

Alimorad Rashidi

List of Publications by Year in descending order

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382
papers

14,274
citations

20759

60
h-index

37111

96
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389
all docs

389
docs citations

389
times ranked

13368
citing authors

#	ARTICLE	IF	CITATIONS
1	Exploring corrosion protection properties of solvent based epoxy-graphene oxide nanocomposite coatings on mild steel. <i>Corrosion Science</i> , 2017, 115, 78-92.	3.0	457
2	Numerical study of forced convective heat transfer of Nanofluids: Comparison of different approaches. <i>International Communications in Heat and Mass Transfer</i> , 2010, 37, 74-78.	2.9	317
3	A novel soluble nano-catalysts in dieselâ€“biodiesel fuel blends to improve diesel engines performance and reduce exhaust emissions. <i>Fuel</i> , 2015, 139, 374-382.	3.4	245
4	Performance evaluation and nanofluid using capability study of a solar parabolic trough collector. <i>Energy Conversion and Management</i> , 2015, 89, 368-375.	4.4	233
5	Investigating the effect of SiO ₂ -graphene oxide hybrid as inorganic nanofiller on corrosion protection properties of epoxy coatings. <i>Surface and Coatings Technology</i> , 2017, 311, 282-294.	2.2	217
6	Excellent corrosion protection performance of epoxy composite coatings filled with amino-silane functionalized graphene oxide. <i>Surface and Coatings Technology</i> , 2017, 317, 1-9.	2.2	214
7	Effect of CNT structures on thermal conductivity and stability of nanofluid. <i>International Journal of Heat and Mass Transfer</i> , 2012, 55, 1529-1535.	2.5	200
8	Distinctive roles of silane coupling agents on the corrosion inhibition performance of graphene oxide in epoxy coatings. <i>Progress in Organic Coatings</i> , 2017, 111, 47-56.	1.9	198
9	Synthesis of spherical silica/multiwall carbon nanotubes hybrid nanostructures and investigation of thermal conductivity of related nanofluids. <i>Thermochimica Acta</i> , 2012, 549, 87-94.	1.2	196
10	Evaluation of CO ₂ adsorption with eucalyptus wood based activated carbon modified by ammonia solution through heat treatment. <i>Chemical Engineering Journal</i> , 2014, 254, 503-513.	6.6	193
11	Preparation and thermal properties of oil-based nanofluid from multi-walled carbon nanotubes and engine oil as nano-lubricant. <i>International Communications in Heat and Mass Transfer</i> , 2013, 46, 142-147.	2.9	183
12	Convective heat transfer enhancement of graphene nanofluids in shell and tube heat exchanger. <i>Experimental Thermal and Fluid Science</i> , 2014, 53, 136-141.	1.5	179
13	Preparation and Mechanical Properties of Graphene Oxide: Cement Nanocomposites. <i>Scientific World Journal</i> , The, 2014, 2014, 1-10.	0.8	177
14	Experimental investigation of laminar convective heat transfer and pressure drop of water-based Al ₂ O ₃ nanofluids in fully developed flow regime. <i>Experimental Thermal and Fluid Science</i> , 2013, 44, 483-489.	1.5	176
15	Enhanced thermal conductivities of graphene oxide nanofluids. <i>International Communications in Heat and Mass Transfer</i> , 2014, 57, 128-131.	2.9	175
16	Fabrication and characterization of a polysulfone-graphene oxide nanocomposite membrane for arsenate rejection from water. <i>Journal of Environmental Health Science & Engineering</i> , 2015, 13, 61.	1.4	171
17	The effect of functionalisation method on the stability and the thermal conductivity of nanofluid hybrids of carbon nanotubes/gamma alumina. <i>Ceramics International</i> , 2013, 39, 3885-3891.	2.3	168
18	Effect of dispersion method on thermal conductivity and stability of nanofluid. <i>Experimental Thermal and Fluid Science</i> , 2011, 35, 717-723.	1.5	156

