

Syed Shahabuddin

List of Publications by Year in descending order

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192
papers

8,447
citations

71061

41
h-index

51562

86
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197
all docs

197
docs citations

197
times ranked

7598
citing authors

#	ARTICLE	IF	CITATIONS
1	A review on applications and challenges of nanofluids. <i>Renewable and Sustainable Energy Reviews</i> , 2011, 15, 1646-1668.	8.2	1,521
2	A review of nanofluid stability properties and characterization in stationary conditions. <i>International Journal of Heat and Mass Transfer</i> , 2011, 54, 4051-4068.	2.5	940
3	A review on current status and challenges of inorganic phase change materials for thermal energy storage systems. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 70, 1072-1089.	8.2	483
4	Energy performance of an evacuated tube solar collector using single walled carbon nanotubes nanofluids. <i>Energy Conversion and Management</i> , 2015, 105, 1377-1388.	4.4	188
5	Performance investigation of thermal energy storage system with Phase Change Material (PCM) for solar water heating application. <i>International Communications in Heat and Mass Transfer</i> , 2014, 57, 132-139.	2.9	183
6	Effect of Ultrasonication Duration on Colloidal Structure and Viscosity of Alumina-Water Nanofluid. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 6677-6684.	1.8	161
7	Synthesis of chitosan grafted-polyaniline/ Co_3O_4 nanocube nanocomposites and their photocatalytic activity toward methylene blue dye degradation. <i>RSC Advances</i> , 2015, 5, 83857-83867.	1.7	161
8	A review for phase change materials (PCMs) in solar absorption refrigeration systems. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 76, 105-137.	8.2	157
9	Curbing global warming with phase change materials for energy storage. <i>Renewable and Sustainable Energy Reviews</i> , 2013, 18, 23-30.	8.2	149
10	SrTiO_3 Nanocube-Doped Polyaniline Nanocomposites with Enhanced Photocatalytic Degradation of Methylene Blue under Visible Light. <i>Polymers</i> , 2016, 8, 27.	2.0	148
11	Latest development in microalgae-biofuel production with nano-additives. <i>Biotechnology for Biofuels</i> , 2019, 12, 125.	6.2	147
12	Synthesis and characterization of Co_3O_4 nanocube-doped polyaniline nanocomposites with enhanced methyl orange adsorption from aqueous solution. <i>RSC Advances</i> , 2016, 6, 43388-43400.	1.7	119
13	Thermal performance enhancement of a flat plate solar collector using hybrid nanofluid. <i>Solar Energy</i> , 2020, 204, 208-222.	2.9	117
14	A comprehensive review on counter electrodes for dye sensitized solar cells: A special focus on Pt-TCO free counter electrodes. <i>Solar Energy</i> , 2018, 174, 1097-1125.	2.9	116
15	Effective ultrasonication process for better colloidal dispersion of nanofluid. <i>Ultrasonics Sonochemistry</i> , 2015, 26, 361-369.	3.8	110
16	Energy, economic, and environmental analysis of a flat-plate solar collector operated with SiO_2 nanofluid. <i>Clean Technologies and Environmental Policy</i> , 2015, 17, 1457-1473.	2.1	100
17	Synthesis of Polyaniline-Coated Graphene Oxide@ SrTiO_3 Nanocube Nanocomposites for Enhanced Removal of Carcinogenic Dyes from Aqueous Solution. <i>Polymers</i> , 2016, 8, 305.	2.0	98
18	A novel polyaniline (PANI)/ paraffin wax nano composite phase change material: Superior transition heat storage capacity, thermal conductivity and thermal reliability. <i>Solar Energy</i> , 2020, 204, 448-458.	2.9	95

