

#	Year	Title	Authors	Source title	DOI	Publisher	Document Type	EID
1	2022	Bio-based polybenzoxazines as an efficient coatings to protect mild steel surfaces from corrosion	Ranganathan S., Arumugam H., Krishnasamy B., Sathy Srikandan S., Mallaiya K., Alagar M.	High Performance Polymers	10.1177 /09540083221085163	SAGE Publications Ltd	Article	2-s2.0-85127760307
2	2022	Influence of Ag ⁺ ions on the physical properties of spray coated CeO ₂ thin films and photo-response of p-Si/n-SDC junction diodes	Marnadu R., Kannan S.K., Vidhya M., Sujithkumar G., Mohanraj K., Maruthamuthu S., Al-Enizi A.M., Ubaidullah M., Vasudeva Reddy Minnam Reddy S.	Surfaces and Interfaces	10.1016/j.surfin.2022.101866	Elsevier B.V.	Article	2-s2.0-85126954824
3	2022	Beamforming design with fully connected analog beamformer using deep learning	Jeyakumar P., Tharanitaran N.M., Malar E., Muthuchidambaranathan P.	International Journal of Communication Systems	10.1002/dac.5109	John Wiley and Sons Ltd	Article	2-s2.0-85124077713
4	2022	Influence of In Doping on Physical Properties of Co-precipitation Synthesized CdO NPs and Fabrication of p-Si/n-CdIn ₂ O ₄ Junction Diodes for Enhanced Photodetection Applications	Kannan S.K., Thirunavukkarasu P., Marnadu R., Thangaraju D., Shkir M., Ali H.E., Reddy V.R.M.	Journal of Electronic Materials	10.1007 /s11664-021-09427-0	Springer	Article	2-s2.0-85124305489
5	2022	Authenticated Key Agreement Protocol for Secure Communication Establishment in Vehicle-to-Grid Environment With FPGA Implementation	Sureshkumar V., Chinnaraj P., Saravanan P., Amin R., Rodrigues J.J.P.C.	IEEE Transactions on Vehicular Technology	10.1109/TVT.2022.3146409	Institute of Electrical and Electronics Engineers Inc.	Article	2-s2.0-85124193855
6	2022	Corn silk extract-based solid-state biopolymer electrolyte and its application to electrochemical storage devices	Suvarnna K., Kirubavathy S.J., Selvasekarapandian S., Krishna M.V., Ramaswamy M.	Ionics	10.1007 /s11581-021-04415-0	Springer Science and Business Media Deutschland GmbH	Article	2-s2.0-85123506330
7	2022	Fabrication of Ag-TiO ₂ /Cardanol Epoxy-Based Composite Coatings Against Microbiologically Influenced Corrosion of Mild Steel	Chandrasatheesh C., Jayapriya J., Prabunathan P.	Journal of Polymers and the Environment	10.1007 /s10924-021-02295-z	Springer	Article	2-s2.0-85115835795
8	2022	An evaluation of activation energy, surface area, and catalytic activity relationship of the developed nonmetal alloy decorated Schiff's base based conjugated conductive polymer composite electrodes for fuel cell applications	Selvaraj V., Arunkumar K., Alagar M.	International Journal of Energy Research	10.1002/er.7456	John Wiley and Sons Ltd	Article	2-s2.0-85119286979
9	2022	Flexible Dispatch Strategy Adopted by Optimizing DG Parameters in a Real Time Power System Distributed Network	Shanmugapriya P., Kumaran M.S., Baskaran J., Nayanatara C., Sharmila P., Eltamaly A.M.	Journal of Electrical Engineering and Technology	10.1007 /s42835-021-00938-8	Korean Institute of Electrical Engineers	Article	2-s2.0-85119854732

10	2022	Activating endogenous resolution pathways by soluble epoxide hydrolase inhibitors for the management of COVID-19	Manickam M., Meenakshisundaram S., Pillaiyar T.	Archiv der Pharmazie	10.1002/ardp.202100367	John Wiley and Sons Inc	Review	2-s2.0-85119473759
