

Manzoor Elahi M Soudagar

List of Publications by Year in descending order

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160
papers

5,070
citations

87888

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167
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167
docs citations

167
times ranked

2002
citing authors

#	ARTICLE	IF	CITATIONS
1	The effect of nano-additives in diesel-biodiesel fuel blends: A comprehensive review on stability, engine performance and emission characteristics. <i>Energy Conversion and Management</i> , 2018, 178, 146-177.	9.2	362
2	The effects of graphene oxide nanoparticle additive stably dispersed in dairy scum oil biodiesel-diesel fuel blend on CI engine: performance, emission and combustion characteristics. <i>Fuel</i> , 2019, 257, 116015.	6.4	152
3	Effect of Sr@ZnO nanoparticles and Ricinus communis biodiesel-diesel fuel blends on modified CRDI diesel engine characteristics. <i>Energy</i> , 2021, 215, 119094.	8.8	141
4	An investigation on the influence of aluminium oxide nano-additive and honge oil methyl ester on engine performance, combustion and emission characteristics. <i>Renewable Energy</i> , 2020, 146, 2291-2307.	8.9	140
5	Comparative study of nanoparticles and alcoholic fuel additives-biodiesel-diesel blend for performance and emission improvements. <i>Fuel</i> , 2020, 279, 118434.	6.4	136
6	Biodegradable carboxymethyl cellulose based material for sustainable packaging application. <i>Scientific Reports</i> , 2020, 10, 21960.	3.3	114
7	Influence of Al ₂ O ₃ nano additives in ternary fuel (diesel-biodiesel-ethanol) blends operated in a single cylinder diesel engine: Performance, combustion and emission characteristics. <i>Energy</i> , 2021, 215, 119091.	8.8	112
8	Effect of Nano-Graphene Oxide and n-Butanol Fuel Additives Blended with Dieselâ€™Nigella sativa Biodiesel Fuel Emulsion on Diesel Engine Characteristics. <i>Symmetry</i> , 2020, 12, 961.	2.2	109
9	Experimental investigations of the performance of a flat-plate solar collector using carbon and metal oxides based nanofluids. <i>Energy</i> , 2021, 227, 120452.	8.8	109
10	Clean combustion and emissions strategy using reactivity controlled compression ignition (RCCI) mode engine powered with CNG-Karanja biodiesel. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2021, 124, 116-131.	5.3	102
11	Ultrasound-assisted process optimization and tribological characteristics of biodiesel from palm-sesame oil via response surface methodology and extreme learning machine - Cuckoo search. <i>Renewable Energy</i> , 2020, 158, 202-214.	8.9	93
12	Study of diesel engine characteristics by adding nanosized zinc oxide and diethyl ether additives in Mahua biodieselâ€™diesel fuel blend. <i>Scientific Reports</i> , 2020, 10, 15326.	3.3	89
13	Engine performance and emission characteristics of palm biodiesel blends with graphene oxide nanoplatelets and dimethyl carbonate additives. <i>Journal of Environmental Management</i> , 2021, 282, 111917.	7.8	86
14	Modeling Viscosity and Density of Ethanol-Diesel-Biodiesel Ternary Blends for Sustainable Environment. <i>Sustainability</i> , 2020, 12, 5186.	3.2	81
15	Review of artificial neural networks for gasoline, diesel and homogeneous charge compression ignition engine. <i>AEJ - Alexandria Engineering Journal</i> , 2022, 61, 8363-8391.	6.4	81
16	Effect of Zinc Oxide Nano-Additives and Soybean Biodiesel at Varying Loads and Compression Ratios on VCR Diesel Engine Characteristics. <i>Symmetry</i> , 2020, 12, 1042.	2.2	79
17	An experimental investigation on the performance of a flat-plate solar collector using eco-friendly treated graphene nanoplateletsâ€™water nanofluids. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019, 138, 609-621.	3.6	78
18	Effect of injection parameters and producer gas derived from redgram stalk on the performance and emission characteristics of a diesel engine. <i>AEJ - Alexandria Engineering Journal</i> , 2021, 60, 3133-3142.	6.4	78

