

Syed Shahabuddin

List of Publications by Year in descending order

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192
papers

8,447
citations

71102

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197
times ranked

7598
citing authors

#	ARTICLE	IF	CITATIONS
1	Organic-inorganic composite nanocoatings with superhydrophobicity and thermal stability. <i>Pigment and Resin Technology</i> , 2024, 53, 10-16.	0.9	2
2	Nano additive enhanced salt hydrate phase change materials for thermal energy storage. <i>International Materials Reviews</i> , 2023, 68, 140-183.	19.3	29
3	Graphene nanoplatelets-cellulose nanocrystals in engine oil for automotive applications. <i>Green Materials</i> , 2023, 11, 87-95.	2.1	2
4	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.	3.6	25
5	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.	3.6	13
6	Determination of Vitamin D3 in the Fortified Sunflower Oil: Comparison of Two Developed Methods. <i>Food Analytical Methods</i> , 2022, 15, 330-337.	2.6	4
7	Concentrated Photovoltaic Thermal (CPVT) systems: Recent advancements in clean energy applications, thermal management and storage. <i>Journal of Energy Storage</i> , 2022, 45, 103369.	8.1	30
8	Effect of process parameters over carbon-based ZIF-62 nano-rooted membrane for environmental pollutants separation. <i>Chemosphere</i> , 2022, 291, 133006.	8.2	54
9	Techno-economic Analysis of Wind Turbines Powering Rural of Malaysia. <i>International Journal of Renewable Energy Development</i> , 2022, 11, 413-421.	2.4	1
10	Prospects of conducting polymer as an adsorbent for used lubricant oil reclamation. <i>Materials Today: Proceedings</i> , 2022, 62, 7053-7056.	1.8	8
11	Polypyrrole-conjugated zinc oxide nanoparticle as antiamebic drugs against <i>Acanthamoeba castellanii</i> . <i>Materials Today: Proceedings</i> , 2022, 62, 7077-7081.	1.8	5
12	Characterization of nano based drilling fluid for shale swelling inhibition. <i>Petroleum Science and Technology</i> , 2022, 40, 2710-2736.	1.5	8
13	Rheological and Thermal Conductivity Study of Two-Dimensional Molybdenum Disulfide-Based Ethylene Glycol Nanofluids for Heat Transfer Applications. <i>Nanomaterials</i> , 2022, 12, 1021.	4.1	5
14	Conducting polymers-based nanocomposites: Innovative materials for waste water treatment and energy storage. <i>Materials Today: Proceedings</i> , 2022, 62, 6950-6955.	1.8	7
15	Preparation of shrimp-based chitin blend with polyaniline for chromium (VI) removal from aqueous solution. <i>Materials Today: Proceedings</i> , 2022, 62, 6940-6944.	1.8	9
16	Polyaniline (PANI)-conjugated tungsten disulphide (WS ₂) nanoparticles as potential therapeutics against brain-eating amoebae. <i>Applied Microbiology and Biotechnology</i> , 2022, 106, 3279-3291.	3.6	2
17	Recent progresses and challenges in cooling techniques of concentrated photovoltaic thermal system: A review with special treatment on phase change materials (PCMs) based cooling. <i>Solar Energy Materials and Solar Cells</i> , 2022, 241, 111739.	6.2	27
18	Hydrogel-Based Adsorbent Material for the Effective Removal of Heavy Metals from Wastewater: A Comprehensive Review. <i>Gels</i> , 2022, 8, 263.	4.5	59