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19	The effects of temperature, volume fraction and vibration time on the thermo-physical properties of a carbon nanotube suspension (carbon nanofluid). <i>Nanotechnology</i> , 2008, 19, 315701.	1.3	155
20	Adsorptive removal of CO ₂ on highly microporous activated carbons prepared from <i>Eucalyptus camaldulensis</i> wood: Effect of chemical activation. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2014, 45, 579-588.	2.7	154
21	Synthesis and adsorption performance of a modified micro-mesoporous MIL-101(Cr) for VOCs removal at ambient conditions. <i>Chemical Engineering Journal</i> , 2018, 341, 164-174.	6.6	150
22	Adsorption of 2-nitrophenol by multi-wall carbon nanotubes from aqueous solutions. <i>Applied Surface Science</i> , 2010, 256, 4447-4455.	3.1	147
23	Polymer/Inorganic nanocomposite coatings with superior corrosion protection performance: A review. <i>Journal of Industrial and Engineering Chemistry</i> , 2020, 88, 29-57.	2.9	147
24	The effect of nanosilica on the physical properties of oil well cement. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2012, 538, 288-294.	2.6	137
25	Experimental study on the heat transfer enhancement of MWNT-water nanofluid in a shell and tube heat exchanger. <i>International Communications in Heat and Mass Transfer</i> , 2012, 39, 108-111.	2.9	128
26	Stability and activity improvement of horseradish peroxidase by covalent immobilization on functionalized reduced graphene oxide and biodegradation of high phenol concentration. <i>International Journal of Biological Macromolecules</i> , 2018, 106, 1314-1322.	3.6	127
27	Convection heat transfer of functionalized MWNT in aqueous fluids in laminar and turbulent flow at the entrance region. <i>International Communications in Heat and Mass Transfer</i> , 2010, 37, 717-723.	2.9	116
28	Experimental investigation of turbulent flow and convective heat transfer characteristics of alumina water nanofluids in fully developed flow regime. <i>International Communications in Heat and Mass Transfer</i> , 2012, 39, 1272-1278.	2.9	110
29	Nanostructured mixed transition metal oxides for high performance asymmetric supercapacitors: Facile synthetic strategy. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 12384-12395.	3.8	110
30	Progress toward a novel methane gas sensor based on SnO ₂ nanorods-nanoporous graphene hybrid. <i>Sensors and Actuators B: Chemical</i> , 2019, 281, 96-106.	4.0	107
31	Preparation of nanofluids from functionalized Graphene by new alkaline method and study on the thermal conductivity and stability. <i>International Communications in Heat and Mass Transfer</i> , 2013, 42, 89-94.	2.9	105
32	Effect of process conditions on product yield and composition of fast pyrolysis of <i>Eucalyptus grandis</i> in fluidized bed reactor. <i>Journal of Industrial and Engineering Chemistry</i> , 2014, 20, 2594-2602.	2.9	104
33	Effect of an emission-reducing soluble hybrid nanocatalyst in diesel/biodiesel blends on exergetic performance of a DI diesel engine. <i>Renewable Energy</i> , 2016, 93, 353-368.	4.3	99
34	Thermal, mechanical and acoustic damping properties of flexible open-cell polyurethane/multi-walled carbon nanotube foams: effect of surface functionality of nanotubes. <i>Polymer International</i> , 2011, 60, 475-482.	1.6	98
35	Ultradeep hydrodesulfurization of diesel fuels using highly efficient nanoalumina-supported catalysts: Impact of support, phosphorus, and/or boron on the structure and catalytic activity. <i>Journal of Catalysis</i> , 2013, 299, 321-335.	3.1	96
36	Preparation and evaluation of nanocrystalline cellulose aerogels from raw cotton and cotton stalk. <i>Industrial Crops and Products</i> , 2016, 93, 203-211.	2.5	93