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19	Enhancement in Combustion, Performance, and Emission Characteristics of a Diesel Engine Fueled with Ce-ZnO Nanoparticle Additive Added to Soybean Biodiesel Blends. <i>Energies</i> , 2020, 13, 4578.	3.1	76
20	A comprehensive review on nanofluid operated solar flat plate collectors. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020, 139, 1309-1343.	3.6	69
21	Heat transfer growth of sonochemically synthesized novel mixed metal oxide ZnO+Al ₂ O ₃ +TiO ₂ /DW based ternary hybrid nanofluids in a square flow conduit. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 145, 111025.	16.4	69
22	Effects of hybrid nanoparticle additives in n-butanol/waste plastic oil/diesel blends on combustion, particulate and gaseous emissions from diesel engine evaluated with entropy-weighted PROMETHEE II and TOPSIS: Environmental and health risks of plastic waste. <i>Energy Conversion and Management</i> , 2022, 264, 115758.	9.2	67
23	Collective effect of ternary nano fuel blends on the diesel engine performance and emissions characteristics. <i>Fuel</i> , 2021, 293, 120420.	6.4	65
24	Effect of Additivized Biodiesel Blends on Diesel Engine Performance, Emission, Tribological Characteristics, and Lubricant Tribology. <i>Energies</i> , 2020, 13, 3375.	3.1	64
25	Experimental investigation on compression ignition engine powered with pentanol and thevetia peruviana methyl ester under reactivity controlled compression ignition mode of operation. <i>Case Studies in Thermal Engineering</i> , 2021, 25, 100921.	5.7	61
26	Optimum location and influence of tilt angle on performance of solar PV panels. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020, 141, 511-532.	3.6	56
27	Thermal Performance of Compression Ignition Engine Using High Content Biodiesels: A Comparative Study with Diesel Fuel. <i>Sustainability</i> , 2021, 13, 7688.	3.2	55
28	Current State and Perspectives on Transesterification of Triglycerides for Biodiesel Production. <i>Catalysts</i> , 2021, 11, 1121.	3.5	53
29	Investigation on the effect of cottonseed oil blended with different percentages of octanol and suspended MWCNT nanoparticles on diesel engine characteristics. <i>Journal of Thermal Analysis and Calorimetry</i> , 2022, 147, 525-542.	3.6	51
30	Human thermal comfort in passenger vehicles using an organic phase change material—an experimental investigation, neural network modelling, and optimization. <i>Building and Environment</i> , 2020, 180, 107012.	6.9	49
31	Utilization of biodiesel/Al ₂ O ₃ nanoparticles for combustion behavior enhancement of a diesel engine operated on dual fuel mode. <i>Journal of Thermal Analysis and Calorimetry</i> , 2022, 147, 5897-5911.	3.6	48
32	Experimental Analysis of Engine Performance and Exhaust Pollutant on a Single-Cylinder Diesel Engine Operated Using Moringa Oleifera Biodiesel. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 7071.	2.5	47
33	Experimental studies on performance and emission characteristics of reactivity controlled compression ignition (RCCI) engine operated with gasoline and Thevetia Peruviana biodiesel. <i>Renewable Energy</i> , 2020, 160, 865-875.	8.9	46
34	Effect of alcoholic and nano-particles additives on tribological properties of diesel—palm—sesame—biodiesel blends. <i>Energy Reports</i> , 2021, 7, 1162-1171.	5.1	45
35	Optimization of Thermal and Structural Design in Lithium-Ion Batteries to Obtain Energy Efficient Battery Thermal Management System (BTMS): A Critical Review. <i>Archives of Computational Methods in Engineering</i> , 2022, 29, 129-194.	10.2	44
36	Thermal analyses of minichannels and use of mathematical and numerical models. <i>Numerical Heat Transfer; Part A: Applications</i> , 2020, 77, 497-537.	2.1	43

