020	108
486	Vahida S., Srinivas R., Rama Reddy T., Shabuddin S., Durga Anuja R.	Irrigation made easy: Block wise filling of farm filed using wsn system	International Journal of Scientific and Technology Research	Vol 9 No 2 Year 2020	



487	Gupta S., Gupta R., Padhee S.	Stability and weighted sensitivity analysis of robust controller for heat exchanger	Control Theory and Technology	Vol 18 No 1 Year 2020	4
488	DeviPriya K., Lingamgunta S.	Multi Factor Two-way Hash-Based Authentication in Cloud Computing	International Journal of Cloud Applications and Computing	Vol 10 No 2 Year 2020	19
489	Papu N.H., Lingfa P., Dash S.K.	Euglena Sanguinea algal biodiesel and its various diesel blends as diesel engine fuels: a study on the performance and emission characteristics	Energy Sources, Part A: Recovery, Utilization and Environmental Effects	Year 2020	14
490	Rama Sree S., Ramesh S.N.S.V.S.C.	Artificial intelligence aided diagnosis of Chronic Kidney Disease	Journal of Critical Reviews	Vol 7 No 12 Year 2020	1
491	Vanathi A., Naga Malleswara Rao N., Naga Subrahmanyeswari N., Lakshmi P.N.S.	Characteristics diagnosis of white blood cells using CNN	Journal of Critical Reviews	Vol 7 No 9 Year 2020	
492	Nandan D.	An efficient antilogarithmic converter by using correction scheme for DSP processor	Traitement du Signal	Vol 37 No 1 Year 2020	6



493	Misra S., Laskar R.H.	Integrated features and GMM Based Hand Detector Applied to Character Recognition System under Practical Conditions	Multimedia Tools and Applications	Vol 78 No 24 Year 2019	12
494	Kumar S., Kumar R., Singh M.K., Nandan D.	A multiple band-notched monopole antenna with incorporated gsm and uwb for wireless applications	International Journal of Advanced Science and Technology	Vol 28 No 16 Year 2019	12
495	Murugan M., Vijayan R., Saravanan A.	Improving performance of a trapezoidal-trough thermosyphon solar collector using peripherally wing-cut swirl generator	International Journal of Green Energy	Vol 16 No 14 Year 2019	6
496	Hirwani C.K., Panda S.K.	Nonlinear thermal free vibration frequency analysis of delaminated shell panel using FEM	Composite Structures	Vol 224 Year 2019	34
497	Selvamalar N., Vinoba V.	Role of heuristic algorithms in minimizing the makespan of fuzzy flow shop scheduling problem	International Journal of Recent Technology and Engineering	Vol 8 No 3 Year 2019	



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499	Sridevi G., Srinivas Kumar S.	Image Inpainting Based on Fractional-Order Nonlinear Diffusion for Image Reconstruction	Circuits, Systems, and Signal Processing	Vol 38 No 8 Year 2019	67
500	Ramachandra Murthy K.V.S., Bhimaraju P.S.D., Ravindra K.	Effect of penetration of solar DGs on transient stability of captive power generation units	International Journal of Engineering and Advanced Technology	Vol 8 6 Special Issue 2 Year 2019	
501	Reddy S.R.K., Satish Kumar A., Urmila P.	Retrofitting measures of guntupalli caves, West Godavari District, Andhra Pradesh, India, using reinforced rock technique	International Journal of Recent Technology and Engineering	Vol 8 2 Special Issue 8 Year 2019	
502	Rama Sree S., Ramesh S.N.S.V.S.C., Prasada Rao C.	An effective software effort estimation based on functional points using soft computing techniques	International Journal of Innovative Technology and Exploring Engineering	Vol 8 No 10 Year 2019	1



503	Yadav M.E.K., Kishore P.R., Kumar A.S., Swetha Sri A.S.	Influence of sisal fibers on the properties of rammed earth	International Journal of Innovative Technology and Exploring Engineering	Vol 8 9 Special Issue 2 Year 2019	2
504	Prasanna D.V.L., Subba Rao R., Murty A.V.S.N., Ramana G.V.	A comparison of fuzzy game matrix solutions using defuzzification methods with a new method	International Journal of Recent Technology and Engineering	Vol 8 No 1 Year 2019	
505	Tilak Babu S.B.G., Prasad K.H.K., Gandeti J., Kadali D.B., Satyanarayana V., Pavani K.	Image fusion using eigen features and stationary wavelet transform	International Journal of Innovative Technology and Exploring Engineering	Vol 8 8 Special Issue 3 Year 2019	2
506	Murugan M., Vijayan R., Saravanan A., Jaisankar S.	Influence of corrugated booster reflectors in a centrally finned twist inserted solar thermal collector on heat transfer and thermal performance characteristics	Journal of Heat Transfer	Vol 141 No 6 Year 2019	4
507	Saravanan A., Jaisankar S.	Heat transfer augmentation techniques in forced flow V-trough solar collector equipped with V-cut and square cut twisted tape	International Journal of Thermal Sciences	Vol 140 Year 2019	43