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19	Cooling performance analysis of nanofluid assisted novel photovoltaic thermoelectric air conditioner for energy efficient buildings. Applied Thermal Engineering, 2022, 213, 118691.	6.0	23
20	Development of Biocompatible Polyhydroxyalkanoate/Chitosan-Tungsten Disulphide Nanocomposite for Antibacterial and Biological Applications. Polymers, 2022, 14, 2224.	4.5	2
21	Synthesis and Characterization of 2D-WS ₂ Incorporated Polyaniline Nanocomposites as Photo Catalyst for Methylene Blue Degradation. Nanomaterials, 2022, 12, 2090.	4.1	10
22	An artificial neural network approach for the prediction of dynamic viscosity of MXene-palm oil nanofluid using experimental data. Journal of Thermal Analysis and Calorimetry, 2021, 144, 1175-1186.	3.6	41
23	An experimental study on characterization and properties of eco-friendly nanolubricant containing polyaniline (PANI) nanotubes blended in RBD palm olein oil. Journal of Thermal Analysis and Calorimetry, 2021, 145, 2967-2981.	3.6	16
24	Simultaneous removal of carcinogenic anionic and cationic dyes from environmental water using a new Zn-based metal-organic framework. Separation Science and Technology, 2021, 56, 330-343.	2.5	14
25	A comparative experimental study on the physical behavior of mono and hybrid RBD palm olein based nanofluids using CuO nanoparticles and PANI nanofibers. International Communications in Heat and Mass Transfer, 2021, 120, 105006.	5.6	20
26	Magnetic graphene oxide nanocomposite functionalized with glucamine for the trace extraction of arsenic (III) from aqueous media. International Journal of Environmental Science and Technology, 2021, 18, 1109-1118.	3.5	8
27	Effect of WS ₂ nano-sheets on the catalytic activity of polyaniline nano-rods based counter electrode for dye sensitized solar cell. Physica E: Low-Dimensional Systems and Nanostructures, 2021, 126, 114466.	2.7	13
28	Preparation, characterization and thermophysical properties investigation of A70/polyaniline nanocomposite phase change material for medium temperature solar applications. Energy and Built Environment, 2021, 2, 271-277.	5.9	21
29	Thermal conductivity, rheology and stability analysis of 2D tungsten disulphide-doped polyaniline-based nanofluids: An experimental investigation. International Journal of Energy Research, 2021, 45, 1550-1575.	4.5	3
30	ANN Modeling of Thermal Conductivity and Viscosity of MXene-Based Aqueous IoNanofluid. International Journal of Thermophysics, 2021, 42, 1.	2.1	16
31	Intrinsically Conducting Polymer Based Nanocomposite in Photocatalytic Study. Engineering Materials, 2021, , 19-51.	0.6	0
32	Perspectives of Conducting Polymers Towards Heat Transfer Applications. Engineering Materials, 2021, , 125-134.	0.6	0
33	Introduction to Conducting Polymers. Engineering Materials, 2021, , 1-18.	0.6	8
34	Thermal conductivity and rheological investigation of aqueous poly(ethylene) glycol/MXene as a novel heat transfer fluid. AIP Conference Proceedings, 2021, , .	0.4	11
35	Bio-plastic Polyhydroxyalkanoate (PHA): Applications in Modern Medicine. , 2021, , 231-257.		1
36	Energy performance investigation of nanofluid-based concentrated photovoltaic / thermal-thermoelectric generator hybrid system. International Journal of Energy Research, 2021, 45, 9039-9057.	4.5	29