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37	Two-phase frictional pressure drop with pure refrigerants in vertical mini/micro-channels. Case Studies in Thermal Engineering, 2021, 23, 100824.	5.7	42
38	Effect of various factors and diverse approaches to enhance the performance of solar stills: a comprehensive review. Journal of Thermal Analysis and Calorimetry, 2022, 147, 4491-4522.	3.6	42
39	Investigation and back-propagation modeling of base pressure at sonic and supersonic Mach numbers. Physics of Fluids, 2020, 32, .	4.0	41
40	Investigation of heat transfer due to isothermal heater in irregular porous cavity: Part I. AIP Conference Proceedings, 2017, , .	0.4	40
41	Effect of primary and secondary alcohols as oxygenated additives on the performance and emission characteristics of diesel engine. Energy Reports, 2021, 7, 1116-1124.	5.1	40
42	Effect of palm-sesame biodiesel fuels with alcoholic and nanoparticle additives on tribological characteristics of lubricating oil by four ball tribo-tester. AEJ - Alexandria Engineering Journal, 2021, 60, 4537-4546.	6.4	39
43	Influence of Silica Nano-Additives on Performance and Emission Characteristics of Soybean Biodiesel Fuelled Diesel Engine. Energies, 2021, 14, 1489.	3.1	38
44	Bio-based material from fruit waste of orange peel for industrial applications. Journal of Materials Research and Technology, 2022, 17, 3186-3197.	5.8	38
45	Investigation of the Dielectric and Thermal Properties of Non-Edible Cottonseed Oil by Infusing h-BN Nanoparticles. IEEE Access, 2020, 8, 76204-76217.	4.2	37
46	Double diffusion in arbitrary porous cavity: Part I. AIP Conference Proceedings, 2017, , .	0.4	36
47	Waste Animal Bones as Catalysts for Biodiesel Production; A Mini Review. Catalysts, 2021, 11, 630.	3.5	36
48	Fem Formulation of Coupled Partial Differential Equations for Heat Transfer. IOP Conference Series: Materials Science and Engineering, 2017, 225, 012023.	0.6	35
49	Effect of low CeO ₂ nanoparticles dosage in biodiesel-blends on combustion parameters and toxic pollutants from common-rail diesel engine. Atmospheric Pollution Research, 2022, 13, 101305.	3.8	35
50	Effect of split fuel injection strategies on the diverse characteristics of CRDI diesel engine operated with tamarind biodiesel. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 0, , 1-19.	2.3	34
51	Production and utilization aspects of waste cooking oil based biodiesel in Pakistan. AEJ - Alexandria Engineering Journal, 2021, 60, 5831-5849.	6.4	34
52	Energy, exergy, sustainability and economic analysis of waste tire pyrolysis oil blends with different nanoparticle additives in spark ignition engine. Energy, 2022, 251, 123697.	8.8	34
53	Fem Formulation for Heat and Mass Transfer in Porous Medium. IOP Conference Series: Materials Science and Engineering, 2017, 225, 012022.	0.6	33
54	Waste coconut oil methyl ester with and without additives as an alternative fuel in diesel engine at two different injection pressures. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 0, , 1-19.	2.3	33