11	2022	Optimization of Effective Doping Concentration of Emitter for Ideal c-Si Solar Cell Device with PC1D Simulation	Subramanian M., Nagarajan B., Ravichandran A., Subhash Betageri V., Thirunavukkarasu G.S., Jamei E., Seyedmahmoudian M., Stojcevski A., Mekhilef S., Minnam Reddy V.R.	Crystals	10.3390/cryst12020244	MDPI	Article	2-s2.0-85124536070
12	2022	Simulation of Pick and Place Robotic Arm using Coppeliassim	Rooban S., Iwin Thanakumar Joseph S., Manimegalai R., Eshwar I.V.S., Mageswari R.U.	Proceedings - 6th International Conference on Computing Methodologies and Communication , ICCMC 2022	10.1109/ICCMC53470.2022.9754013	Institute of Electrical and Electronics Engineers Inc.	Conference Paper	2-s2.0-85129151698
13	2022	Development and characterization of eco-friendly biopolymer gellan gum based electrolyte for electrochemical application	Periyajeyam B., Thangapandian M., Subramanian S., Manoharan V.K., Ramadhasan M.N., Ramasamy M.	Journal of Polymer Engineering	10.1515/polyeng-2021-0047	De Gruyter Open Ltd	Article	2-s2.0-85129105817
14	2022	Experimental Investigation on the Effect of Polypropylene Fibers with Respect to the Fatigue Behavior of Rigid Pavement	Santhosh J.C., Samal S.R., Ganesh V.N., Pavani D., Sridhar R.S.	Lecture Notes in Civil Engineering	10.1007/978-981-16-7509-6_31	Springer Science and Business Media Deutschland GmbH	Conference Paper	2-s2.0-85128775344
15	2022	Covid Precuatory Alerting Robot	Rooban S., Manimegalai R., Eshwar I.V.S., Vasista R.P.L.N., Gupta P.V.M.	2022 International Conference on Computer Communication and Informatics, ICCCI 2022	10.1109/ICCCI54379.2022.9740852	Institute of Electrical and Electronics Engineers Inc.	Conference Paper	2-s2.0-85128755157
16	2022	Characterization of sustainable natural fiber reinforced geopolymer composites	Ranjithkumar M.G., Chandrasekaran P., Rajeshkumar G.	Polymer Composites	10.1002/pc.26646	John Wiley and Sons Inc	Article	2-s2.0-85128039341
17	2022	Delamination and surface roughness analysis of jute/polyester composites using response surface methodology: Consequence of sodium bicarbonate treatment	Ravikumar P., Rajeshkumar G., Manimegalai P., Sumesh K.R., Sanjay M.R., Siengchin S.	Journal of Industrial Textiles	10.1177/15280837221077040	SAGE Publications Ltd	Article	2-s2.0-85127782736

18	2022	Combination studies of operating cell, inlet-line, and humidification temperatures on performance of proton exchange membrane fuel cell	Thiyagarajan P.K., Jeganathan K., Kumar P M.	Fuel Cells	10.1002/face.202200022		Article	2-s2.0-85127590930
19	2022	Prediction modeling of skid resistance and texture depth on flexible pavement for urban roads	Athiappan K., Kandasamy A., Mohamed M.J.S., Parthiban P., Balasubramanian S.	Materials Today: Proceedings	10.1016/j.matpr.2021.10.304	Elsevier Ltd	Conference Paper	2-s2.0-85127422857
20	2022	Mechanical and wear behaviour of PEEK, PTFE and PU: Review and experimental study	Natarajan E., Santhosh M.S., Markandan K., Sasikumar R., Saravanakumar N., Dilip A.A.	Journal of Polymer Engineering	10.1515/polyeng-2021-0325	De Gruyter Open Ltd	Review	2-s2.0-85126558711
21	2022	The hydraulic and thermal performances of rectangular and square microchannel with different hydraulic diameters cooled by graphene–platinum hybrid nanofluid	Kumar R A., M K., Kumar P.M., Seshadri S A.	Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science	10.1177/09544062211072706	SAGE Publications Ltd	Article	2-s2.0-85125996249
22	2022	Design of Low Power Transmission Gate Based 9T SRAM Cell	Rooban S., Leela M., Rahman M.Z.U., Subbulakshmi N., Manimegalai R.	Computers, Materials and Continua	10.32604/cmc.2022.023934	Tech Science Press	Article	2-s2.0-85125372644
