

#	Year	Title	Authors	Department	Source title	DOI	Publisher	ISSN	Document Type	EID
1	2021	Bio-composites of rice husk and saw dust reinforced bio-benzoxazine/epoxy hybridized matrices: Thermal, mechanical, electrical resistance and acoustic absorption properties	Arumugam H., Krishnasamy B., Perumal G., A A.D., Abdul Aleem M.I., Muthukaruppan A.	Civil Engineering and Science & Humanities	Construction and Building Materials	10.1016/j.conbuildmat.2021.125381	Elsevier Ltd	9500618	Article	2-s2.0-85118511211
2	2021	Optimization of antireflection coating design using pc1d simulation for c – si solar cell application	Subramanian M., Aldossary O.M., Alam M., Ubaidullah M., Gedi S., Vaduganathan L., Thirunavukkarasu G.S., Jamei E., Seyedmahmoudian M., Stojcevski A., Mekhilef S.	Science & Humanities	Electronics (Switzerland)	10.3390/electronics10243132	MDPI	20799292	Article	2-s2.0-85121122968
3	2021	Review of the effects of supplementary cementitious materials and chemical additives on the physical, mechanical and durability properties of hydraulic concrete	Muralidharan R., Park T., Yang H.-M., Lee S.-Y., Subbiah K., Lee H.-S.	Civil Engineering	Materials	10.3390/ma14237270	MDPI	19961944	Review	2-s2.0-85120347126
4	2021	Assessment of corrosion performance of steel rebar in snail shell ash blended cements under marine environments	Muralidharan R., Subbiah K., Lee T.P., Lee H.-S.	Civil Engineering	Materials	10.3390/ma14237286	MDPI	19961944	Article	2-s2.0-85120326102
5	2021	Mechanical and free vibration properties of Phoenix sp. fiber reinforced epoxy composites: Influence of sodium bicarbonate treatment	Rajeshkumar G.	Mechanical Engineering	Polymer Composites	10.1002/pc.26303	John Wiley and Sons Inc	2728397	Article	2-s2.0-85114739211
6	2021	A Novel Two Port High Isolation Dual-Polarized Multiband Sub-6 GHz MIMO Antenna for IoT Connected Devices	Jeyakumar P., Muthuchidambaranathan P., Shrinidhi S.	Electronics and Communication Engineering	Wireless Personal Communications	10.1007/s11277-021-08837-x	Springer	9296212	Article	2-s2.0-85112558437
7	2021	Multi-input and multi-output bi-directional power converter for solar photovoltaic system	Sathiyathan M., Jaganathan S., Josephine R.L.	Electrical and Electronics Engineering	Electrical Engineering	10.1007/s00202-021-01305-6	Springer Science and Business Media Deutschland GmbH	9487921	Article	2-s2.0-85105849861
8	2021	Implications of Nano-Titanium Dioxide Incorporation in Cement Matrix: A Review	Devasena M., Sangeetha V.	Civil Engineering	Journal of The Institution of Engineers (India): Series D	10.1007/s40033-020-00247-w	Springer	22502122	Review	2-s2.0-85099262951
9	2021	Development of n-MoO3@MoS2/p-Si heterostructure diode using pre-synthesized core@shell nanocomposite for efficient light harvesting detector application	Gunasekaran S., Marnadu R., Thangaraju D., Chandrasekaran J., Hegazy H.H., Somaily H.H., Durairajan A., Valente M.A., Elango M., Minnam Reddy V.R.	Science & Humanities	Materials Science in Semiconductor Processing	10.1016/j.mssp.2021.106097	Elsevier Ltd	13698001	Article	2-s2.0-85111010503
10	2021	Fabrication of strontium included hafnium oxide thin film based Al/Sr:HfO2/n-Si MIS-Schottky barrier diodes for tuned electrical behavior	Harishsenthil P., Chandrasekaran J., Thangaraju D., Balasubramani V.	Science & Humanities	New Journal of Chemistry	10.1039/d1nj03563k	Royal Society of Chemistry	11440546	Article	2-s2.0-85118466520
11	2021	Studies on Syntheses, Spectral, Thermal and Hydrophobic Behavior of Cardanol Based Tetra Functional Benzoxazines	Tj M., Hariharan A., Balaji K., Alagar M.	Science & Humanities	Polymer Science - Series A	10.1134/S0965545X21350133	Pleiades journals	0965545X	Article	2-s2.0-85121685122

12	2021	Thermal behaviour of benzoxazine blends based on epoxy and cyanate ester	Krishnasamy B., Arumugam H., M M.I., Muthukaruppan A.	Science & Humanities	Polymers and Polymer Composites	10.1177/09673911211059714	SAGE Publications Ltd	9673911	Article	2-s2.0-85120703175
13	2021	Facile synthesis of Cu <sub>1-x</sub> CoxFe <sub>2</sub> O <sub>4</sub> (0 ≤ x ≤ 0.5) nanoparticles with enhanced magnetic and photocatalytic performances for organic dye degradation	Tony Dhiwaha A., Maruthamuthu S., Chandekar K.V., Hamdy M.S., Shkir M., Sundararajan M., Sakthivel P.	Science & Humanities	Advanced Powder Technology	10.1016/j.apt.2021.09.006	Elsevier B.V.	9218831	Article	2-s2.0-85115060312
14	2021	Structural, vibrational, morphological, optical and electrical properties of NiS and fabrication of SnS/NiS nanocomposite for photodetector applications	Abhiram N., Thangaraju D., Marnadu R., Johnsy Arputhavalli G., Gunasekaran S., Vetrivelan P., Latha Devi N.S.M.P., Shkir M., Algarni H.	Science & Humanities	Inorganic Chemistry Communications	10.1016/j.inoche.2021.108882	Elsevier B.V.	13877003	Article	2-s2.0-85114780966
15	2021	Potential leaching of mercury from stable mercury sulphide	Devasena M., Nambi I.M.	Civil Engineering	International Journal of Environmental Science and Technology	10.1007/s13762-020-03064-6	Springer Science and Business Media Deutschland GmbH	17351472	Article	2-s2.0-85106000479
16	2021	Numerical study of graphene-platinum hybrid nanofluid in microchannel for electronics cooling	Avinash Kumar R., Kavitha M., Manoj Kumar P., Arvinth Seshadri S.	Mechanical Engineering	Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science	10.1177/0954406220987261	SAGE Publications Ltd	9544062	Article	2-s2.0-85099945571
17	2021	Basic deposition methods of thin films**	Janarthanan B., Thirunavukkarasu C., Maruthamuthu S., Manthrammel M.A., Shkir M., AlFaify S., Selvakumar M., Reddy V.R.M., Park C.	Science & Humanities	Journal of Molecular Structure	10.1016/j.molstruc.2021.130606	Elsevier B.V.	222860	Review	2-s2.0-85107752344
18	2021	Development of Foot Insole system for measurement of Ground Reaction Forces	Ravi H., Ramamoorthy V., Karthiban A., Mohanram P.V., Nataraj M.	Mechanical Engineering	International Journal of Mechanical Engineering		Kalahari Journals	9745823	Article	2-s2.0-85122347422
19	2021	Hydrothermal synthesis of self-assembled potassium-doped Graphene semiconducting nanoparticles for p-Si/n-Graphene junction diode applications	Sumathi N., Dhanemozhi A.C., Thangaraju D., Adewinbi S.A., Mohanraj K., Marnadu R., Shkir M.	Science & Humanities	Surfaces and Interfaces	10.1016/j.surfin.2021.101408	Elsevier B.V.	24680230	Article	2-s2.0-85121221336
20	2021	Nanotechnology based solutions to combat zoonotic viruses with special attention to SARS, MERS, and COVID 19: Detection, protection and medication	Ramakrishnan S.G., Robert B., Salim A., Ananthan P., Sivaramakrishnan M., Subramaniam S., Natesan S., Suresh R., Rajeshkumar G., Maran J.P., Al-Dhabi N.A., Karuppiiah P., Valan Arasu M.	Mechanical Engineering	Microbial Pathogenesis	10.1016/j.micpath.2021.105133	Academic Press	8824010	Review	2-s2.0-85112506358
21	2021	A facile co-precipitation synthesis of novel WO <sub>3</sub> /NiWO <sub>4</sub> nanocomposite with improved photocatalytic activity	Thilagavathi T., Venugopal D., Thangaraju D., Marnadu R., Palanivel B., Imran M., Shkir M., Ubaidullah M., AlFaify S.	Science & Humanities	Materials Science in Semiconductor Processing	10.1016/j.mssp.2021.105970	Elsevier Ltd	13698001	Article	2-s2.0-85108150147