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55	Combustion, emission, and phase stability features of a diesel engine fueled by Jatropha/ethanol blends and n-butanol as co-solvent. <i>International Journal of Green Energy</i> , 2020, 17, 793-804.	3.8	32
56	Development of Graphene Oxide-Based Nonedible Cottonseed Nanofluids for Power Transformers. <i>Materials</i> , 2020, 13, 2569.	2.9	31
57	Development of empirical correlations for density and viscosity estimation of ternary biodiesel blends. <i>Renewable Energy</i> , 2021, 179, 1447-1457.	8.9	31
58	Effect of manifold and port injection of hydrogen and exhaust gas recirculation (EGR) in dairy scum biodiesel - low energy content gas-fueled CI engine operated on dual fuel mode. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 6873-6897.	7.1	31
59	Hydrogen Injection in a Dual Fuel Engine Fueled with Low-Pressure Injection of Methyl Ester of Thevetia Peruviana (METP) for Diesel Engine Maintenance Application. <i>Energies</i> , 2020, 13, 5663.	3.1	30
60	Power Plant Energy Predictions Based on Thermal Factors Using Ridge and Support Vector Regressor Algorithms. <i>Energies</i> , 2021, 14, 7254.	3.1	30
61	Utilization of Azadirachta indica biodiesel, ethanol and diesel blends for diesel engine applications with engine emission profile. <i>Fuel</i> , 2022, 319, 123798.	6.4	29
62	Magnesium doped TiO ₂ as an efficient electron transport layer in perovskite solar cells. <i>Case Studies in Thermal Engineering</i> , 2021, 26, 101101.	5.7	28
63	Performance analysis of roof collector used in the solar updraft tower. <i>Sustainable Energy Technologies and Assessments</i> , 2021, 48, 101619.	2.7	27
64	Performance indicators for the optimal BTE of biodiesels with additives through engine testing by the Taguchi approach. <i>Chemosphere</i> , 2022, 288, 132450.	8.2	27
65	Ultrasonic assisted new Al ₂ O ₃ @TiO ₂ -ZnO/DW ternary composites nanofluids for enhanced energy transportation in a closed horizontal circular flow passage. <i>International Communications in Heat and Mass Transfer</i> , 2021, 120, 105018.	5.6	26
66	Performance Evaluation of a Direct Absorption Collector for Solar Thermal Energy Conversion. <i>Energies</i> , 2020, 13, 4956.	3.1	24
67	Bioethanol production from forest residues and life cycle cost analysis of bioethanol-gasoline blend on transportation sector. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105542.	6.7	23
68	Neural Network-Based Prediction Model to Investigate the Influence of Temperature and Moisture on Vibration Characteristics of Skew Laminated Composite Sandwich Plates. <i>Materials</i> , 2021, 14, 3170.	2.9	22
69	A study of sound pressure level (SPL) inside the truck cabin for new acoustic materials: An experimental and FEA approach. <i>AEJ - Alexandria Engineering Journal</i> , 2021, 60, 5949-5976.	6.4	21
70	Application of Agricultural Waste as Heterogeneous Catalysts for Biodiesel Production. <i>Catalysts</i> , 2021, 11, 1215.	3.5	21
71	Prospects of Catalysis for Process Sustainability of Eco-Green Biodiesel Synthesis via Transesterification: A State-Of-The-Art Review. <i>Sustainability</i> , 2022, 14, 7032.	3.2	21
72	Experimental investigation on the thermal performance of inserted helical tube three-fluid heat exchanger using graphene/water nanofluid. <i>Journal of Thermal Analysis and Calorimetry</i> , 2022, 147, 5087-5100.	3.6	20