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37	Application of artificial neural network to map the performance characteristics of boiler using different algorithms. International Journal of Green Energy, 2021, 18, 1091-1103.	3.8	9
38	Transient Behavior in Variable Geometry Industrial Gas Turbines: A Comprehensive Overview of Pertinent Modeling Techniques. Entropy, 2021, 23, 250.	2.2	11
39	Adsorption Studies of Volatile Organic Compound (Naphthalene) from Aqueous Effluents: Chemical Activation Process Using Weak Lewis Acid, Equilibrium Kinetics and Isotherm Modelling. International Journal of Molecular Sciences, 2021, 22, 2090.	4.1	5
40	Investigation on Thermal Properties of AL ₂ O ₃ Based Phase Change Material Composite for Solar Thermal System Application. IOP Conference Series: Materials Science and Engineering, 2021, 1127, 012010.	0.6	1
41	A Brief Review on Conducting Polymer Nanocomposite Based Epoxy Coatings for Marine Applications. IOP Conference Series: Materials Science and Engineering, 2021, 1127, 012013.	0.6	1
42	Back propagation modeling of shear stress and viscosity of aqueous Ionic-MXene nanofluids. Journal of Thermal Analysis and Calorimetry, 2021, 145, 2129-2149.	3.6	47
43	Influence of SDBS Surfactant on Stability, Thermal Conductivity and Viscosity of h-BN/EG Based Nanofluids. IOP Conference Series: Materials Science and Engineering, 2021, 1127, 012014.	0.6	1
44	The Waste Management of Polyethylene Terephthalate (PET) Plastic Waste: A Review. IOP Conference Series: Materials Science and Engineering, 2021, 1127, 012002.	0.6	14
45	Antimicrobial properties of multifunctional polypyrrole-cobalt oxide-silver nanocomposite against pathogenic bacteria and parasite. Applied Microbiology and Biotechnology, 2021, 105, 3315-3325.	3.6	8
46	Static and Dynamic Combined Effects on the Thermal Conductivity of Water Based Ironoxide Nanofluids: Experiments and Theories. Smart Science, 2021, 9, 133-146.	3.2	1
47	An efficient platform based on strontium titanate nanocubes interleaved polypyrrole nanohybrid as counter electrode for dye-sensitized solar cell. Journal of Alloys and Compounds, 2021, 860, 158228.	5.5	21
48	Fabrication of highly and poorly oxidized silver oxide/silver/tin(IV) oxide nanocomposites and their comparative anti-pathogenic properties towards hazardous food pathogens. Journal of Hazardous Materials, 2021, 408, 124896.	12.4	14
49	Performance analysis of Parabolic Trough Collector using TRNSYS [®] -A case study in Indian coastal region. Journal of Physics: Conference Series, 2021, 1921, 012063.	0.4	2
50	A Brief Review on Thermal Behaviour of PANI as Additive in Heat Transfer Fluid. Emerging Advances in Integrated Technology, 2021, 02, .	0.1	0
51	A comprehensive review of <sc>MXenes</sc> as catalyst supports for the oxygen reduction reaction in fuel cells. International Journal of Energy Research, 2021, 45, 15760-15782.	4.5	49
52	Secondary transmission of SARS-CoV-2 through wastewater: Concerns and tactics for treatment to effectively control the pandemic. Journal of Environmental Management, 2021, 290, 112668.	7.8	36
53	Synthesis and characterization of conducting Polyaniline@cobalt-Paraffin wax nanocomposite as nano-phase change material: Enhanced thermophysical properties. Renewable Energy, 2021, 173, 1057-1069.	8.9	57
54	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. Materials, 2021, 14, 4370.	2.9	17

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55	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.	6.2	35
56	Polyaniline-Conjugated Boron Nitride Nanoparticles Exhibiting Potent Effects against Pathogenic Brain-Eating Amoebae. <i>ACS Chemical Neuroscience</i> , 2021, 12, 3579-3587.	3.5	6
57	2-D Mxene flakes as potential replacement for both TCO and Pt layers for Dye-Sensitized Solar cell. <i>Ceramics International</i> , 2021, 47, 27942-27947.	4.8	28
58	Immense impact from small particles: Review on stability and thermophysical properties of nanofluids. <i>Sustainable Energy Technologies and Assessments</i> , 2021, 48, 101635.	2.7	12
59	Optimization of Thermophysical and Rheological Properties of Mxene Ionanofluids for Hybrid Solar Photovoltaic/Thermal Systems. <i>Nanomaterials</i> , 2021, 11, 320.	4.1	32
60	Investigation on thermophysical properties of metallic oxide nanoparticle dispersed in fatty acid. <i>Materials Today: Proceedings</i> , 2021, 47, 2864-2868.	1.8	6
61	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. <i>Environmental Progress and Sustainable Energy</i> , 2020, 39, 13306.	2.3	10
62	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.	3.9	46
63	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.	8.1	76
64	Optimization of waste quail eggshells as biocomposites for polyaniline in ammonia gas detection. <i>Polymer Engineering and Science</i> , 2020, 60, 3170-3182.	3.1	13
65	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.	4.1	74
66	Two-Dimensional Tungsten Disulfide-Based Ethylene Glycol Nanofluids: Stability, Thermal Conductivity, and Rheological Properties. <i>Nanomaterials</i> , 2020, 10, 1340.	4.1	13
67	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. <i>International Journal of Energy Research</i> , 2020, 44, 11487-11508.	4.5	28
68	Ultrasound-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.	5.0	24
69	Optical, stability and energy performance of water-based MXene nanofluids in hybrid PV/thermal solar systems. <i>Solar Energy</i> , 2020, 204, 32-47.	6.1	81
70	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.	6.1	95
71	Thermal Performance of Hybrid-Inspired Coolant for Radiator Application. <i>Nanomaterials</i> , 2020, 10, 1100.	4.1	19
72	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.	8.1	44