22	2021	Optimal Microwave Wireless Backhaul Link Design Using a Massive MIMO for 5G HetNet-Practical Deployment Scenario	Jeyakumar P., Malar E., Niveda S., Muthuchidambaranathan P.	Electrical and Electronics Engineering	Wireless Personal Communications	10.1007/s11277-021-08543-8	Springer	9296212	Article	2-s2.0-85107055073
23	2021	Large Antenna Array with Hybrid Beamforming System for 5G Outdoor Mobile Broadband Communication Deployments	Jeyakumar P., Malar E., Idhani N., Muthuchidambaranathan P.	Electrical and Electronics Engineering	Wireless Personal Communications	10.1007/s11277-021-08457-5	Springer	9296212	Article	2-s2.0-85103579678
24	2021	Sulfite Activation by Glucose-Derived Carbon Catalysts for As(III) Oxidation: The Role of Ketonic Functional Groups and Conductivity	Zhang Y., Yang W., Zhang K., Kumaravel A., Zhang Y.	Science & Humanities	Environmental Science and Technology	10.1021/acs.est.1c02499	American Chemical Society	0013936X	Article	2-s2.0-85113700996
25	2021	Deep Convolution Neural Network and Random Forest Algorithm for BCI based Photo Imagery Learning	Selvi C.T., Sankarasubramanian R.S., Prakash P.G., Kumar R.N., Mohan K.C.	Science & Humanities	Proceedings of the 3rd International Conference on Inventive Research in Computing Applications, ICIRCA 2021	10.1109/ICIRCA51532.2021.9544857	Institute of Electrical and Electronics Engineers Inc.		Conference Paper	2-s2.0-85116912514
26	2021	Design of neural network based wind speed prediction model using GWO	Grace R.K., Manimegalai R.	Computer Science and Engineering	Computer Systems Science and Engineering	10.32604/CSSE.2022.019240	Tech Science Press	2676192	Article	2-s2.0-85116050720
27	2021	Tuning the mechanical and thermal properties of hydroxypropyl methylcellulose cryogels with the aid of surfactants	Dezotti R.S., Furtado L.M., Yee M., Valera T.S., Balaji K., Ando R.A., Petri D.F.S.	Science & Humanities	Gels	10.3390/gels7030118	MDPI AG	23102861	Article	2-s2.0-85113801528
28	2021	Graphene for Thermal Storage Applications: Characterization, Simulation and Modelling	Veeman D., Sai M.S., Rajkumar V., Ravichandran M., Manivannan S.	Mechanical Engineering	Journal of Electronic Materials	10.1007/s11664-021-09079-0	Springer	3615235	Article	2-s2.0-85110100562
29	2021	Enhanced shielding of electromagnetic radiations with flexible, light-weight, and conductive Ag-Cu/MWCNT/rGO architected PVDF nanocomposite films	Rengaswamy K., Asapu V.K., Muthukaruppan A., Sakthivel D.K., Venkatachalam S., Kannaiyan D.	Science & Humanities	Polymers for Advanced Technologies	10.1002/pat.5395	John Wiley and Sons Ltd	10427147	Article	2-s2.0-85106256957
30	2021	Environment friendly, renewable and sustainable poly lactic acid (PLA) based natural fiber reinforced composites – A comprehensive review	Rajeshkumar G., Arvinth Seshadri S., Devnani G.L., Sanjay M.R., Siengchin S., Prakash Maran J., Al-Dhabi N.A., Karuppiah P., Mariadhas V.A., Sivarajasekar N., Ronaldo Anuf A.	Mechanical Engineering	Journal of Cleaner Production	10.1016/j.jclepro.2021.127483	Elsevier Ltd	9596526	Review	2-s2.0-85106906335
31	2021	Optimization of mono-crystalline silicon solar cell devices using pc1d simulation	Thirunavukkarasu G.S., Seyedmahmoudian M., Chandran J., Stojcevski A., Subramanian M., Marnadu R., Alfaify S., Shkir M.	Science & Humanities	Energies	10.3390/en14164986	MDPI AG	19961073	Article	2-s2.0-85112702369
32	2021	A comprehensive review on natural fiber/nano-clay reinforced hybrid polymeric composites: Materials and technologies	Rajeshkumar G., Seshadri S.A., Ramakrishnan S., Sanjay M.R., Siengchin S., Nagaraja K.C.	Mechanical Engineering	Polymer Composites	10.1002/pc.26110	John Wiley and Sons Inc	2728397	Review	2-s2.0-85105620392

