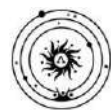
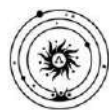


Research Articles Indexed in Scopus

S. No.	Authors	Article Title	Journal Name	Volume Issue No
1	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} -xCu _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
2	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
3	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
4	Dangeti S.S.A., Sekharamantray 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
5	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
6	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
7	Arunmetha S., Dhineshbabu 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
8	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

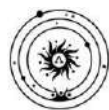


9	Vettumperumal R., Maheswaran C., Henry J., Mohanraj K., Dhineshbabu N.R.	Analysis of Electrical and Impedance Properties of the Group-I (Li, Na, K & Cs) Doped ZnO Nanorods	Journal of Electronic Materials	Vol 50 No 12 Year 2021
10	Bellum R.R.	Influence of anti-washout admixtures on the strength and microstructural characteristics of geopolymers concrete	Journal of Building Pathology and Rehabilitation	Vol 6 No 1 Year 2021
11	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
12	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
13	Pachipala S., Guda A., Babu M.S., Veeranarayana 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
14	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
15	Zubairuddin M., Ravi kumar R., Chaurasaia P.K., Ali B.	Thermo-mechanical analysis of laser welding of Grade 91 steel plates	Optik	Vol 245 Year 2021
16	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
17	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
18	Muflihah Y.M., Gollavelli G., Ling Y.-C.	Correlation study of antioxidant activity with phenolic and flavonoid	Antioxidants	Vol 10 No 10 Year 2021



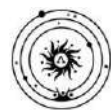
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		compounds in 12 indonesian indigenous herbs		
19	Saravanan A., Murugan M., Reddy M.S., Ranjit P.S., Elumalai P.V., Kumar P., Sree S.R.	Thermo-hydraulic performance of a solar air heater with staggered C-shape finned absorber plate	International Journal of Thermal Sciences	Vol 168 Year 2021
20	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
21	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
22	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
23	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
24	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
25	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
26	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



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27	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
28	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
29	Padhee S., Nandan D.	Design of automated visual inspection system for beverage industry production line	Traitement du Signal	Vol 38 No 2 Year 2021
30	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
31	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
32	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
33	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
34	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
35	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



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36	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
37	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
38	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
39	Raju P.S.D.B., Jntuk K., Murthy K.V.S.R., Ravindra K.	Optimal Distributed Generator Placement - A Bibliometric Survey	Library Philosophy and Practice	Vol 2021 Year 2021
40	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
41	Prabhakar M.B., Vali S.K., Rao M.S.	Ideals of transitive be-algebras	Palestine Journal of Mathematics	Vol 10 No 2 Year 2021
42	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
43	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
44	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
45	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



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46	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
47	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
48	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