23	2022	Crystallization of struvite family crystals from cow urine: analysis, characterization, and effects of crystallization method, retention time, rate of mixing, and competing ions	Sangeetha V., Devasena M., Nambi I.M., Dwarakanathan S.	Biomass Conversion and Biorefinery	10.1007/s13399-022-02452-x	Springer Science and Business Media Deutschland GmbH	Article	2-s2.0-85125281497
24	2022	Microstructural Characterisation of AA5083 in AA5083/SiC Co-Continuous Ceramic Composites (C4) Fabricated by Gravity and Gas Pressure Infiltration	Warren G., Wang J., Shankar K., Krishnaraj V., Prasanth A.S., Ramesh R., Escobedo-Diaz J.P.	Minerals, Metals and Materials Series	10.1007/978-3-030-92373-0_6	Springer Science and Business Media Deutschland GmbH	Conference Paper	2-s2.0-85125273049
25	2022	An Energy Efficient Architecture for Furnace Monitor and Control in Foundry Based on Industry 4.0 Using IoT	Dinesh M., Arvind C., Sreeja Mole S.S., Subash Kumar C.S., Chandra Sekar P., Somasundaram K., Srihari K., Chandragandhi S., Sundramurthy V.P.	Scientific Programming	10.1155/2022/1128717	Hindawi Limited	Article	
26	2022	Review on extraction, characterization, surface treatment and thermal degradation analysis of new cellulosic fibers as sustainable reinforcement in polymer composites	Jaiswal D., Devnani G.L., Rajeshkumar G., Sanjay M.R., Siengchin S.	Current Research in Green and Sustainable Chemistry	10.1016/j.crgsc.2022.100271	Elsevier B.V.	Article	2-s2.0-85123574178

27	2022	Investigation on Mechanical and Wear Behaviors of LM6 Aluminium Alloy-Based Hybrid Metal Matrix Composites Using Stir Casting Process	Gnaneswaran P., Hariharan V., Chelladurai S.J.S., Rajeshkumar G., Gnanasekaran S., Sivananthan S., Debtera B.	Advances in Materials Science and Engineering	10.1155/2022/4116843	Hindawi Limited	Article	2-s2.0-85123531997
28	2022	Sensorless Speed Control of BLDC Motor for EV Applications	Shanmugasundaram R., Ganesh C., Adhavan B., Singaravelan A., Gunapriya B.	Lecture Notes on Data Engineering and Communications Technologies	10.1007/978-981-16-6605-6_26	Springer Science and Business Media Deutschland GmbH	Book Chapter	2-s2.0-85123375732
29	2022	QoS-Dependent and Varied Clustered Routing (QoS-VCR) in Wireless Sensor Network	Kala I., Karthik S., Srihari K.	Wireless Personal Communications	10.1007/s11277-021-09441-9	Springer	Article	2-s2.0-85123125421
30	2022	Design of Automatic Credit Card Approval System Using Machine Learning	Hemkiran S., Sudha Sadasivam G., Prasanna Rahavendra A., Anjhan A.K.	Lecture Notes in Electrical Engineering	10.1007/978-981-16-6448-9_1	Springer Science and Business Media Deutschland GmbH	Conference Paper	2-s2.0-85122501036
31	2022	Sustainable Waste Collection Vehicle Routing Problem for COVID-19	Niranjani G., Umamaheswari K.	Intelligent Automation and Soft Computing	10.32604/iasc.2022.024264	Tech Science Press	Article	2-s2.0-85122286944
32	2022	Titanium dichalcogenide-decorated reduced graphene oxide nanocomposite for high-performance photovoltaic cell fabrication	Krishnamoorthy D., Nagoor Meeran M., Prakasam A., Thangaraju D.	Journal of Materials Science: Materials in Electronics	10.1007/s10854-021-07427-8	Springer	Article	2-s2.0-85120083527
33	2022	Remediation of 2,4-Dinitrotoluene-Contaminated Soil with Microbial Surfactants	Thenmozhi A., Devasena M., Jagadeesan H.	Journal of Hazardous, Toxic, and Radioactive Waste	10.1061/(ASCE)HZ.2153-5515.0000653	American Society of Civil Engineers (ASCE)	Article	2-s2.0-85118716076