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33	2021	Cellulose fiber from date palm petioles as potential reinforcement for polymer composites: Physicochemical and structural properties	Rajeshkumar G., Hariharan V., Devnani G.L., Prakash Maran J., Sanjay M.R., Siengchin S., Al-Dhabi N.A., Ponmurugan K.	Mechanical Engineering	Polymer Composites	10.1002/pc.26106	John Wiley and Sons Inc	2728397	Article	2-s2.0-85105580482
34	2021	Low-power DSSS transmitter and its VLSI implementation	Jayasanthi M., Kalaivani R.	Electronics and Communication Engineering	Annales des Telecommunications/Annals of Telecommunications	10.1007/s12243-021-00837-z	Springer Science and Business Media Deutschland GmbH	34347	Article	2-s2.0-85103219299
35	2021	Development of morphology tuned SnS hierarchical structures for enhanced photosensitive photodiode fabrication	Abhiram N., Thangaraju D., Marnadu R., Gunasekaran S., Santhana V., Chandrasekaran J., Devi N.S.M.P.L., Shkir M., AlFaify S.	Science & Humanities	Inorganic Chemistry Communications	10.1016/j.inoche.2021.108623	Elsevier B.V.	13877003	Article	2-s2.0-85112488789
36	2021	Facile Synthesis of Indium Doped Tin Oxide (ITO) Nanoparticles and Development of a p-Si/n-ITO Photodiode for Optoelectronic Applications	Karthik Kannan S., Thirunavukkarasu P., Marnadu R., Chandrasekaran J., Maruthamuthu S., Ali A.M., Shkir M.	Science & Humanities	Journal of Electronic Materials	10.1007/s11664-021-08905-9	Springer	3615235	Article	2-s2.0-85104952417
37	2021	Effect of banana, pineapple and coir fly ash filled with hybrid fiber epoxy based composites for mechanical and morphological study	Sumesh K.R., Kavimani V., Rajeshkumar G., Indran S., Saikrishnan G.	Mechanical Engineering	Journal of Material Cycles and Waste Management	10.1007/s10163-021-01196-6	Springer Japan	14384957	Article	2-s2.0-85103404392
38	2021	WO3/CoWO4 nanocomposite synthesis using a facile co-precipitation method for enhanced photocatalytic applications	Thilagavathi T., Venugopal D., Marnadu R., Chandrasekaran J., Thangaraju D., Palanivel B., Hamdy M.S., Shkir M., Ali H.E.	Science & Humanities	Journal of Physics and Chemistry of Solids	10.1016/j.jpics.2021.110066	Elsevier Ltd	223697	Article	2-s2.0-85103328510
39	2021	IoT based Smart Load Management	Parvathy Thampi M.S., Mohamed Iqbal M., Mohanty S.	Electrical and Electronics Engineering	Proceedings - 2021 International Conference on Design Innovations for 3Cs Compute Communicate Control, ICDI3C 2021	10.1109/ICDI3C53598.2021.00032	Institute of Electrical and Electronics Engineers Inc.		Conference Paper	2-s2.0-85116592295
40	2021	Controlling and Monitoring of Power Theft using Internet of Things	Mohanty S., Mohamed Iqbal M., Parvathy Thampi M.S.	Electrical and Electronics Engineering	Proceedings - 2021 International Conference on Design Innovations for 3Cs Compute Communicate Control, ICDI3C 2021	10.1109/ICDI3C53598.2021.00031	Institute of Electrical and Electronics Engineers Inc.		Conference Paper	2-s2.0-85116562583

41	2021	Automatic vehicle accident indication and reporting system for road ways using Internet of Things	Arthanareeswaran J., Karunanidhi B., Muruganatham S., Dhamodharan A., Swarnamma S.K.C.	ECE and EEE	International Journal of Safety and Security Engineering	10.18280/ijss.110307	International Information and Engineering Technology Association	20419031	Article	2-s2.0-85111730476
42	2021	Characterization of novel natural cellulosic fibers from purple bauhinia for potential reinforcement in polymer composites	Rajeshkumar G., Devnani G.L., Maran J.P., Sanjay M.R., Siengchin S., Al-Dhabi N.A., Pomurugan K.	Mechanical Engineering	Cellulose	10.1007/s10570-021-03919-2	Springer Science and Business Media B.V.	9690239	Article	2-s2.0-85105943212
43	2021	Nitrogen doped 2D graphene/Zn3V2O8 nanocomposite with enhanced supercapacitive features	Suganya B., Maruthamuthu S., Chandrasekaran J., Saravanakumar B., Vijayakumar E., Marnadu R., Ali H.E., Nguyen T.D.	Science & Humanities	Surfaces and Interfaces	10.1016/j.surfin.2021.101129	Elsevier B.V.	24680230	Article	2-s2.0-85104645760
44	2021	One-dollar microfluidic paper-based analytical devices: Do-It-Yourself approaches	Singhal H.R., Prabhu A., Giri Nandagopal M.S., Dheivasigamani T., Mani N.K.	Science & Humanities	Microchemical Journal	10.1016/j.microc.2021.106126	Elsevier Inc.	0026265X	Review	2-s2.0-85102477916
45	2021	Hybrid optimization algorithm for task scheduling and virtual machine allocation in cloud computing	Sreenivasulu G., Paramasivam I.	Computer Science and Engineering	Evolutionary Intelligence	10.1007/s12065-020-00517-2	Springer Science and Business Media Deutschland GmbH	18645909	Article	2-s2.0-85094824636
46	2021	Feature reduction using SVM-RFE technique to detect autism spectrum disorder	Mohan P., Paramasivam I.	Computer Science and Engineering	Evolutionary Intelligence	10.1007/s12065-020-00498-2	Springer Science and Business Media Deutschland GmbH	18645909	Article	2-s2.0-85092471254
47	2021	Design and analysis of behaviour based DDoS detection algorithm for data centres in cloud	Shaik Mohammed Penukonda Q., Paramasivam I.	Computer Science and Engineering	Evolutionary Intelligence	10.1007/s12065-019-00244-3	Springer Science and Business Media Deutschland GmbH	18645909	Article	2-s2.0-85066890514
48	2021	Advanced hybrid secure multipath optimized routing in Internet of Things (IoT)-based WSN	Kala I., Karthik S., Srihari K.	Computer Science and Engineering	International Journal of Communication Systems	10.1002/dac.4782	John Wiley and Sons Ltd	10745351	Article	2-s2.0-85102641424
49	2021	Metal complex-derived ZnO-implanted carbon slabs as anode material for lithium-ion and sodium-ion batteries	Duraisamy E., Prabunathan P., Mani G., Alshgari R. A., Elumalai P.	Science & Humanities	Materials Chemistry Frontiers	10.1039/d0qm01031f	Royal Society of Chemistry	20521537	Article	2-s2.0-85105547606
50	2021	Facile synthesis and characterization of WO3/CuWO4 nanocomposites for the removal of toxic methylene blue dye	Thiyagarajan T., Deivasigamani V., Raj M., Joseph C., Dheivasigamani T., Palanivel B., Hamdy M.S., Shkir M.	Science & Humanities	Korean Journal of Chemical Engineering	10.1007/s11814-021-0756-x	Springer	2561115	Article	2-s2.0-85104872546
51	2021	Design and development of bio-carbon reinforced hetero structured biophenolics polybenzoxazine-epoxy hybrid composites for high performance applications	Selvaraj V., Raghavarshini T.R., Alagar M.	Science & Humanities	Journal of Polymer Research	10.1007/s10965-020-02338-4	Springer Science and Business Media B.V.	10229760	Article	2-s2.0-85104522548