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73	The Combined Effect of Alcohols and Calophyllum inophyllum Biodiesel Using Response Surface Methodology Optimization. Sustainability, 2021, 13, 7345.	3.2	20
74	Effect of biodiesel-dimethyl carbonate blends on engine performance, combustion and emission characteristics. AEJ - Alexandria Engineering Journal, 2022, 61, 5111-5121.	6.4	20
75	Effect of manifold injection of hydrogen gas in producer gas and neem biodiesel fueled CRDI dual fuel engine. International Journal of Hydrogen Energy, 2022, 47, 25913-25928.	7.1	20
76	Estimating the Long-Term Effects of National and International Sustainable Transport Policies on Energy Consumption and Emissions of Road Transport Sector of Pakistan. Sustainability, 2022, 14, 5732.	3.2	20
77	Maximising Yield and Engine Efficiency Using Optimised Waste Cooking Oil Biodiesel. Energies, 2020, 13, 5941.	3.1	19
78	Microwave Assisted Biodiesel Production Using Heterogeneous Catalysts. Energies, 2021, 14, 8135.	3.1	19
79	Machinability of AA6061 aluminum alloy and AISI 304L stainless steel using nonedible vegetable oils applied as minimum quantity lubrication. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2021, 43, 1.	1.6	18
80	Influence of Graphene Nano Particles and Antioxidants with Waste Cooking Oil Biodiesel and Diesel Blends on Engine Performance and Emissions. Energies, 2021, 14, 4306.	3.1	18
81	Potential of Utilization of Renewable Energy Technologies in Gulf Countries. Sustainability, 2021, 13, 10261.	3.2	18
82	Applications of Nano-Additives in Internal Combustion Engines: A Critical Review. Journal of Thermal Analysis and Calorimetry, 2022, 147, 9383-9403.	3.6	17
83	Thermal modelling and characteristic evaluation of electric vehicle battery system. Case Studies in Thermal Engineering, 2021, 26, 101058.	5.7	16
84	Sustainable adsorption method for the remediation of malachite green dye using nutraceutical industrial fenugreek seed spent. Biomass Conversion and Biorefinery, 2023, 13, 9119-9130.	4.6	16
85	Effect of injection timing and duration on the performance of diesel engine fueled with port injection of oxygenated fuels. Chemical Engineering Communications, 2023, 210, 1060-1072.	2.6	16
86	Fabrication characteristics and mechanical behaviour of aluminium alloy reinforced with Al ₂ O ₃ and coconut shell particles synthesized by stir casting. IOP Conference Series: Materials Science and Engineering, 0, 1057, 012017.	0.6	15
87	The intelligent networks for double-diffusion and MHD analysis of thin film flow over a stretched surface. Scientific Reports, 2021, 11, 19239.	3.3	15
88	Experimental assessment on machinability performance of CNT and DLC coated HSS tools for hard turning. Diamond and Related Materials, 2021, 119, 108568.	3.9	15
89	Effect of parameters on thermal and fluid-flow behavior of battery thermal management system. Thermal Science, 2021, 25, 3775-3787.	1.1	14
90	Adsorption Method for the Remediation of Brilliant Green Dye Using Halloysite Nanotube: Isotherm, Kinetic and Modeling Studies. Applied Sciences (Switzerland), 2021, 11, 8088.	2.5	14