34	2022	Synthesis, spectral, and thermal studies on eugenol based hydrophobic polybenzoxazines	Ramesh V., Hariharan A., Balaji K., Latha G., Subbian M., Alagar M.	Polymer-Plastics Technology and Materials	10.1080/25740881.2021.1991951	Taylor and Francis Ltd.	Article	2-s2.0-85118457042

35	2022	Encryption and Decryption of Image for Secured Data Transmission	Thirumarai Selvi C., Sankarasubramanian R.S., MuthuKrishnan M.	Lecture Notes in Electrical Engineering	10.1007/978-981-16-4625-6_15	Springer Science and Business Media Deutschland GmbH	Conference Paper	2-s2.0-85118172368
36	2022	Detection and Diagnosis of Fault Using Light-Weighted Midori Blocks	Thirumarai Selvi C., Sankarasubramanian R.S., MuthuKrishnan M.	Lecture Notes in Electrical Engineering	10.1007/978-981-16-4625-6_16	Springer Science and Business Media Deutschland GmbH	Conference Paper	2-s2.0-85118159306
37	2022	High-Performance ANFIS-Based Controller for BLDC Motor Drive	Shanmugasundaram R., Ganesh C., Singaravelan A., Gunapriya B., Adhavan B.	Smart Innovation, Systems and Technologies	10.1007/978-981-16-3675-2_33	Springer Science and Business Media Deutschland GmbH	Conference Paper	2-s2.0-85118150946
38	2022	Synthesis and characterization of fluorine functionalized graphene oxide dispersed quinoline-based polyimide composites having low-k and UV shielding properties	Kumar S., Arumugham H., Roy D., Kannaiyan D.	Polymers for Advanced Technologies	10.1002/pat.5527	John Wiley and Sons Ltd	Article	2-s2.0-85117825492
39	2022	Studies on nitrile substituted bisphenol-F and bisphenol-Z based benzoxazines with enhanced thermal and hydrophobic properties	Appasamy S., Arumugam H., Govindraj L., Rathika G., Krishnasamy B., Muthukaruppan A.	Journal of Macromolecular Science, Part A: Pure and Applied Chemistry	10.1080/10601325.2021.1991235	Taylor and Francis Ltd.	Article	
40	2022	Transport Tracking Using RFID and GSM Based Technique	Subbulakshmi N., Chandru R., Manimegalai R.	Lecture Notes in Networks and Systems	10.1007/978-981-16-2919-8_20	Springer Science and Business Media Deutschland GmbH	Conference Paper	
41	2022	Synthesis and characterization of graphene oxide reinforced triphenyl pyridine-based polyimide composites having UV shielding and low k properties	Kumar S., Hariharan A., Muthukaruppan A., Roy D., Dinakaran K.	Composite Interfaces	10.1080/09276440.2021.1888619	Taylor and Francis Ltd.	Article	2-s2.0-85103569988
42	2022	An Investigation into the Tribological Properties of Bidirectional Jute/Carbon Fiber Reinforced Polyester Hybrid Composites	Ravikumar P., Suresh A.R., Rajeshkumar G.	Journal of Natural Fibers	10.1080/15440478.2020.1764444	Taylor and Francis Ltd.	Article	2-s2.0-85085307683

43	2022	Cost effective energy consumption in a residential building by implementing demand side management in the presence of different classes of power loads	Hemanth G.R., Charles Raja S., Jeslin Drusila Nesamalar J., Senthil Kumar J.	Advances in Building Energy Research	10.1080 /17512549. 2020.1752799	Taylor and Francis Ltd.	Article	2-s2.0-85083550745
44	2022	Improvement of Mechanical Properties of Coir/Epoxy Composites through Hybridization with Sisal and Palmyra Palm Fibers	Nagarjun J., Kanchana J., Rajesh Kumar G.	Journal of Natural Fibers	10.1080 /15440478. 2020.1745126	Taylor and Francis Ltd.	Article	2-s2.0-85082971787