52	2021	Studies on photophysical and electrochemical properties of triphenylamine $\alpha$ , $\beta$ -unsaturated ketone side-arm PAE CPs	Arun Kumar G., Chandramohan A., Gomathi Priya P., Alagar M.	Science & Humanities	Journal of Materials Science: Materials in Electronics	10.1007/s10854-021-05505-5	Springer	9574522	Article	2-s2.0-85104086057
53	2021	Fluorine free TiO <sub>2</sub> /cyanate ester coated cotton fabric with low surface free energy and rough surface for durable oil–water separation	Arumugam V., Kanthapazham R., Zherebtsov D.A., Kalimuthu K., Pichaimani P., Muthukaruppan A.	Science & Humanities	Cellulose	10.1007/s10570-021-03822-w	Springer Science and Business Media B.V.	9690239	Article	2-s2.0-85103182574
54	2021	Facile metal complex-derived Ni/NiO/Carbon composite as anode material for Lithium-ion battery	Duraisamy E., Sujithkrishnan E., Kannadasan K., Prabunathan P., Elumalai P.	Science & Humanities	Journal of Electroanalytical Chemistry	10.1016/j.jelechem.2021.115168	Elsevier B.V.	15726657	Article	2-s2.0-85103694660
55	2021	Development of bio-based benzoxazines coated melamine foam for oil-water separation	Arumugam H., Mohamed Ismail A.A., Govindraj L., Muthukaruppan A.	Civil Engineering and Science & Humanities	Progress in Organic Coatings	10.1016/j.porgcoat.2020.106128	Elsevier B.V.	3009440	Article	2-s2.0-85100198618
56	2021	Dynamic Mechanical Properties and Free Vibration Characteristics of Surface Modified Jute Fiber/Nano-Clay Reinforced Epoxy Composites	Ramakrishnan S., Krishnamurthy K., Rajeshkumar G., Asim M.	Mechanical Engineering	Journal of Polymers and the Environment	10.1007/s10924-020-01945-y	Springer	15662543	Article	2-s2.0-85094193308
57	2021	Mesoporous silica MCM-41-reinforced cardanol-based benzoxazine nanocomposites for low-k applications	Kurinchyselvan S., Chandramohan A., Hariharan A., Gomathipriya P., Alagar M.	Science & Humanities	Polymer Bulletin	10.1007/s00289-020-03198-0	Springer Science and Business Media Deutschland GmbH	1700839	Article	2-s2.0-85083829776
58	2021	Investigating semiconductor device characterization in educational labs	Nethra Devi T., Raghuram T.R.	Electronics and Communication Engineering	International Journal of Electrical Engineering and Education	10.1177/0020720918825244	SAGE Publications Inc.	207209	Article	2-s2.0-85061064408
59	2021	Electrochemical detection of fenitrothion using nanosilver/dodecane modified glassy carbon electrode	Kumaravel A., Muruganathan M.	Science & Humanities	Sensors and Actuators, B: Chemical	10.1016/j.snb.2021.129467	Elsevier B.V.	9254005	Article	2-s2.0-85099384955
60	2021	Mathematical models for predicting COVID-19 pandemic: A review	Vytla V., Ramakuri S.K., Peddi A., Kalyan Srinivas K., Nithish Ragav N.	Electrical and Electronics Engineering	Journal of Physics: Conference Series	10.1088/1742-6596/1797/1/012009	IOP Publishing Ltd	17426588	Conference Paper	2-s2.0-85102337451
61	2021	A facile fabrication of Sn-doped CeO <sub>2</sub> nanocrystalline thin films with enhanced photodiode properties for optoelectronic applications	Siva Prakash R., Mahendran C., Chandrasekaran J., Marnadu R., Maruthamuthu S., Yahia I.S., Shkir M.	Science & Humanities	Applied Physics A: Materials Science and Processing	10.1007/s00339-021-04311-4	Springer Science and Business Media Deutschland GmbH	9478396	Article	2-s2.0-85100554581

62	2021	Improved photocatalytic degradation of rhodamine B under visible light and magnetic properties using microwave combustion grown Ni doped copper ferrite spinel nanoparticles	Dhiwaha A.T., Maruthamuthu S., Marnadu R., Sundararajan M., Manthrammel M.A., Shkir M., Sakthivel P., Minnam Reddy V.R.	Science & Humanities	Solid State Sciences	10.1016/j.solidstatesciences.2021.106542	Elsevier Masson s.r.l.	12932558	Article	2-s2.0-85100189662
63	2021	Independent component analysis with learning algorithm for electrocardiogram feature extraction and classification	Jayasanthi M., Rajendran G., Vidhyakar R.B.	Electronics and Communication Engineering	Signal, Image and Video Processing	10.1007/s11760-020-01813-1	Springer Science and Business Media Deutschland GmbH	18631703	Article	2-s2.0-85098651803
64	2021	Nanohybrid silver nanoparticles@halloysite nanotubes coated with polyphosphazene for effectively enhancing the fire safety of epoxy resin	Hong J., Wu T., Wu H., Zeng B., Zeng S., Chen T., Wang X., Lu Z., Yuan C., Balaji K., Petri D.F.S., Dai L.	Science & Humanities	Chemical Engineering Journal	10.1016/j.cej.2020.127087	Elsevier B.V.	13858947	Article	2-s2.0-85092666644
65	2021	Influence of Sodium Hydroxide (NaOH) Treatment on Mechanical Properties and Morphological Behaviour of Phoenix sp. Fiber/Epoxy Composites	Rajeshkumar G., Hariharan V., Indran S., Sanjay M. R., Siengchin S., Maran J.P., Al-Dhabi N.A., Karuppiah P.	Mechanical Engineering	Journal of Polymers and the Environment	10.1007/s10924-020-01921-6	Springer	15662543	Article	2-s2.0-85092373805
66	2021	Performance Assessment of Concrete Incorporating Recycled Coarse Aggregates and Graphene Oxide	Balasubramaniam T., Karthick M., Arun M.	Civil Engineering	IOP Conference Series: Materials Science and Engineering	10.1088/1757-899X/1059/1/012069	IOP Publishing Ltd	17578981	Conference Paper	2-s2.0-85101593968
67	2021	Effects of Longitudinal and Transverse Direction Opening in Reinforced Concrete Beam: The State of Review	Dinesh Kanna M., Arun M.	Civil Engineering	IOP Conference Series: Materials Science and Engineering	10.1088/1757-899X/1059/1/012049	IOP Publishing Ltd	17578981	Conference Paper	2-s2.0-85101503549
68	2021	Role of wireless wearable technologies in recent advancements	Selvi C.T., Subramaninan R.S., Yogeswari M., Subhasini B., Priya G.V.	Science & Humanities	Proceedings of the 3rd International Conference on Intelligent Communication Technologies and Virtual Mobile Networks, ICICV 2021	10.1109/ICICV50876.2021.9388572	Institute of Electrical and Electronics Engineers Inc.		Conference Paper	2-s2.0-85104402299
69	2021	Crystal structures and dielectric properties of 4,4'-dimethyl-6,6'-dichloroindigo (Pigment Red 181)	Sakthidharan C.P., Niewa R., Zherebtsov D.A., Podgornov F.V., Matveychuk Y.V., Bartashevich E. V., Nayfert S.A., Adonin S.A., Gavriyak M.V., Boronin V.A., Polozov M.A., Karthikeyan S., Sarojadevi M., Rajakumar K., Prabunathan P.	Science & Humanities	Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials	10.1107/S2052520620014869	International Union of Crystallography	20525192	Article	2-s2.0-85110787785