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19	Exergetic analysis of a solar thermal power system with PCM storage. <i>Energy Conversion and Management</i> , 2014, 78, 486-492.	4.4	94
20	Concentrated photovoltaic thermal systems: A component-by-component view on the developments in the design, heat transfer medium and applications. <i>Energy Conversion and Management</i> , 2019, 186, 15-41.	4.4	86
21	Synthesis of 2D boron nitride doped polyaniline hybrid nanocomposites for photocatalytic degradation of carcinogenic dyes from aqueous solution. <i>Arabian Journal of Chemistry</i> , 2018, 11, 1000-1016.	2.3	82
22	Optical, stability and energy performance of water-based MXene nanofluids in hybrid PV/thermal solar systems. <i>Solar Energy</i> , 2020, 204, 32-47.	2.9	81
23	Nanogenerators as a Sustainable Power Source: State of Art, Applications, and Challenges. <i>Nanomaterials</i> , 2019, 9, 773.	1.9	78
24	Phase change materials integrated solar thermal energy systems: Global trends and current practices in experimental approaches. <i>Journal of Energy Storage</i> , 2020, 27, 101118.	3.9	76
25	Improved Thermophysical Properties and Energy Efficiency of Aqueous Ionic Liquid/MXene Nanofluid in a Hybrid PV/T Solar System. <i>Nanomaterials</i> , 2020, 10, 1372.	1.9	74
26	Evaluating the Optical Properties of TiO ₂ Nanofluid for a Direct Absorption Solar Collector. <i>Numerical Heat Transfer; Part A: Applications</i> , 2015, 67, 1010-1027.	1.2	60
27	Experimental investigation on stability, thermal conductivity and rheological properties of rGO/ethylene glycol based nanofluids. <i>International Journal of Heat and Mass Transfer</i> , 2020, 150, 118981.	2.5	59
28	Hydrogel-Based Adsorbent Material for the Effective Removal of Heavy Metals from Wastewater: A Comprehensive Review. <i>Gels</i> , 2022, 8, 263.	2.1	59
29	Feasibility analysis of a hybrid off-grid wind+DG-battery energy system for the eco-tourism remote areas. <i>Clean Technologies and Environmental Policy</i> , 2015, 17, 2417-2430.	2.1	58
30	Acacia Holosericea: An Invasive Species for Bio-char, Bio-oil, and Biogas Production. <i>Bioengineering</i> , 2019, 6, 33.	1.6	57
31	Synthesis and characterization of conducting Polyaniline@cobalt-Paraffin wax nanocomposite as nano-phase change material: Enhanced thermophysical properties. <i>Renewable Energy</i> , 2021, 173, 1057-1069.	4.3	57
32	Equilibrium, Kinetic and Thermodynamic Study of Magnetic Polyaniline/Graphene Oxide Based Nanocomposites for Ciprofloxacin Removal from Water. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2018, 28, 1226-1234.	1.9	55
33	Green synthesis of silver nanoparticles from Catharanthus roseus dried bark extract deposited on graphene oxide for effective adsorption of methylene blue dye. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 103955.	3.3	55
34	Effect of process parameters over carbon-based ZIF-62 nano-rooted membrane for environmental pollutants separation. <i>Chemosphere</i> , 2022, 291, 133006.	4.2	54
35	Effectiveness Study of a Shell and Tube Heat Exchanger Operated with Nanofluids at Different Mass Flow Rates. <i>Numerical Heat Transfer; Part A: Applications</i> , 2014, 65, 699-713.	1.2	51
36	A comprehensive review of MXenes as catalyst supports for the oxygen reduction reaction in fuel cells. <i>International Journal of Energy Research</i> , 2021, 45, 15760-15782.	2.2	49