508	Veerendra G.T.N., Manoj A.P., Kumar A.S., Urmila P.	Evaluation of Drainage and Surface Water Resources of Brahmayyalingam Lake in Agiripalli Mandal, Krishna District, A.P., India Using Geo-Spatial Technologies	International Journal of Recent Technology and Engineering	Vol 7 No 6 Year 2019	1
509	Saravanan A., Senthilkumaar J.S., Jaisankar S., Ananth J.	Influence of helix twisted tape on heat transfer and friction factor in forced circulation V-trough solar water heater	International Journal of Sustainable Energy	Vol 38 No 2 Year 2019	5
510	Urmila P., Kumar A.S., Kumar A.L.P., Haripavan N.	Strengthening of reinforced concrete rectangular columns by using FRP sheets	International Journal of Engineering and Advanced Technology	Vol 8 3 Special Issue Year 2019	
511	Murugan M., Vijayan R., Saravanan A., Jaisankar S.	Performance enhancement of centrally finned twist inserted solar collector using corrugated booster reflectors	Energy	Vol 168 Year 2019	27
512	Tirupataiah C., Suneel Kumar A., Narendrudu T., Chinna Ram G., Sambasiva Rao M.V., Veeraiah N., Krishna Rao D.	Characterization, optical and luminescence features of cobalt ions in multi-component $PbO-Al_2O_3-TeO_2-GeO_2-SiO_2$ glass ceramics	Optical Materials	Vol 88 Year 2019	19



513	Rajyalakshmi U., Rao S.K., Prasad K.S.	Image automatic categorisation using selected features attained from integrated non-subsampled contourlet with multiphase level sets	Defence Life Science Journal	Vol 4 No 1 Year 2019	6
514	Rao I.R.S., Gupta V.S.S.R., Naresh Ch., Divya K.	Influence of additives on surface and strength properties of clayey\ soil- A n experimental study	Indian Journal of Environmental Protection	Vol 39 No 12 Year 2019	
515	Pandey H.K., Hirwani C.K., Sharma N., Katariya P.V., Dewangan H.C., Panda S.K.	Effect of nano glass cenosphere filler on hybrid composite eigenfrequency responses-An FEM approach and experimental verification	Advances in Nano Research	Vol 7 No 6 Year 2019	34
516	Singh M.K., Nandan D., Kumar S.	Statistical analysis of lower and raised pitch voice signal and its efficiency calculation	Traitement du Signal	Vol 36 No 5 Year 2019	52
517	Kunche M.C., Mishra P.K., Nallala H.B., Hirwani C.K., Katariya P.V., Panda S., Panda S.K.	Theoretical and experimental modal responses of adhesive bonded T-joints	Wind and Structures, An International Journal	Vol 29 No 5 Year 2019	19



518	Rapaka S., Kumar P.R., Rajasekhar M., Bhaskar Y.B.N.V.	An efficient method for segmentation of noisy and non-circular iris images using optimal multilevel thresholding	Journal of Advanced Research in Dynamical and Control Systems	Vol 11 2 Special Issue Year 2019	1
519	Radha N., Babu T.R.	Multifocus color image fusion based on walsh Hadamard transform and sum- modified-Laplacian focus measure	International Journal of Intelligent Engineering and Systems	Vol 12 No 1 Year 2019	2
520	Lakshmi P.	Assessment of Godavari River water quality in and around Rajamahendravaram	International Journal of Innovative Technology and Exploring Engineering	Vol 8 No 5 Year 2019	
521	Urmila P., Kumar A.S., Kumar A.L.P., Haripavan N.	Strengthening of reinforced concrete rectangular columns by using frp sheets	International Journal of Engineering and Advanced Technology	Vol 8 No 2 Year 2018	
522	Muthevi A.K., Uppu R.B.	Deceased leaf identification using the geometric Local binary patterns (GLBP)	ARPJ Journal of Engineering and Applied Sciences	Vol 13 No 23 Year 2018	



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524	Siva Reddy K.V., Moulali S.K., Harinadha Reddy K., Rami Reddy C., Rajanna B.V., Venkateswarlu G., Amarendra C.	Resonance propagation and elimination in integrated and islanded microgrids	International Journal of Power Electronics and Drive Systems	Vol 9 No 3 Year 2018	15
525	Medapati S.R., Kuchibhotla M.R., Annambhotla B.S.R.	A Novel Algorithm for the Generation of Distinct Kinematic Chain	Journal of The Institution of Engineers (India): Series C	Vol 99 No 3 Year 2018	3
526	Chinna Ram G., Narendrudu T., Veeraiah N., Jayasankar C.K., Krishna Rao D.	Influence of Bi ³⁺ ions on optical and luminescence properties of multi-component P ₂ O ₅ -PbO-Ga ₂ O-Pr ₂ O ₃ glass system	Optical Materials	Vol 77 Year 2018	7
527	Ramana G.V., Deekshitulu G.V.S.R.	Controllability, observability and stability of volterra type non-linear matrix integro-dynamic system on time scales	International Journal of Engineering and Technology(UAE)	Vol 7 No 3 Year 2018	1



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529	Periyala Acharyulu V.N., Lanka Murthy N.	Synthesis, biological and liquid crystalline evaluation of new substituted flavones	Research Journal of Chemistry and Environment	Vol 22 No 3 Year 2018	
530	Kamesh V.V., Rao K.M., Rao A.B.S.	An innovative approach to detect isomorphism in planar and geared kinematic chains using graph theory	Journal of Mechanical Design	Vol 139 No 12 Year 2017	39
531	Tirupataiah C., Narendrudu T., Suresh S., Srinivasa Rao P., Vinaya Teja P.M., Sambasiva Rao M.V., Chinna Ram G., Krishna Rao D.	Influence of valence state of copper ions on structural and spectroscopic properties of multi-component $PbO-Al_2O_3-TeO_2-GeO_2-SiO_2$ glass ceramic system- a possible material for memory switching devices	Optical Materials	Vol 73 Year 2017	19
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