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73	Photocatalytic reduction of CO_2 to methanol over $\text{ZnFe}_2\text{O}_4/\text{TiO}_2$ (n) heterojunctions under visible light irradiation. <i>Journal of Chemical Technology and Biotechnology</i> , 2020, 95, 2208-2221.	3.2	31
74	Enhancing the thermal properties of organic phase change material (palmitic acid) by doping MXene nanoflakes. <i>AIP Conference Proceedings</i> , 2020, , .	0.4	7
75	Hybrid Nanocellulose-Copper (II) Oxide as Engine Oil Additives for Tribological Behavior Improvement. <i>Molecules</i> , 2020, 25, 2975.	3.8	10
76	Fatty acid/metal ion composite as thermal energy storage materials. <i>SN Applied Sciences</i> , 2020, 2, 1.	2.9	22
77	Influence of solvents on the enhancement of thermophysical properties and stability of multi-walled carbon nanotubes nanofluid. <i>Nanotechnology</i> , 2020, 31, 235402.	2.6	20
78	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.	3.6	35
79	One-dimensional $\text{Sn}(\text{IV})$ hydroxide nanofluid toward nonlinear optical switching. <i>Materials Horizons</i> , 2020, 7, 1150-1159.	12.2	7
80	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.	4.8	59
81	Thermal performance enhancement of a flat plate solar collector using hybrid nanofluid. <i>Solar Energy</i> , 2020, 204, 208-222.	6.1	117
82	A support vector regression model for the prediction of total polyaromatic hydrocarbons in soil: an artificial intelligent system for mapping environmental pollution. <i>Neural Computing and Applications</i> , 2020, 32, 14899-14908.	5.6	27
83	Green synthesis of silver nanoparticles from <i>Catharanthus roseus</i> dried bark extract deposited on graphene oxide for effective adsorption of methylene blue dye. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 103955.	6.7	55
84	Synthesis and characterization of green menthol-based low transition temperature mixture with tunable thermophysical properties as hydrophobic low viscosity solvent. <i>Journal of Molecular Liquids</i> , 2020, 308, 113015.	4.9	31
85	Optimization of Natural Colour Extraction from Dragon Fruit (<i>Hylocereus polyrhizus</i>) Peel. <i>Scientific Research Journal</i> , 2020, 17, 33.	0.4	4
86	Chemical and Physical Characterization of the Hackberry (<i>Celtis australis</i>) Seed Oil: Analysis of Tocopherols, Sterols, ECN and Fatty Acid Methyl Esters. <i>Journal of Oleo Science</i> , 2020, 69, 1359-1366.	1.4	1
87	Deposition of CZTS Thin Film by High Power Impulse Magnetron Sputtering. , 2020, , .		0
88	A reliable model to estimate the effective thermal conductivity of nanofluids. <i>Heat and Mass Transfer</i> , 2019, 55, 397-411.	2.1	20
89	Antibacterial Effects of Quinazolin-4(3H)-One Functionalized-Conjugated Silver Nanoparticles. <i>Antibiotics</i> , 2019, 8, 179.	3.7	12
90	Nanogenerators as a Sustainable Power Source: State of Art, Applications, and Challenges. <i>Nanomaterials</i> , 2019, 9, 773.	4.1	78