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37	Polyaniline-SrTiO ₃ nanocube based binary nanocomposite as highly stable electrode material for high performance supercapattery. <i>Ceramics International</i> , 2019, 45, 11428-11437.	2.3	48
38	Back propagation modeling of shear stress and viscosity of aqueous ionic-MXene nanofluids. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021, 145, 2129-2149.	2.0	47
39	Evaluation of the bioenergy potential of invasive <i>Pennisetum purpureum</i> through pyrolysis and thermogravimetric analysis. <i>Energy, Ecology and Environment</i> , 2020, 5, 118-133.	1.9	46
40	Long-term thermophysical behavior of paraffin wax and paraffin wax/polyaniline (PANI) composite phase change materials. <i>Journal of Energy Storage</i> , 2020, 31, 101568.	3.9	44
41	Polyol induced interpenetrating networks: chitosan-methylmethacrylate based biocompatible and pH responsive hydrogels for drug delivery system. <i>Journal of Materials Chemistry B</i> , 2013, 1, 168-178.	2.9	43
42	Fabrication and Characterization of an Electrospun PHA/Graphene Silver Nanocomposite Scaffold for Antibacterial Applications. <i>Materials</i> , 2018, 11, 1673.	1.3	42
43	A cobalt oxide nanocubes interleaved reduced graphene oxide nanocomposite modified glassy carbon electrode for amperometric detection of serotonin. <i>Materials Science and Engineering C</i> , 2019, 100, 388-395.	3.8	41
44	An artificial neural network approach for the prediction of dynamic viscosity of MXene-palm oil nanofluid using experimental data. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021, 144, 1175-1186.	2.0	41
45	Boron Nitride Doped Polyhydroxyalkanoate/Chitosan Nanocomposite for Antibacterial and Biological Applications. <i>Nanomaterials</i> , 2019, 9, 645.	1.9	40
46	Deoxygenation of graphene oxide using household baking soda as a reducing agent: a green approach. <i>RSC Advances</i> , 2015, 5, 70461-70472.	1.7	39
47	MHD Mixed Convection with Joule Heating Effect in a Lid-Driven Cavity with a Heated Semi-Circular Source Using the Finite Element Technique. <i>Numerical Heat Transfer; Part A: Applications</i> , 2011, 60, 543-560.	1.2	37
48	Experimental and numerical investigation of heat transfer in CNT nanofluids. <i>Journal of Experimental Nanoscience</i> , 2015, 10, 545-563.	1.3	36
49	Secondary transmission of SARS-CoV-2 through wastewater: Concerns and tactics for treatment to effectively control the pandemic. <i>Journal of Environmental Management</i> , 2021, 290, 112668.	3.8	36
50	Fabrication of biopolymer polyhydroxyalkanoate/chitosan and 2D molybdenum disulfide-doped scaffolds for antibacterial and biomedical applications. <i>Applied Microbiology and Biotechnology</i> , 2020, 104, 3121-3131.	1.7	35
51	State-of-the-art review on water-based nanofluids for low temperature solar thermal collector application. <i>Solar Energy Materials and Solar Cells</i> , 2021, 230, 111220.	3.0	35
52	A glycerol-water-based nanofluid containing graphene oxide nanosheets. <i>Journal of Materials Science</i> , 2014, 49, 5934-5944.	1.7	34
53	Social acceptance of solar energy in Malaysia: users' perspective. <i>Clean Technologies and Environmental Policy</i> , 2015, 17, 1975-1986.	2.1	33
54	Molecular dynamic simulation: Studying the effects of Brownian motion and induced micro-convection in nanofluids. <i>Numerical Heat Transfer; Part A: Applications</i> , 2016, 69, 643-658.	1.2	32