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91	Leverage of Environmental Pollutant Crump Rubber on the Dry Sliding Wear Response of Epoxy Composites. <i>Polymers</i> , 2021, 13, 2894.	4.5	14
92	Clustering of COVID-19 data for knowledge discovery using c-means and fuzzy c-means. <i>Results in Physics</i> , 2021, 29, 104639.	4.1	14
93	Influence of Graphene Nano Fillers and Carbon Nano Tubes on the Mechanical and Thermal Properties of Hollow Glass Microsphere Epoxy Composites. <i>Processes</i> , 2022, 10, 40.	2.8	14
94	Impact of injection timings and exhaust gas recirculation rates on the characteristics of diesel engine operated with neat tamarind biodiesel. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 0, , 1-19.	2.3	13
95	Effect of crump rubber on the solid particle erosion response of epoxy composites. <i>Journal of Applied Polymer Science</i> , 2022, 139, 51470.	2.6	13
96	Effect of Parameters Behavior of Simarouba Methyl Ester Operated Diesel Engine. <i>Energies</i> , 2021, 14, 4973.	3.1	13
97	Blends of scum oil methyl ester, alcohols, silver nanoparticles and the operating conditions affecting the diesel engine performance and emission: an optimization study using Dragon fly algorithm. <i>Applied Nanoscience (Switzerland)</i> , 2021, 11, 2415-2432.	3.1	13
98	Response Surface Methodology and Artificial Neural Networks-Based Yield Optimization of Biodiesel Sourced from Mixture of Palm and Cotton Seed Oil. <i>Sustainability</i> , 2022, 14, 6130.	3.2	13
99	Sustainable Adsorption Method for the Remediation of Crystal Violet Dye Using Nutraceutical Industrial Fenugreek Seed Spent. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 7635.	2.5	12
100	Patient specific 3-d modeling of blood flow in a multi-stenosed left coronary artery. <i>Bio-Medical Materials and Engineering</i> , 2017, 28, 257-266.	0.6	11
101	Preparation and physicochemical properties evaluation of epoxidized neem oil-based bio-lubricant. <i>Australian Journal of Mechanical Engineering</i> , 2023, 21, 942-951.	2.1	11
102	Statistical Analysis of Polymer Nanocomposites for Mechanical Properties. <i>Molecules</i> , 2021, 26, 4135.	3.8	11
103	A case study on the electrical energy auditing and saving techniques in an educational institution (IMCO, Sohar, Oman). <i>Case Studies in Thermal Engineering</i> , 2022, 31, 101820.	5.7	11
104	Development of a Linear Acoustic Array for Aero-Acoustic Quantification of Camber-Bladed Vertical Axis Wind Turbine. <i>Sensors</i> , 2020, 20, 5954.	3.8	10
105	The potential of nanoparticle additives in biodiesel: A fundamental outset. <i>AIP Conference Proceedings</i> , 2020, , .	0.4	10
106	Effect of Soybean biodiesel and Copper coated Zinc oxide Nanoparticles on Enhancement of Diesel Engine Characteristics. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 0, , 1-19.	2.3	10
107	Electrical and mechanical properties of flexible multiwalled carbon nanotube/poly (dimethylsiloxane) based nanocomposite sheets. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106550.	6.7	10
108	Production of Mahua Oil Ethyl Ester (MOEE) and its Performance test on four stroke single cylinder VCR engine. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017, 225, 012029.	0.6	9

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109	Flame propagation and burning characteristics of pulverized biomass for sustainable biofuel. Biomass Conversion and Biorefinery, 2021, 11, 409-417.	4.6	9
110	Parametric Analysis of Epoxy/Crumb Rubber Composite by Using Taguchiâ€™GRA Hybrid Technique. Polymers, 2021, 13, 3441.	4.5	9
111	Biosorption of crystal violet by nutraceutical industrial fennel seed spent equilibrium, kinetics, and thermodynamic studies. Biocatalysis and Agricultural Biotechnology, 2022, 43, 102402.	3.1	9
112	Combined Effect of Synthesized Waste Milk Scum Oil Methyl Ester and Ethanol Fuel Blend on the Diesel Engine Characteristics. Journal of the Institution of Engineers (India): Series C, 2020, 101, 947-962.	1.2	8
113	Nanoceramic Composites for Nuclear Radiation Attenuation. Materials, 2022, 15, 262.	2.9	8
114	Removal of heavy metals from wastewater using low-cost biochar prepared from jackfruit seed waste. Biomass Conversion and Biorefinery, 2023, 13, 14447-14456.	4.6	8
115	Comprehensive review on polymer composites as electromagnetic interference shielding materials. Polymers and Polymer Composites, 2022, 30, 096739112211021.	1.9	8
116	Production of honge oil methyl ester (HOME) and its performance test on four stroke single cylinder VCR engine. AIP Conference Proceedings, 2019, , .	0.4	7
117	A Recent Study on Remediation of Direct Blue 15 Dye Using Halloysite Nanotubes. Applied Sciences (Switzerland), 2021, 11, 8196.	2.5	7
118	Effect of Producer Gas from Redgram Stalk and Combustion Chamber Types on the Emission and Performance Characteristics of Diesel Engine. Energies, 2021, 14, 5879.	3.1	7
119	Hydraulic characterization of Diesel, B50 and B100 using momentum flux. AEJ - Alexandria Engineering Journal, 2022, 61, 4371-4388.	6.4	7
120	Performance Analysis of a Solarâ€™Biogas Hybrid Micro Gas Turbine for Power Generation. Journal of Solar Energy Engineering, Transactions of the ASME, 2021, 143, .	1.8	7
121	Influence of Low Sintering Temperature on BaCe _{0.2} Zr _{0.6} Y _{0.2} O _{3-δ} IT-SOFC Perovskite Electrolyte Synthesized by Co-Precipitation Method. Materials, 2022, 15, 3585.	2.9	7
122	Factors affecting the solid particle erosion of environment pollutant and natural particulate filled polymer compositesâ€™A review. Polymers and Polymer Composites, 2021, 29, 1587-1598.	1.9	6
123	Numerical investigation of particles characteristics on cyclone performance for sustainable environment. Particulate Science and Technology, 2021, 39, 495-503.	2.1	6
124	Artificial Neural Network Led Optimization of Oxyhydrogen Hybridized Diesel Operated Engine. Sustainability, 2021, 13, 9373.	3.2	6
125	Investigation of Various Coating Resins for Optimal Anticorrosion and Mechanical Properties of Mild Steel Surface in NaCl Solution. Advances in Materials Science and Engineering, 2022, 2022, 1-9.	1.8	6
126	Experimental investigation on the flexural response of epoxy composites filled with environmental pollutant crump rubber. Materials Research Express, 2022, 9, 035503.	1.6	6