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70	2021	Advanced development of dairy farm waste-based biocarbon-reinforced unsymmetrical structured bio-phenolic polybenzoxazine composites	Selvaraj V., Raghavarshini T.R., Alagar M.	Science & Humanities	High Performance Polymers	10.1177 /0954008320941575	SAGE Publications Ltd	9540083	Article	2-s2.0-85088266694
71	2021	Implementation of Suitable Control Strategy for Improved Dynamics in Hybrid Grid Connected System	Arivoli S., Karthikeyan R., Chitra V.	Science & Humanities	2021 International Conference on Computer Communication and Informatics, ICCCI 2021	10.1109 /ICCCI50826.2021.9402514	Institute of Electrical and Electronics Engineers Inc.		Conference Paper	2-s2.0-85104959309
72	2021	Design of zinc vanadate (Zn3V2O8)/nitrogen doped multiwall carbon nanotubes (N-MWCNT) towards supercapacitor electrode applications	Suganya B., Maruthamuthu S., Chandrasekaran J., Saravanakumar B., Vijayakumar E., Marnadu R., Al-Enizi A.M., Ubaidullah M.	Science & Humanities	Journal of Electroanalytical Chemistry	10.1016/j.jelechem.2020.114936	Elsevier B.V.	15726657	Article	2-s2.0-85098549727
73	2021	An over review on recently developed techniques, mechanisms and intermediate involved in the advanced azo dye degradation for industrial applications	Selvaraj V., Swarna Karthika T., Mansiya C., Alagar M.	Science & Humanities	Journal of Molecular Structure	10.1016/j.molstruc.2020.129195	Elsevier B.V.	222860	Review	2-s2.0-85090338251
74	2021	Study of performance of h-rotor darrius wind turbines	Sandeep Christy R., Kousik S.C., Vishal Subramaniam R., Santhosh Ram R., Nithesh Kumar R., Gopalakrishnan C.	Mechanical Engineering	Journal of Engineering Research (Kuwait)	10.36909/jer. ICM.12441	University of Kuwait	23071885	Article	2-s2.0-85120795731
75	2021	Titanium dichalcogenide-decorated reduced graphene oxide nanocomposite for high-performance photovoltaic cell fabrication	Krishnamoorthy D., Nagoor Meeran M., Prakasam A., Thangaraju D.	Science & Humanities	Journal of Materials Science: Materials in Electronics	10.1007 /s10854-021-07427-8	Springer	9574522	Article	2-s2.0-85120083527
76	2021	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.	Electrical and Electronics Engineering	Journal of Electrical Engineering and Technology	10.1007 /s42835-021-00938-8	Korean Institute of Electrical Engineers	19750102	Article	2-s2.0-85119854732
77	2021	Influence of Processing Variables on Tensile Strength and Water Absorption of Natural Fibers Hybrid Composites	Saravanan K., Sampath Kumar S.K., Prakash C., Sivamani S., Prakash Maran J., Rajeshkumar G.	Mechanical Engineering	Journal of Natural Fibers	10.1080 /15440478.2021.2002774	Taylor and Francis Ltd.	15440478	Article	2-s2.0-85119484227
78	2021	Activating endogenous resolution pathways by soluble epoxide hydrolase inhibitors for the management of COVID-19	Manickam M., Meenakshisundaram S., Pillaiyar T.	Science & Humanities	Archiv der Pharmazie	10.1002/ardp.202100367	John Wiley and Sons Inc	3656233	Review	2-s2.0-85119473759
79	2021	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.	Science & Humanities	International Journal of Energy Research	10.1002/er.7456	John Wiley and Sons Ltd	0363907X	Article	2-s2.0-85119286979



80	2021	Mapping of non-value adding activities occurring in classical manufacturing companies with lean strategies	Ramesh Kumar D., Devadasan S.R., Elangovan D.	Mechanical Engineering	Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering	10.1177 /09544089211051595	SAGE Publications Ltd	9544089	Article	2-s2.0-85119020412
81	2021	Synthesis, spectral, and thermal studies on eugenol based hydrophobic polybenzoxazines	Ramesh V., Hariharan A., Balaji K., Latha G., Subbian M., Alagar M.	Science & Humanities	Polymer-Plastics Technology and Materials	10.1080 /25740881.2021.1991951	Taylor and Francis Ltd.	25740881	Article	2-s2.0-85118457042
82	2021	Development of functional prototype of PDCP sublayer in 5G NR	Sumathi A.C., Ganti R., Balasiddharth D., ArunPrasath R.V., Sheeba A.	Computer Science and Engineering	12th International Conference on Advances in Computing, Control, and Telecommunication Technologies, ACT 2021		Grenze Scientific Society		Conference Paper	2-s2.0-85117865720
83	2021	Numerical relay-based protection system for induction motor	Bavithra K., Madhugogul P., Devaprasath R., Thiyagarajan S., Pavithra S., Latha R.	Electrical and Electronics Engineering	12th International Conference on Advances in Computing, Control, and Telecommunication Technologies, ACT 2021		Grenze Scientific Society		Conference Paper	2-s2.0-85117791476
84	2021	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.	Science & Humanities	Journal of Macromolecular Science, Part A: Pure and Applied Chemistry	10.1080 /10601325.2021.1991235	Taylor and Francis Ltd.	10601325	Article	2-s2.0-85117577303
85	2021	Sustainable Development of Cissus Quadrangularis Stem Fiber/epoxy Composite on Abrasive Wear Rate	Iyyadurai J., Gandhi V.C.S., Suyambulingam I., Rajeshkumar G.	Mechanical Engineering	Journal of Natural Fibers	10.1080 /15440478.2021.1982819	Taylor and Francis Ltd.	15440478	Article	2-s2.0-85117220076
86	2021	FPGA Implementation of Optimum Switching Angle Control for Shunt Active Filter using ANNSVPWM	Kumar C S S., Rajasekar P., Sathiyathan M., Venkatesan M.	Electrical and Electronics Engineering	International Journal of Electronics	10.1080 /00207217.2021.1972472	Taylor and Francis Ltd.	207217	Article	2-s2.0-85116437916
87	2021	Validation of crystal structure of 2-acetamidophenyl acetate: an experimental and theoretical study	Shankara S.M., David Stephen A., Pitchumani Violet Mary C., Madhukar H., Dege N., Kahveci Yagci N., Saravanan K., Nidhin P.V., Maruthamuthu S.	Science & Humanities	Journal of Biomolecular Structure and Dynamics	10.1080 /07391102.2021.1984310	Taylor and Francis Ltd.	7391102	Article	2-s2.0-85116382538
88	2021	Fabrication of Ag-TiO <sub>2</sub> /Cardanol Epoxy-Based Composite Coatings Against Microbiologically Influenced Corrosion of Mild Steel	Chandrasatheesh C., Jayapriya J., Prabunathan P.	Science & Humanities	Journal of Polymers and the Environment	10.1007 /s10924-021-02295-z	Springer	15662543	Article	2-s2.0-85115835795