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91	Latest development in microalgae-biofuel production with nano-additives. <i>Biotechnology for Biofuels</i> , 2019, 12, 125.	6.2	147
92	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.	2.2	7
93	Acacia Holosericea: An Invasive Species for Bio-char, Bio-oil, and Biogas Production. <i>Bioengineering</i> , 2019, 6, 33.	3.5	57
94	Boron Nitride Doped Polyhydroxyalkanoate/Chitosan Nanocomposite for Antibacterial and Biological Applications. <i>Nanomaterials</i> , 2019, 9, 645.	4.1	40
95	Polyaniline-SrTiO ₃ nanocube based binary nanocomposite as highly stable electrode material for high performance supercapattery. <i>Ceramics International</i> , 2019, 45, 11428-11437.	4.8	48
96	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.	9.2	86
97	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.	7.3	41
98	Effects of Shape and Size of Cobalt Phosphate Nanoparticles against <i>Acanthamoeba castellanii</i> . <i>Pathogens</i> , 2019, 8, 260.	2.8	17
99	The influence of covalent and non-covalent functionalization of GNP based nanofluids on its thermophysical, rheological and suspension stability properties. <i>RSC Advances</i> , 2019, 9, 38576-38589.	3.6	29
100	New 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.	2.6	6
101	Pharmacokinetic evaluation, molecular docking and in vitro biological evaluation of 1, 3, 4-oxadiazole derivatives as potent antioxidants and STAT3 inhibitors. <i>Journal of Pharmaceutical Analysis</i> , 2019, 9, 133-141.	5.3	12
102	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.	3.7	14
103	Synthesis of a Novel Ladder Poly(azomethine-ester) Based on PET Waste Bottles. <i>International Polymer Processing</i> , 2019, 34, 296-306.	0.5	0
104	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.	2.1	15
105	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.	2.4	25
106	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. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2018, 23, 113-131.	4.9	26
107	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.	3.7	55
108	The Effects of Graphene on Microstructural and Thermal Properties of Calcium Chloride Hexahydrate PCM., 2018, , .		2

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109	Preparation of Fuel Pellets and Extraction of Natural Dyes from Falling Leaves to be used as Sensitizer in Dye Sensitized Solar Cell. , 2018, , .		1
110	The Metal Oxide Nanoparticles doped Polyaniline based Nanocomposite as Stable Electrode Material for Supercapacitors. , 2018, , .		4
111	Synthesis, characterization and antibacterial activity of novel poly(silyl ether)s based on palm and soy oils. Polimeros, 2018, 28, 406-412.	0.7	8
112	A review of methods for measuring the gas emission for combustion analysis in industrial sector. AIP Conference Proceedings, 2018, , .	0.4	4
113	A comprehensive review on counter electrodes for dye sensitized solar cells: A special focus on Pt-TCO free counter electrodes. Solar Energy, 2018, 174, 1097-1125.	6.1	116
114	Fabrication and Characterization of an Electrospun PHA/Graphene Silver Nanocomposite Scaffold for Antibacterial Applications. Materials, 2018, 11, 1673.	2.9	42
115	Conducting Polymers: New Arena in Dye-sensitized Solar Cells. , 2018, , .		0
116	Synthesis of 2D boron nitride doped polyaniline hybrid nanocomposites for photocatalytic degradation of carcinogenic dyes from aqueous solution. Arabian Journal of Chemistry, 2018, 11, 1000-1016.	4.9	82
117	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.	5.3	32
118	Chemical sintering of TiO ₂ based photoanode for efficient dye sensitized solar cells using Zn nanoparticles. Ceramics International, 2018, 44, 18444-18449.	4.8	28
119	Palm Fatty Acid Functionalized Fe ₃ O ₄ Nanoparticles as Highly Selective Oil Adsorption Material. Journal of Nanoscience and Nanotechnology, 2018, 18, 3248-3256.	0.9	12
120	Syntheses of Azomethine-Thiophene Monomers for Potential Application in Energy Storage Devices. , 2018, , .		0
121	Influence of concentration of polyaniline (PANI) as counter electrode in dye sensitized solar cell. , 2018, , .		0
122	A Novel Vortex Tube-Assisted Atmospheric Freeze-Drying System: Effect of Osmotic Pretreatment on Biological Products. Journal of Food Process Engineering, 2017, 40, e12449.	2.9	5
123	A review for phase change materials (PCMs) in solar absorption refrigeration systems. Renewable and Sustainable Energy Reviews, 2017, 76, 105-137.	16.4	157
124	A review on current status and challenges of inorganic phase change materials for thermal energy storage systems. Renewable and Sustainable Energy Reviews, 2017, 70, 1072-1089.	16.4	483
125	SrTiO ₃ Nanocube-Doped Polyaniline Nanocomposites with Enhanced Photocatalytic Degradation of Methylene Blue under Visible Light. Polymers, 2016, 8, 27.	4.5	148
126	Synthesis of Polyaniline-Coated Graphene Oxide@SrTiO ₃ Nanocube Nanocomposites for Enhanced Removal of Carcinogenic Dyes from Aqueous Solution. Polymers, 2016, 8, 305.	4.5	98