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55	Novel magnetic graphene oxide functionalized cyanopropyl nanocomposite as an adsorbent for the removal of Pb(II) ions from aqueous media: equilibrium and kinetic studies. Environmental Science and Pollution Research, 2018, 25, 27122-27132.	2.7	32
56	Optimization of Thermophysical and Rheological Properties of Mxene Ionanofluids for Hybrid Solar Photovoltaic/Thermal Systems. Nanomaterials, 2021, 11, 320.	1.9	32
57	Molecular Dynamic Simulation on the Thermal Conductivity of Nanofluids in Aggregated and Non-Aggregated States. Numerical Heat Transfer; Part A: Applications, 2015, 68, 432-453.	1.2	31
58	Photocatalytic reduction of CO_2 to methanol over $\text{ZnFe}_2\text{O}_4/\text{TiO}_2$ (p^{n}) heterojunctions under visible light irradiation. Journal of Chemical Technology and Biotechnology, 2020, 95, 2208-2221.	1.6	31
59	Synthesis and characterization of green menthol-based low transition temperature mixture with tunable thermophysical properties as hydrophobic low viscosity solvent. Journal of Molecular Liquids, 2020, 308, 113015.	2.3	31
60	Concentrated Photovoltaic Thermal (CPVT) systems: Recent advancements in clean energy applications, thermal management and storage. Journal of Energy Storage, 2022, 45, 103369.	3.9	30
61	Heat Transfer Enhancement of Nanofluids in a Lid-Driven Square Enclosure. Numerical Heat Transfer; Part A: Applications, 2012, 62, 973-991.	1.2	29
62	The influence of covalent and non-covalent functionalization of GNP based nanofluids on its thermophysical, rheological and suspension stability properties. RSC Advances, 2019, 9, 38576-38589.	1.7	29
63	Energy performance investigation of nanofluid-based concentrated photovoltaic / thermal-thermoelectric generator hybrid system. International Journal of Energy Research, 2021, 45, 9039-9057.	2.2	29
64	Nano additive enhanced salt hydrate phase change materials for thermal energy storage. International Materials Reviews, 2023, 68, 140-183.	9.4	29
65	Chemical sintering of TiO_2 based photoanode for efficient dye sensitized solar cells using Zn nanoparticles. Ceramics International, 2018, 44, 18444-18449.	2.3	28
66	Optical properties and stability of water-based nanofluids mixed with reduced graphene oxide decorated with silver and energy performance investigation in hybrid photovoltaic/thermal solar systems. International Journal of Energy Research, 2020, 44, 11487-11508.	2.2	28
67	2-D Mxene flakes as potential replacement for both TCO and Pt layers for Dye-Sensitized Solar cell. Ceramics International, 2021, 47, 27942-27947.	2.3	28
68	An Analysis of Energy, Exergy, and Sustainable Development of a Vapor Compression Refrigeration System Using Hydrocarbon. International Journal of Green Energy, 2012, 9, 702-717.	2.1	27
69	Laminar Mixed Convection in Inclined Triangular Enclosures Filled with Water Based Cu Nanofluid. Industrial & Engineering Chemistry Research, 2012, 51, 4090-4100.	1.8	27
70	A support vector regression model for the prediction of total polyaromatic hydrocarbons in soil: an artificial intelligent system for mapping environmental pollution. Neural Computing and Applications, 2020, 32, 14899-14908.	3.2	27
71	Recent progresses and challenges in cooling techniques of concentrated photovoltaic thermal system: A review with special treatment on phase change materials (PCMs) based cooling. Solar Energy Materials and Solar Cells, 2022, 241, 111739.	3.0	27
72	Piperazine clubbed with 2-azetidinone derivatives suppresses proliferation, migration and induces apoptosis in human cervical cancer HeLa cells through oxidative stress mediated intrinsic mitochondrial pathway. Apoptosis: an International Journal on Programmed Cell Death, 2018, 23, 113-131.	2.2	26

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73	Kinetic and equilibrium adsorption of lead from water using magnetic metformin-substituted SBA-15. <i>Environmental Science: Water Research and Technology</i> , 2018, 4, 549-558.	1.2	25
74	Improved thermo-physical properties and energy efficiency of hybrid PCM/graphene-silver nanocomposite in a hybrid CPV/thermal solar system. <i>Journal of Thermal Analysis and Calorimetry</i> , 2022, 147, 1125-1142.	2.0	25
75	Ultrasonication-facilitated synthesis of functionalized graphene oxide for ultrasound-assisted magnetic dispersive solid-phase extraction of amoxicillin, ampicillin, and penicillin G. <i>Mikrochimica Acta</i> , 2020, 187, 634.	2.5	24
76	Removal of endocrine disruptor di-(2-ethylhexyl)phthalate by modified polythiophene-coated magnetic nanoparticles: characterization, adsorption isotherm, kinetic study, thermodynamics. <i>RSC Advances</i> , 2016, 6, 44655-44667.	1.7	23
77	Cooling performance analysis of nanofluid assisted novel photovoltaic thermoelectric air conditioner for energy efficient buildings. <i>Applied Thermal Engineering</i> , 2022, 213, 118691.	3.0	23
78	Enhancing the efficiency of luminescent solar concentrators (LSCs). <i>Applied Physics A: Materials Science and Processing</i> , 2016, 122, 1.	1.1	22
79	Fatty acid/metal ion composite as thermal energy storage materials. <i>SN Applied Sciences</i> , 2020, 2, 1.	1.5	22
80	Preparation, characterization and thermophysical properties investigation of A70/polyaniline nanocomposite phase change material for medium temperature solar applications. <i>Energy and Built Environment</i> , 2021, 2, 271-277.	2.9	21
81	An efficient platform based on strontium titanate nanocubes interleaved polypyrrole nanohybrid as counter electrode for dye-sensitized solar cell. <i>Journal of Alloys and Compounds</i> , 2021, 860, 158228.	2.8	21
82	A reliable model to estimate the effective thermal conductivity of nanofluids. <i>Heat and Mass Transfer</i> , 2019, 55, 397-411.	1.2	20
83	Influence of solvents on the enhancement of thermophysical properties and stability of multi-walled carbon nanotubes nanofluid. <i>Nanotechnology</i> , 2020, 31, 235402.	1.3	20
84	A comparative experimental study on the physical behavior of mono and hybrid RBD palm olein based nanofluids using CuO nanoparticles and PANI nanofibers. <i>International Communications in Heat and Mass Transfer</i> , 2021, 120, 105006.	2.9	20
85	Effects of the particle size and temperature on the efficiency of nanofluids using molecular dynamic simulation. <i>Numerical Heat Transfer; Part A: Applications</i> , 2016, 69, 996-1013.	1.2	19
86	Thermal Performance of Hybrid-Inspired Coolant for Radiator Application. <i>Nanomaterials</i> , 2020, 10, 1100.	1.9	19
87	The Optimization of Solar Drying of Grain by Using a Genetic Algorithm. <i>International Journal of Green Energy</i> , 2015, 12, 1222-1231.	2.1	18
88	Performance evaluation of a shell and tube heat exchanger operated with oxide based nanofluids. <i>Heat and Mass Transfer</i> , 2016, 52, 1425-1433.	1.2	18
89	Economic feasibility analysis of a solar energy and solid oxide fuel cell-based cogeneration system in Malaysia. <i>Clean Technologies and Environmental Policy</i> , 2016, 18, 669-687.	2.1	17
90	Effects of Shape and Size of Cobalt Phosphate Nanoparticles against <i>Acanthamoeba castellanii</i> . <i>Pathogens</i> , 2019, 8, 260.	1.2	17