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37	Preparation of nanofilter from carbon nanotubes for application in virus removal from water. Desalination, 2009, 238, 271-280.	4.0	89
38	Thermal and rheological properties of oil-based nanofluids from different carbon nanostructures. International Communications in Heat and Mass Transfer, 2013, 48, 178-182.	2.9	89
39	Carbonate and sandstone reservoirs wettability improvement without using surfactants for Chemical Enhanced Oil Recovery (C-EOR). Fuel, 2015, 153, 408-415.	3.4	86
40	The role of different parameters on the stability and thermal conductivity of carbon nanotube/water nanofluids. International Communications in Heat and Mass Transfer, 2010, 37, 319-323.	2.9	85
41	Investigating the rheological properties of nanofluids of water/hybrid nanostructure of spherical silica/MWCNT. Thermochimica Acta, 2014, 578, 53-58.	1.2	84
42	A novel bio-nano emulsion fuel based on biodegradable nanoparticles to improve diesel engines performance and reduce exhaust emissions. Renewable Energy, 2018, 125, 64-72.	4.3	82
43	A novel nanofluid based on sulfonated graphene for enhanced oil recovery. Journal of Molecular Liquids, 2018, 271, 795-806.	2.3	82
44	Experimental investigation of heat transfer enhancement of Fe ₂ O ₃ -CNT/water magnetic nanofluids under laminar, transient and turbulent flow inside a horizontal shell and tube heat exchanger. Experimental Thermal and Fluid Science, 2016, 72, 182-189.	1.5	81
45	Single-wall carbon nanotubes synthesized using organic additives to Co-Mo catalysts supported on nanoporous MgO. Nanotechnology, 2007, 18, 315605.	1.3	80
46	Synthesize and characterization of graphene nanosheets with high surface area and nano-porous structure. Applied Surface Science, 2013, 276, 672-681.	3.1	79
47	The effect of nanoparticles on the heat transfer properties of drilling fluids. Journal of Petroleum Science and Engineering, 2016, 146, 183-190.	2.1	78
48	Corrosion protection properties of novel epoxy nanocomposite coatings containing silane functionalized graphene quantum dots. Journal of Alloys and Compounds, 2018, 731, 1112-1118.	2.8	77
49	Effects of surface modification on the dispersion and thermal conductivity of CNT/water nanofluids. International Communications in Heat and Mass Transfer, 2014, 54, 1-7.	2.9	76
50	Modification of single wall carbon nanotubes (SWNT) for hydrogen storage. International Journal of Hydrogen Energy, 2010, 35, 9489-9495.	3.8	75
51	A novel approach for energy and water conservation in wet cooling towers by using MWNTs and nanoporous graphene nanofluids. Energy Conversion and Management, 2016, 109, 10-18.	4.4	75
52	Simultaneous absorption of carbon dioxide (CO ₂) and hydrogen sulfide (H ₂ S) from CO ₂ -H ₂ S-CH ₄ gas mixture using amine-based nanofluids in a wetted wall column. Journal of Natural Gas Science and Engineering, 2016, 28, 410-417.	2.1	72
53	Preparation of highly active manganese oxides supported on functionalized MWNTs for low temperature NO _x reduction with NH ₃ . Applied Surface Science, 2013, 279, 250-259.	3.1	71
54	Investigation of Fe ₃ O ₄ /Graphene nanohybrid heat transfer properties: Experimental approach. International Communications in Heat and Mass Transfer, 2017, 87, 30-39.	2.9	71