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127	Experimental assessment of diverse diesel engine characteristics fueled with an oxygenated fuel added lemon peel biodiesel blends. <i>Fuel</i> , 2022, 324, 124529.	6.4	6
128	Design and Parametric Optimization of the High-Speed Pico Waterwheel for Rural Electrification of Pakistan. <i>Sustainability</i> , 2022, 14, 6930.	3.2	6
129	Double diffusion in arbitrary porous cavity: Part II. <i>AIP Conference Proceedings</i> , 2017, , .	0.4	5
130	Evaluation on Enhanced Heat Transfer Using Sonochemically Synthesized Stable ZnO-Eg@Dw Nanofluids in Horizontal Calibrated Circular Flow Passage. <i>Energies</i> , 2021, 14, 2400.	3.1	5
131	Comparative Analysis of Performance, Emission, and Combustion Characteristics of a Common Rail Direct Injection Diesel Engine Powered with Three Different Biodiesel Blends. <i>Energies</i> , 2021, 14, 5597.	3.1	5
132	Heterogeneous Catalyzed Biodiesel Production Using Cosolvent: A Mini Review. <i>Sustainability</i> , 2022, 14, 5062.	3.2	5
133	Numerical Investigation of double pipe heat exchanger with different nanofluids. <i>IOP Conference Series: Earth and Environmental Science</i> , 2020, 573, 012030.	0.3	4
134	Numerical investigation on pressure-driven electro osmotic flow and mixing in a constricted micro channel by triangular obstacle. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2021, 31, 982-1013.	2.8	4
135	Characteristics investigation of silicone rubber-based RTV/ $\mu\text{ATH@nSiO}_2$ micro/nano composites for outdoor high voltage insulation. <i>Journal of Dispersion Science and Technology</i> , 2022, 43, 1346-1358.	2.4	4
136	Experimental evaluation and numerical verification of enhanced heat transportation by using ultrasonic assisted nanofluids in a closed horizontal circular passage. <i>Case Studies in Thermal Engineering</i> , 2021, 26, 101026.	5.7	4
137	Optimization of Microjet Location Using Surrogate Model Coupled with Particle Swarm Optimization Algorithm. <i>Mathematics</i> , 2021, 9, 2167.	2.2	4
138	Performance of Common Rail Direct Injection (CRDi) Engine Using Ceiba Pentandra Biodiesel and Hydrogen Fuel Combination. <i>Energies</i> , 2021, 14, 7142.	3.1	4
139	A comprehensive analysis to assess the impact of nano MoS ₂ on the wear characteristic of Al-TiB ₂ -Gr composite. <i>Materials Research Express</i> , 2022, 9, 016525.	1.6	4
140	Improved surface temperature of absorber plate using metallic titanium particles for solar still application. <i>Sustainable Energy Technologies and Assessments</i> , 2022, 52, 102092.	2.7	4
141	Carbon Capture for Sustainable Environment in Developing Countries. <i>Advanced Sciences and Technologies for Security Applications</i> , 2021, , 525-544.	0.5	3
142	Influence of Combustion Chamber Shapes and Nozzle Geometry on Performance, Emission, and Combustion Characteristics of CRDI Engine Powered with Biodiesel Blends. <i>Sustainability</i> , 2021, 13, 9613.	3.2	3
143	Biodiesel Production Utilizing Diverse Sources, Classification of Oils and Their Esters, Performance and Emission Characteristics: A Research. <i>International Journal of Recent Technology and Engineering</i> , 2019, 8, 976-983.	0.2	3
144	Production, Characterization, and Antimicrobial Activity of Pigment from <i>Streptomyces</i> Species. <i>Journal of Nanomaterials</i> , 2022, 2022, 1-8.	2.7	3