89	2021	FPGA Based Efficient IEEE 754 Floating Point Multiplier for Filter Operations	Selvi C.T., Amudha J., Sankarasubramanian R.S.	Science & Humanities	Communications in Computer and Information Science	10.1007/978-981-16-5048-2_30	Springer Science and Business Media Deutschland GmbH	18650929	Conference Paper	2-s2.0-85113490004
90	2021	Extreme learning machine-based investigation on automated detection of architectural distortion in mammograms	Mala E., Chakravarthi P.D.	Electrical and Electronics Engineering	International Journal of Operational Research	10.1504/ijor.2021.117070	Inderscience Publishers	17457645	Article	2-s2.0-85113323480
91	2021	Design and Fabrication of a Portable Stagnant Water Drainer	Naveen R., Prem Kumar T., Sridharan K., Sandheep D.	Mechanical Engineering	Lecture Notes in Mechanical Engineering	10.1007/978-981-16-0698-4_48	Springer Science and Business Media Deutschland GmbH	21954356	Conference Paper	2-s2.0-85113240060
92	2021	Implementing Canonical CFD Techniques to Determine the Effect of Optimised Aerodynamic Coefficients on the Performance of a Car for a Given Race Track	Jayesh Balaji K., Koushik Sundaram K., Hareesh S. P., Arun Sundar S., Naveen R.	Mechanical Engineering	Lecture Notes in Mechanical Engineering	10.1007/978-981-16-0698-4_75	Springer Science and Business Media Deutschland GmbH	21954356	Conference Paper	2-s2.0-85113228275
93	2021	An experimental and numerical study on the tensile and compressive behavior of 3D printed biomimetic structures	Prasanth A.S., Ramesh R., Nathish Kumar S., Radhakrishnan K., Krishna P.	Mechanical Engineering	Materials Today: Proceedings	10.1016/j.matpr.2020.11.111	Elsevier Ltd	22147853	Conference Paper	2-s2.0-85112573683
94	2021	Candidate Drugs for the Potential Treatment of Coronavirus Diseases	Pillaiyar T., Manickam M., Meenakshisundaram S., Benjamine A.J.	Science & Humanities	Methods in Pharmacology and Toxicology	10.1007/978-981-16-7653-2020_67	Humana Press Inc.	15572153	Book Chapter	2-s2.0-85112555735
95	2021	Affordable housing: Cost effective construction materials for economically weaker section	Arun M., Baskar K., Geethapriya B.S., Jayabarathi M., Angayarkkani R.	Civil Engineering	Materials Today: Proceedings	10.1016/j.matpr.2020.12.265	Elsevier Ltd	22147853	Conference Paper	2-s2.0-85112476514
96	2021	Effectiveness of industrial waste materials used as ingredients in fly ash brick manufacturing	Balsubramaniam T., Sharan Karthik P.M., Sureshkumar S., Bharath M., Arun M.	Civil Engineering	Materials Today: Proceedings	10.1016/j.matpr.2020.12.410	Elsevier Ltd	22147853	Conference Paper	2-s2.0-85112402294
97	2021	EFFECT OF COMBINATIONS OF DIFFERENT OPERATING PARAMETERS ON PERFORMANCE OF PROTON EXCHANGE MEMBRANE FUEL CELL	Thiyagarajan P.K., Jeganathan K., Panthalingam M. K., Rajappa N.	Science & Humanities	Thermal Science	10.2298/TSCI20112007OT	Serbian Society of Heat Transfer Engineers	3549836	Article	2-s2.0-85111473787
98	2021	Optimization and characterization of pectin recovered from Persea americana peel using statistical and non-statistical techniques	Sivamani S., Binna P., Roy C., Al Khaldi A., Al Hamar F., Maran J.P., Sivarajasekar N., Rajeshkumar G., Al-Dhabi N.A., Karupiah P.	Mechanical Engineering	Biomass Conversion and Biorefinery	10.1007/s13399-021-01727-z	Springer Science and Business Media Deutschland GmbH	21906815	Article	2-s2.0-85111136301

99	2021	Detection of dichromacy and achromatopsia using Lab View	Kandaswamy A., Malar E., Ahilaa T.D., Indrani R.	Electrical and Electronics Engineering	International Journal of Medical Engineering and Informatics	10.1504/IJMEI.2021.115960	Inderscience Publishers	17550653	Article	2-s2.0-85109542935
100	2021	IoT-Based Smart Door Lock with Sanitizing System	Shanthini M., Vidya G.	Computer Science and Engineering	Lecture Notes in Networks and Systems	10.1007/978-981-33-4305-4_6	Springer Science and Business Media Deutschland GmbH	23673370	Conference Paper	2-s2.0-85107332305
101	2021	Evaluation of Mechanical and Water Absorption Behaviors of Jute/Carbon Fiber Reinforced Polyester Hybrid Composites	RaviKumar P., Rajeshkumar G., Prakash Maran J., Al-Dhabi N.A., Karuppiah P.	Mechanical Engineering	Journal of Natural Fibers	10.1080/15440478.2021.1924339	Bellwether Publishing, Ltd.	15440478	Article	2-s2.0-85107325322
102	2021	Deep Learning-Based Activity Monitoring for Smart Environment Using Radar	Susithra N., Santhanamari G., Deepa M., Reba P., Ramya K.C., Garg L.	Electronics and Communication Engineering	EAI/Springer Innovations in Communication and Computing	10.1007/978-3-030-70183-3_5	Springer Science and Business Media Deutschland GmbH	25228595	Book Chapter	2-s2.0-85107068063
103	2021	Deep Learning in Smart Applications: Approaches and Challenges	Sowmiya M., Rekha B.B., Kanthavel R.	Electronics and Communication Engineering	EAI/Springer Innovations in Communication and Computing	10.1007/978-3-030-70183-3_3	Springer Science and Business Media Deutschland GmbH	25228595	Book Chapter	2-s2.0-85107043763
104	2021	Chloroquine analogs: An overview of natural and synthetic quinolines as broad spectrum antiviral agents	Pallaval V.B., Kanithi M., Meenakshisundaram S., Jagadeesh A., Alavala M., Pillaiyar T., Manickam M., Chidipi B.	Science & Humanities	Current Pharmaceutical Design	10.2174/1381612826666201211121721	Bentham Science Publishers	13816128	Article	2-s2.0-85104446411
105	2021	Energy efficient power allocation with antenna selection for interference alignment-based MIMO-OFDM cognitive radio networks	Reba P.	Electronics and Communication Engineering	International Journal of Ad Hoc and Ubiquitous Computing	10.1504/IJAHUC.2021.113874	Inderscience Publishers	17438225	Article	2-s2.0-85103678921
106	2021	Optimization of friction stir welding process parameters on AA 6063-SiC-B4C hybrid metal matrix composites by genetic algorithm	Srinivasan R., Suresh Babu B., Prathap P., Whenish R., Soundararajan R., Chandramohan G.	Science & Humanities	Journal of Ceramic Processing Research	10.36410/jcpr.2021.22.1.16	Hanyang University	12299162	Article	2-s2.0-85103461302
107	2021	Enhancing the Free Vibration Characteristics of Epoxy Polymers Using Sustainable Phoenix Sp. Fibers and Nano-Clay for Machine Tool Applications	Kumar G.R., Hariharan V., Saravanakumar S.S.	Mechanical Engineering	Journal of Natural Fibers	10.1080/15440478.2019.1636740	Bellwether Publishing, Ltd.	15440478	Article	2-s2.0-85103143787