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127	Removal of endocrine disruptor di-(2-ethylhexyl)phthalate by modified polythiophene-coated magnetic nanoparticles: characterization, adsorption isotherm, kinetic study, thermodynamics. RSC Advances, 2016, 6, 44655-44667.	3.6	23
128	Synthesis and characterization of Co ₃ O ₄ nanocube-doped polyaniline nanocomposites with enhanced methyl orange adsorption from aqueous solution. RSC Advances, 2016, 6, 43388-43400.	3.6	119
129	Enhancing the efficiency of luminescent solar concentrators (LSCs). Applied Physics A: Materials Science and Processing, 2016, 122, 1.	2.3	22
130	Unsteady analysis of natural convection in a carbon nanotube-water filled cavity with an inclined heater. Numerical Heat Transfer; Part A: Applications, 2016, 69, 794-809.	2.1	6
131	Performance evaluation of a shell and tube heat exchanger operated with oxide based nanofluids. Heat and Mass Transfer, 2016, 52, 1425-1433.	2.1	18
132	Effects of the particle size and temperature on the efficiency of nanofluids using molecular dynamic simulation. Numerical Heat Transfer; Part A: Applications, 2016, 69, 996-1013.	2.1	19
133	Molecular dynamic simulation: Studying the effects of Brownian motion and induced micro-convection in nanofluids. Numerical Heat Transfer; Part A: Applications, 2016, 69, 643-658.	2.1	32
134	A novel atmospheric freeze dryer using simultaneous application of subzero and hot air streams using a vortex chiller. Drying Technology, 2016, 34, 1406-1413.	3.1	7
135	Economic feasibility analysis of a solar energy and solid oxide fuel cell-based cogeneration system in Malaysia. Clean Technologies and Environmental Policy, 2016, 18, 669-687.	4.1	17
136	Renewable energy choice: Cost and energy analysis of grid connected photovoltaic system in Malaysia. Environmental Progress and Sustainable Energy, 2015, 34, 866-880.	2.3	3
137	Synthesis of Well-Defined Three-Arm Star-Branched Polystyrene through Arm-First Coupling Approach by Atom Transfer Radical Polymerization. International Journal of Polymer Science, 2015, 2015, 1-7.	2.7	1
138	Evaluating the Optical Properties of TiO ₂ Nanofluid for a Direct Absorption Solar Collector. Numerical Heat Transfer; Part A: Applications, 2015, 67, 1010-1027.	2.1	60
139	Social acceptance of solar energy in Malaysia: users' perspective. Clean Technologies and Environmental Policy, 2015, 17, 1975-1986.	4.1	33
140	Effective ultrasonication process for better colloidal dispersion of nanofluid. Ultrasonics Sonochemistry, 2015, 26, 361-369.	8.2	110
141	Feasibility analysis of a hybrid off-grid wind-DG-battery energy system for the eco-tourism remote areas. Clean Technologies and Environmental Policy, 2015, 17, 2417-2430.	4.1	58
142	The Optimization of Solar Drying of Grain by Using a Genetic Algorithm. International Journal of Green Energy, 2015, 12, 1222-1231.	3.8	18
143	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.	2.1	31
144	Effect of Sine-Squared Thermal Boundary Condition on Augmentation of Heat Transfer in a Triangular Solar Collector Filled with Different Nanofluids. Numerical Heat Transfer, Part B: Fundamentals, 2015, 68, 53-74.	0.9	14

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145	Synthesis of chitosan grafted-polyaniline/Co ₃ O ₄ nanocube nanocomposites and their photocatalytic activity toward methylene blue dye degradation. RSC Advances, 2015, 5, 83857-83867.	3.6	161
146	Deoxygenation of graphene oxide using household baking soda as a reducing agent: a green approach. RSC Advances, 2015, 5, 70461-70472.	3.6	39
147	Energy performance of an evacuated tube solar collector using single walled carbon nanotubes nanofluids. Energy Conversion and Management, 2015, 105, 1377-1388.	9.2	188
148	Energy, economic, and environmental analysis of a flat-plate solar collector operated with SiO ₂ nanofluid. Clean Technologies and Environmental Policy, 2015, 17, 1457-1473.	4.1	100
149	Experimental and numerical investigation of heat transfer in CNT nanofluids. Journal of Experimental Nanoscience, 2015, 10, 545-563.	2.4	36
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