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145	Fem Formulation of Heat Transfer in Cylindrical Porous Medium. IOP Conference Series: Materials Science and Engineering, 2017, 225, 012024.	0.6	2
146	A Comparison of the Effect of Single and Multiple Cavities on Base Flows. , 2018, , .		2
147	Experimental investigation on CI engine with jatropha biodiesel-hydrogen peroxide blends. IOP Conference Series: Materials Science and Engineering, 2021, 1070, 012102.	0.6	2
148	Corrosion Characterization at Surface and Subsurface of Iron-Based Buried Water Pipelines. Materials, 2021, 14, 5877.	2.9	2
149	The effect of enzymatic hydrolysis of pretreated wastepaper for bioethanol production. Korean Journal of Chemical Engineering, 2021, 38, 2493-2499.	2.7	2
150	The Investigation of Mixed Ferrofluids Containing Iron Oxide nanoparticles and Microspheres. Advances in Materials Science and Engineering, 2021, 2021, 1-11.	1.8	2
151	Investigation of flexural properties of epoxy composite by utilizing graphene nanofillers and natural hemp fibre reinforcement. Polymers and Polymer Composites, 2022, 30, 096739112210936.	1.9	2
152	Investigation of heat transfer due to isothermal heater in irregular porous cavity: Part II. AIP Conference Proceedings, 2017, , .	0.4	0
153	Investigation of heat transfer due to isothermal heater in irregular porous cavity: Part III. AIP Conference Proceedings, 2017, , .	0.4	0
154	Double diffusion in arbitrary porous cavity: Part III. AIP Conference Proceedings, 2017, , .	0.4	0
155	Double diffusive conjugate heat transfer: Part III. AIP Conference Proceedings, 2018, , .	0.4	0
156	Double diffusive conjugate heat transfer: Part II. AIP Conference Proceedings, 2018, , .	0.4	0
157	Double diffusive conjugate heat transfer: Part I. AIP Conference Proceedings, 2018, , .	0.4	0
158	Wear response review of natural and environment pollutant filled polymer composites. AIP Conference Proceedings, 2020, , .	0.4	0
159	Biodiesel Production Using Modified Direct Transesterification by Sequential Use of Acid-Base Catalysis and Performance Evaluation of Diesel Engine Using Various Blends. Sustainability, 2021, 13, 9731.	3.2	0
160	Processing of <i>Azadirachta Indica</i> Biodiesel Blend with Ethanol and Diesel and Application in Diesel Engine for Emission Profile. SSRN Electronic Journal, 0, , .	0.4	0