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91	A Comparative Study of Cytotoxicity of PPG and PEG Surface-Modified 2-D Ti ₃ C ₂ MXene Flakes on Human Cancer Cells and Their Photothermal Response. <i>Materials</i> , 2021, 14, 4370.	1.3	17
92	An experimental study on characterization and properties of eco-friendly nanolubricant containing polyaniline (PANI) nanotubes blended in RBD palm olein oil. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021, 145, 2967-2981.	2.0	16
93	ANN Modeling of Thermal Conductivity and Viscosity of MXene-Based Aqueous IoNanofluid. <i>International Journal of Thermophysics</i> , 2021, 42, 1.	1.0	16
94	Heat transfer and pressure drop characteristics of a plate heat exchanger using water based Al ₂ O ₃ nanofluid for 30° and 60° chevron angles. <i>Heat and Mass Transfer</i> , 2018, 54, 2907-2916.	1.2	15
95	Impacts of energy efficiency standard on motor energy savings and emission reductions. <i>Clean Technologies and Environmental Policy</i> , 2011, 13, 103-109.	2.1	14
96	Effect of Sine-Squared Thermal Boundary Condition on Augmentation of Heat Transfer in a Triangular Solar Collector Filled with Different Nanofluids. <i>Numerical Heat Transfer, Part B: Fundamentals</i> , 2015, 68, 53-74.	0.6	14
97	Electrospun Magnetic Zeolite/Polyacrylonitrile Nanofibers for Extraction of PAHs from Waste Water: Optimized with Central Composite Design. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2019, 29, 1057-1066.	1.9	14
98	Simultaneous removal of carcinogenic anionic and cationic dyes from environmental water using a new Zn-based metal-organic framework. <i>Separation Science and Technology</i> , 2021, 56, 330-343.	1.3	14
99	The Waste Management of Polyethylene Terephthalate (PET) Plastic Waste: A Review. <i>IOP Conference Series: Materials Science and Engineering</i> , 2021, 1127, 012002.	0.3	14
100	Fabrication of highly and poorly oxidized silver oxide/silver/tin(IV) oxide nanocomposites and their comparative anti-pathogenic properties towards hazardous food pathogens. <i>Journal of Hazardous Materials</i> , 2021, 408, 124896.	6.5	14
101	An energy flow analysis in a paper-based industry. <i>Clean Technologies and Environmental Policy</i> , 2012, 14, 905-916.	2.1	13
102	Numerical Simulation of Unsteady Heat Transfer in a Half-Moon Shape Enclosure with Variable Thermal Boundary Condition for Different Nanofluids. <i>Numerical Heat Transfer, Part B: Fundamentals</i> , 2014, 65, 282-301.	0.6	13
103	Optimization of waste quail eggshells as biocomposites for polyaniline in ammonia gas detection. <i>Polymer Engineering and Science</i> , 2020, 60, 3170-3182.	1.5	13
104	Two-Dimensional Tungsten Disulfide-Based Ethylene Glycol Nanofluids: Stability, Thermal Conductivity, and Rheological Properties. <i>Nanomaterials</i> , 2020, 10, 1340.	1.9	13
105	Comparative evaluation on the thermal properties and stability of MWCNT nanofluid with conventional surfactants and ionic liquid. <i>Journal of Thermal Analysis and Calorimetry</i> , 2022, 147, 393-408.	2.0	13
106	Effect of WS ₂ nano-sheets on the catalytic activity of polyaniline nano-rods based counter electrode for dye sensitized solar cell. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2021, 126, 114466.	1.3	13
107	Survey of grid-connected photovoltaic inverters and related systems. <i>Clean Technologies and Environmental Policy</i> , 2012, 14, 521-533.	2.1	12
108	Palm Fatty Acid Functionalized Fe ₃ O ₄ Nanoparticles as Highly Selective Oil Adsorption Material. <i>Journal of Nanoscience and Nanotechnology</i> , 2018, 18, 3248-3256.	0.9	12