108	2021	Development of Supply Chain Risk Management Strategies for Mitigating Loss Prevention in Manufacturing Organizations	Elangovan D., Sundararaj G., Devadasan S.R., Karuppuswamy P., Vishnupriyan R.	Mechanical Engineering	Lecture Notes in Mechanical Engineering	10.1007/978-981-15-9809-8_39	Springer Science and Business Media Deutschland GmbH	21954356	Conference Paper	2-s2.0-85102655672
109	2021	Classification of Rice Grains Based on Quality Using Probabilistic Neural Network	Mohanraj S., Narenthiran B., Manivannan S., Arul Murugan R., Raj Kumar V.	Mechanical Engineering	Lecture Notes in Mechanical Engineering	10.1007/978-981-15-9809-8_62	Springer Science and Business Media Deutschland GmbH	21954356	Conference Paper	2-s2.0-85102648981
110	2021	Trend Plot Analysis of Dry Sliding Wear in Al/SiC Co-continuous Ceramic Composites	Ramesh R., Prasanth A.S., Gopalakrishnan P.	Mechanical Engineering	Lecture Notes in Mechanical Engineering	10.1007/978-981-15-9809-8_7	Springer Science and Business Media Deutschland GmbH	21954356	Conference Paper	2-s2.0-85102648723
111	2021	Influence of Phoenix sp. Fiber Content on the Viscoelastic Properties of Polymer Composites	Rajeshkumar G., Seshadri A., Sumesh K.R., Nagaraja K.C.	Mechanical Engineering	Lecture Notes in Mechanical Engineering	10.1007/978-981-15-9809-8_10	Springer Science and Business Media Deutschland GmbH	21954356	Conference Paper	2-s2.0-85102648456
112	2021	Effective Supply Chain Management by Using the Data-Based Decision Support System	Ramesh Kumar D., Elangovan D., Devadasan S.R., Gokulakrishnan B.	Mechanical Engineering	Lecture Notes in Mechanical Engineering	10.1007/978-981-15-9809-8_40	Springer Science and Business Media Deutschland GmbH	21954356	Conference Paper	2-s2.0-85102647366
113	2021	Concrete Bridge Crack Detection Using Convolutional Neural Network	Vignesh R., Narenthiran B., Manivannan S., Arul Murugan R., RajKumar V.	Mechanical Engineering	Lecture Notes in Mechanical Engineering	10.1007/978-981-15-9809-8_58	Springer Science and Business Media Deutschland GmbH	21954356	Conference Paper	2-s2.0-85102645618
114	2021	Design and Analysis of Flow Field Patterns in Bipolar Plates of a Proton Exchange Membrane Fuel Cell	Prem Kumar T., Sai Subramanian P., Naresh G.	Mechanical Engineering	Lecture Notes in Mechanical Engineering	10.1007/978-981-15-9809-8_41	Springer Science and Business Media Deutschland GmbH	21954356	Conference Paper	2-s2.0-85102642541
115	2021	Preface	Mohan S., Shankar S., Rajeshkumar G.	Mechanical Engineering	Lecture Notes in Mechanical Engineering		Springer Science and Business Media Deutschland GmbH	21954356	Editorial	2-s2.0-85102642200
116	2021	A Comprehensive Review on Mechanical Properties of Natural Cellulosic Fiber Reinforced PLA Composites	Rajeshkumar G., Naveen Kumar K., Aravind M., Santhosh S., Gowtham Keerthi T.K., Arvinth Seshadri S.	Mechanical Engineering	Lecture Notes in Mechanical Engineering	10.1007/978-981-15-9809-8_19	Springer Science and Business Media Deutschland GmbH	21954356	Conference Paper	2-s2.0-85102630680

117	2021	Hardfacing of Ni-Based Alloys on Medium Carbon Steel to Improve Turbine Blade Properties	Karuppuswamy P., Bhagyanathan C., Sathish S., Elangovan D.	Mechanical Engineering	Lecture Notes in Mechanical Engineering	10.1007/978-981-15-9809-8_38	Springer Science and Business Media Deutschland GmbH	21954356	Conference Paper	2-s2.0-85102625990
118	2021	Studies on the Improved Design in the Heat-Setting Platen Used in Textile Industry	Sivananda Devi K.	Mechanical Engineering	Lecture Notes in Mechanical Engineering	10.1007/978-981-15-9809-8_48	Springer Science and Business Media Deutschland GmbH	21954356	Conference Paper	2-s2.0-85102620177
119	2021	Experimental Analysis of Tribological Behaviour of Jute Fiber-Reinforced Nanoclay Filled Epoxy Composites	Ramakrishnan S., Krishnamurthy K., Rajeshkumar G.	Mechanical Engineering	Lecture Notes in Mechanical Engineering	10.1007/978-981-15-9809-8_1	Springer Science and Business Media Deutschland GmbH	21954356	Conference Paper	2-s2.0-85102614685
120	2021	Experimental Investigation on Tool Wear Using Sub-zero Treated Insert in Turning of EN 24 Steel	Ramesh Kannan C., Manivannan S., Raj Kumar V.	Mechanical Engineering	Lecture Notes in Mechanical Engineering	10.1007/978-981-15-9809-8_64	Springer Science and Business Media Deutschland GmbH	21954356	Conference Paper	2-s2.0-85102612902
121	2021	Effect of Dodecagon Shape Frustum Concentrator and Internal Fins in 2 in 1 Box-Type Solar Cooker	Prem kumar T., Hariharan V., Manojkumar S.	Mechanical Engineering	Lecture Notes in Mechanical Engineering	10.1007/978-981-15-9809-8_47	Springer Science and Business Media Deutschland GmbH	21954356	Conference Paper	2-s2.0-85102611617
122	2021	CFD Analysis of NACA 4412 Aerofoil Considering Ground Effect	Suraj S., Nivedha Sri S.S., Ragul Krishna P., Jagatheaswaran S., Manoj Kumar P.	Mechanical Engineering	Lecture Notes in Mechanical Engineering	10.1007/978-981-15-9809-8_42	Springer Science and Business Media Deutschland GmbH	21954356	Conference Paper	2-s2.0-85102611347
123	2021	Enhancement of Mechanical Behavior of PLA Matrix Using Tamarind and Date Seed Micro Fillers	Nagarjun J., Kanchana J., RajeshKumar G., Manimaran S., Krishnaprakash M.	Mechanical Engineering	Journal of Natural Fibers	10.1080/15440478.2020.1870616	Bellwether Publishing, Ltd.	15440478	Article	2-s2.0-85100073013
124	2021	Prediction of RSM and ANN in the decolorization of reactive orange 16 using biochar derived from ULVA lactuca	Kumar M., Sujatha S., Gokulan R., Vijayakumar A., Praveen S., Elayaraja S.	Mechanical Engineering	Desalination and Water Treatment	10.5004/dwt.2021.26615	Desalination Publications	19443994	Article	2-s2.0-85099945865
125	2021	Enriched blended learning through virtual experience in microprocessors and microcontrollers course	Deepa M., Reba P., Santhanamari G., Susithra N.	Civil Engineering	Journal of Engineering Education Transformations	10.16920/jeet/2021/v34i0/157236	Rajarambapu Institute Of Technology	23492473	Article	2-s2.0-85099922013