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109	Antibacterial Effects of Quinazolin-4(3H)-One Functionalized-Conjugated Silver Nanoparticles. Antibiotics, 2019, 8, 179.	1.5	12
110	Pharmacokinetic evaluation, molecular docking and in vitro biological evaluation of 1, 3, 4-oxadiazole derivatives as potent antioxidants and STAT3 inhibitors. Journal of Pharmaceutical Analysis, 2019, 9, 133-141.	2.4	12
111	Immense impact from small particles: Review on stability and thermophysical properties of nanofluids. Sustainable Energy Technologies and Assessments, 2021, 48, 101635.	1.7	12
112	Solar energy policy: Malaysia vs developed countries. , 2011, , .		11
113	Simulation of mixed convection heat transfer in a horizontal channel with an open cavity containing a heated hollow cylinder. Heat Transfer - Asian Research, 2012, 41, 339-353.	2.8	11
114	Energy, economic, and environmental analysis of the Malaysian industrial compressed-air systems. Clean Technologies and Environmental Policy, 2012, 14, 195-210.	2.1	11
115	Thermal conductivity and rheological investigation of aqueous poly(ethylene) glycol/MXene as a novel heat transfer fluid. AIP Conference Proceedings, 2021, , .	0.3	11
116	Transient Behavior in Variable Geometry Industrial Gas Turbines: A Comprehensive Overview of Pertinent Modeling Techniques. Entropy, 2021, 23, 250.	1.1	11
117	Experimental Evaluation of an Unmodified Diesel Engine using Biodiesel with Fuel Additive. , 2006, , .		10
118	New magnetic Co ₃ O ₄ /Fe ₃ O ₄ doped polyaniline nanocomposite for the effective and rapid removal of nitrate ions from ground water samples. Environmental Progress and Sustainable Energy, 2020, 39, 13306.	1.3	10
119	Hybrid Nanocellulose-Copper (II) Oxide as Engine Oil Additives for Tribological Behavior Improvement. Molecules, 2020, 25, 2975.	1.7	10
120	Synthesis and Characterization of 2D-WS ₂ Incorporated Polyaniline Nanocomposites as Photo Catalyst for Methylene Blue Degradation. Nanomaterials, 2022, 12, 2090.	1.9	10
121	Effect of partial substitution of diesel fuel by natural gas on performance parameters of a four-cylinder diesel engine. Proceedings of the Institution of Mechanical Engineers, Part A: Journal of Power and Energy, 2007, 221, 1-10.	0.8	9
122	Application of Artificial Neural Networks (ANN) for Prediction the Performance of a Dual Fuel Internal Combustion Engine. HKIE Transactions, 2009, 16, 14-20.	1.9	9
123	Optimization of Mixed Convection in a Lid-Driven Enclosure with a Heat Generating Circular Body. Numerical Heat Transfer; Part A: Applications, 2011, 60, 629-650.	1.2	9
124	Application of artificial neural network to map the performance characteristics of boiler using different algorithms. International Journal of Green Energy, 2021, 18, 1091-1103.	2.1	9
125	Preparation of shrimp-based chitin blend with polyaniline for chromium (VI) removal from aqueous solution. Materials Today: Proceedings, 2022, 62, 6940-6944.	0.9	9
126	Synthesis, characterization and antibacterial activity of novel poly(silyl ether)s based on palm and soy oils. Polimeros, 2018, 28, 406-412.	0.2	8

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127	Magnetic graphene oxide nanocomposite functionalized with glucamine for the trace extraction of arsenic (III) from aqueous media. <i>International Journal of Environmental Science and Technology</i> , 2021, 18, 1109-1118.	1.8	8
128	Introduction to Conducting Polymers. <i>Engineering Materials</i> , 2021, , 1-18.	0.3	8
129	Antimicrobial properties of multifunctional polypyrrole-cobalt oxide-silver nanocomposite against pathogenic bacteria and parasite. <i>Applied Microbiology and Biotechnology</i> , 2021, 105, 3315-3325.	1.7	8
130	Prospects of conducting polymer as an adsorbent for used lubricant oil reclamation. <i>Materials Today: Proceedings</i> , 2022, 62, 7053-7056.	0.9	8
131	Characterization of nano based drilling fluid for shale swelling inhibition. <i>Petroleum Science and Technology</i> , 2022, 40, 2710-2736.	0.7	8
132	Heat Transfer and Pressure Drop Characteristics in Turbulent Flow Through a Tube. <i>Experimental Heat Transfer</i> , 2012, 25, 301-322.	2.3	7
133	A novel atmospheric freeze dryer using simultaneous application of subzero and hot air streams using a vortex chiller. <i>Drying Technology</i> , 2016, 34, 1406-1413.	1.7	7
134	Self-cleaning and weather resistance of nano-SnO ₂ /modified silicone oil coating for photovoltaic (PV) glass applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 12584-12596.	1.1	7
135	Enhancing the thermal properties of organic phase change material (palmitic acid) by doping MXene nanoflakes. <i>AIP Conference Proceedings</i> , 2020, , .	0.3	7
136	One-dimensional Sn(^{iv}) hydroxide nanofluid toward nonlinear optical switching. <i>Materials Horizons</i> , 2020, 7, 1150-1159.	6.4	7
137	Conducting polymers-based nanocomposites: Innovative materials for waste water treatment and energy storage. <i>Materials Today: Proceedings</i> , 2022, 62, 6950-6955.	0.9	7
138	Global solar energy use and social viability in Malaysia. , 2011, , .		6
139	Techno-economic evaluation of energy efficiency measures in high rise residential buildings in Malaysia. <i>Clean Technologies and Environmental Policy</i> , 2014, 16, 23-35.	2.1	6
140	Investigation of Environmental and Heat Transfer Analysis of Air Conditioner Using Hydrocarbon Mixture Compared to R-22. <i>Arabian Journal for Science and Engineering</i> , 2014, 39, 4141-4150.	1.1	6
141	Unsteady analysis of natural convection in a carbon nanotube-water filled cavity with an inclined heater. <i>Numerical Heat Transfer; Part A: Applications</i> , 2016, 69, 794-809.	1.2	6
142	New <i>N</i> -benzhydrylpiperazine/1,3,4-oxadiazoles conjugates inhibit the proliferation, migration, and induce apoptosis in HeLa cancer cells via oxidative stress-mediated mitochondrial pathway. <i>Journal of Cellular Biochemistry</i> , 2019, 120, 1651-1666.	1.2	6
143	Polyaniline-Conjugated Boron Nitride Nanoparticles Exhibiting Potent Effects against Pathogenic Brain-Eating Amoebae. <i>ACS Chemical Neuroscience</i> , 2021, 12, 3579-3587.	1.7	6
144	Investigation on thermophysical properties of metallic oxide nanoparticle dispersed in fatty acid. <i>Materials Today: Proceedings</i> , 2021, 47, 2864-2868.	0.9	6

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145	A Novel Vortex Tube-Assisted Atmospheric Freeze-Drying System: Effect of Osmotic Pretreatment on Biological Products. <i>Journal of Food Process Engineering</i> , 2017, 40, e12449.	1.5	5
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