126	2021	A quantitative investigation of student performance in a peer assisted flipped classroom model	Navin Ganesh V., Sr.	Electronics and Communication Engineering	Journal of Engineering Education Transformations	10.16920/jeet/2021/v34i0/157133	Rajarambapu Institute Of Technology	23492473	Article	2-s2.0-85099920666
127	2021	Tribological and Thermo-Mechanical Performance of Chemically Modified Musa Acuminata / Corchorus Capsularis Reinforced Hybrid Composites	Karthi N., Kumaresan K., Rajeshkumar G., Gokulkumar S., Sathish S.	Civil Engineering	Journal of Natural Fibers	10.1080/15440478.2020.1870614	Bellwether Publishing, Ltd.	15440478	Article	2-s2.0-85099866201
128	2021	Biodecolorization of Reactive Red 120 in batch and packed bed column using biochar derived from Ulva reticulata	Kumar M., Gokulan R., Sujatha S., Shanmuga Priya S.P., Praveen S., Elayaraja S.	Mechanical Engineering	Biomass Conversion and Biorefinery	10.1007/s13399-020-01268-x	Springer Science and Business Media Deutschland GmbH	21906815	Article	2-s2.0-85099033572
129	2021	Development of integrated microfluidic platform coupled with Surface-enhanced Raman Spectroscopy for diagnosis of COVID-19	Jadhav S.A., Biji P., Panthalingal M.K., Murali Krishna C., Rajkumar S., Joshi D.S., Sundaram N.	Civil Engineering	Medical Hypotheses	10.1016/j.mehy.2020.110356	Churchill Livingstone	3069877	Letter	2-s2.0-85098126639
130	2021	Post-annealing effects on structural and magnetic properties of pulsed laser deposition grown Co-Ni-Al ferromagnetic shape memory alloys thin films	Arputhavalli G.J., Agilan S., Ray M., Thangaraju D., Marnadu R., Chandrasekaran J., Chandekar K.V., Shkir M., Jebasingh S., Dinesh M.	Mechanical Engineering	Solid State Sciences	10.1016/j.solidstatesciences.2020.106493	Elsevier Masson s.r.l.	12932558	Article	2-s2.0-85097879276
131	2021	Photosensitive activity of fabricated core-shell composite nanostructured p-CuO@CuS/n-Si diode for photodetection applications	Gunasekaran S., Thangaraju D., Marnadu R., Chandrasekaran J., Shkir M., Durairajan A., Valente M.A., Alshaharanig T., Elango M.	Science & Humanities	Sensors and Actuators, A: Physical	10.1016/j.sna.2020.112373	Elsevier B.V.	9244247	Article	2-s2.0-85097576196
132	2021	Design, synthesis and anticancer activity of 2-amidomethoxy-1,4-naphthoquinones and its conjugates with Biotin/polyamine	Manickam M., Boggu P.R., Pillaiyar T., Nam Y.J., Abdullah M., Lee S.J., Kang J.S., Jung S.-H.	Science & Humanities	Bioorganic and Medicinal Chemistry Letters	10.1016/j.bmcl.2020.127685	Elsevier Ltd	0960894X	Article	2-s2.0-85096943071
133	2021	Fault Diagnosis of Unbalanced Multirotor System	Hariharan V., Rajeshkumar G., Ibrahim Sheriff K.A.	Science & Humanities	Lecture Notes in Mechanical Engineering	10.1007/978-981-15-7557-0_34	Springer Science and Business Media Deutschland GmbH	21954356	Conference Paper	2-s2.0-85096513912
134	2021	Low-k and UV shielding polybenzoxazine nanocomposites synthesised from quinoline amine and bio-silica	Kumar S., Hariharan A., Alagar M., Dinakaran K.	Mechanical Engineering	Composite Interfaces	10.1080/09276440.2020.1833594	Taylor and Francis Ltd.	9276440	Article	2-s2.0-85093922920
135	2021	High performance concrete mixed with combinations of mineral admixtures	Isanaka B.R., Akbar M.A., Perumal P., Priyanka R.S.	Science & Humanities		10.1007/978-981-15-5195-6_44	Springer Science and Business Media Deutschland GmbH	23662557	Conference Paper	2-s2.0-85092169306

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136	2021	Improved ICA algorithm for ECG feature extraction and R-peak detection	Jayasanthi M., Ramamoorthy V., Parthiban A.	Civil Engineering	International Journal of Adaptive Control and Signal Processing	10.1002/acs.3186	John Wiley and Sons Ltd	8906327	Article	2-s2.0-85092112894
137	2021	Enhanced Removal of Lead from Soil Using Biosurfactant Derived from Edible Oils	Sangeetha V., Thenmozhi A., Devasena M.	Electronics and Communication Engineering	Soil and Sediment Contamination	10.1080/15320383.2020.1811204	Bellwether Publishing, Ltd.	15320383	Article	2-s2.0-85090437008
138	2021	The recent outbreaks of human coronaviruses: A medicinal chemistry perspective	Pillaiyar T., Wendt L.L., Manickam M., Easwaran M.	Civil Engineering	Medicinal Research Reviews	10.1002/med.21724	John Wiley and Sons Inc	1986325	Review	2-s2.0-85089862524
139	2021	An analysis of remotely triggered malware exploits in content management system-based web applications	Kavithamani C., Sankara Subramanian R.S., Krishnamurthy S., Chathu J., Iyer G.	Science & Humanities	Advances in Intelligent Systems and Computing	10.1007/978-981-15-5285-4_15	Springer	21945357	Conference Paper	2-s2.0-85089314175
140	2021	Interpretive framework by analysing the enablers for implementation of Industry 4.0: an ISM approach	Devi K S., Paranitharan K.P., Agniveesh A I.	Science & Humanities	Total Quality Management and Business Excellence	10.1080/14783363.2020.1735933	Routledge	14783363	Article	2-s2.0-85081388018
141	2021	A New Study on Tribological Performance of Phoenix Sp. Fiber-Reinforced Epoxy Composites	Rajeshkumar G.	Mechanical Engineering	Journal of Natural Fibers	10.1080/15440478.2020.1724235	Taylor and Francis Ltd.	15440478	Article	2-s2.0-85079459541
142	2021	Characterization of Surface Modified Phoenix sp. Fibers for Composite Reinforcement	Rajeshkumar G.	Mechanical Engineering	Journal of Natural Fibers	10.1080/15440478.2019.1711284	Taylor and Francis Ltd.	15440478	Article	2-s2.0-85077842053