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55	The effect of functionalized group concentration on the stability and thermal conductivity of carbon nanotube fluid as heat transfer media. <i>International Communications in Heat and Mass Transfer</i> , 2011, 38, 513-517.	2.9	69
56	Facile and economical preparation method of nanoporous graphene/silica nanohybrid and evaluation of its Pickering emulsion properties for Chemical Enhanced oil Recovery (C-EOR). <i>Fuel</i> , 2017, 206, 453-466.	3.4	67
57	Facile and high-yield synthesis of improved MIL-101(Cr) metal-organic framework with exceptional CO ₂ and H ₂ S uptake; the impact of excess ligand-cluster. <i>Microporous and Mesoporous Materials</i> , 2019, 279, 153-164.	2.2	67
58	Selective hydrogen sulfide (H ₂ S) sensors based on molybdenum trioxide (MoO ₃) nanoparticle decorated reduced graphene oxide. <i>Materials Science in Semiconductor Processing</i> , 2015, 38, 93-100.	1.9	66
59	Adsorption of cadmium using modified zeolite-supported nanoscale zero-valent iron composites as a reactive material for PRBs. <i>Science of the Total Environment</i> , 2020, 736, 139570.	3.9	65
60	Experimental evaluation of engine oil properties containing copper oxide nanoparticles as a nanoadditive. <i>International Journal of Industrial Chemistry</i> , 2013, 4, 1.	3.1	64
61	N-doped reduced graphene oxide aerogel for the selective adsorption of oil pollutants from water: Isotherm and kinetic study. <i>Journal of Industrial and Engineering Chemistry</i> , 2018, 61, 416-426.	2.9	64
62	Novel asphaltene-derived nanoporous carbon with N-S-rich micro-mesoporous structure for superior gas adsorption: Experimental and DFT study. <i>Chemical Engineering Journal</i> , 2019, 358, 1126-1138.	6.6	64
63	Synthesis of N-doped nanoporous carbon from walnut shell for enhancing CO ₂ adsorption capacity and separation. <i>Journal of Environmental Chemical Engineering</i> , 2018, 6, 6653-6663.	3.3	62
64	Efficient and facile one pot carboxylation of multiwalled carbon nanotubes by using oxidation with ozone under mild conditions. <i>Applied Surface Science</i> , 2009, 256, 631-635.	3.1	61
65	Synthesis and characterization of MoO ₃ nanostructures by solution combustion method employing morphology and size control. <i>Journal of Nanoparticle Research</i> , 2010, 12, 1509-1521.	0.8	60
66	Fabrication of nanoporous graphene by chemical vapor deposition (CVD) and its application in oil spill removal as a recyclable nanosorbent. <i>Journal of Industrial and Engineering Chemistry</i> , 2015, 22, 8-18.	2.9	59
67	Populus wood biomass-derived graphene for high CO ₂ capture at atmospheric pressure and estimated cost of production. <i>Chemical Engineering Research and Design</i> , 2018, 113, 97-108.	2.7	59
68	Kinetics of methane decomposition to CO _x -free hydrogen and carbon nanofiber over Ni-Cu/MgO catalyst. <i>International Journal of Hydrogen Energy</i> , 2010, 35, 9479-9488.	3.8	56
69	Morphological investigations of nanostructured V ₂ O ₅ over graphene used for the ODHP reaction: from synthesis to physiochemical evaluations. <i>Catalysis Science and Technology</i> , 2015, 5, 910-924.	2.1	54
70	Rheological and thermophysical properties of ultra-stable kerosene-based Fe ₃ O ₄ /Graphene nanofluids for energy conservation. <i>Energy Conversion and Management</i> , 2016, 128, 134-144.	4.4	52
71	Preparation and investigation of the heat transfer properties of a novel nanofluid based on graphene quantum dots. <i>Energy Conversion and Management</i> , 2017, 153, 215-223.	4.4	52
72	Cooling performance of a nanofluid flow in a heat sink microchannel with axial conduction effect. <i>Applied Physics A: Materials Science and Processing</i> , 2014, 117, 1821-1833.	1.1	51

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73	An investigation of the oxidative dehydrogenation of propane kinetics over a vanadium-graphene catalyst aiming at minimizing of the CO _x species. <i>Chemical Engineering Journal</i> , 2014, 250, 14-24.	6.6	50
74	Kinetic modeling of oxidative dehydrogenation of propane (ODHP) over a vanadium-graphene catalyst: Application of the DOE and ANN methodologies. <i>Journal of Industrial and Engineering Chemistry</i> , 2014, 20, 2236-2247.	2.9	50
75	Single-step scalable synthesis of three-dimensional highly porous graphene with favorable methane adsorption. <i>Chemical Engineering Journal</i> , 2016, 304, 784-792.	6.6	50
76	Highly efficient SO ₃ Ag-functionalized MIL-101(Cr) for adsorptive desulfurization of the gas stream: Experimental and DFT study. <i>Chemical Engineering Journal</i> , 2019, 363, 73-83.	6.6	50
77	Effect of nano-particles on the performance and emission of a diesel engine using biodiesel-diesel blend. <i>International Journal of Automotive and Mechanical Engineering</i> , 2015, 12, 3097-3108.	0.5	50
78	Functional group effect on carbon nanotube (CNT)-supported cobalt catalysts in Fischer-Tropsch synthesis activity, selectivity and stability. <i>Fuel</i> , 2014, 117, 1045-1051.	3.4	49
79	Application of functionalized silica-graphene nanohybrid for the enhanced oil recovery performance. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018, 556, 253-265.	2.3	48
80	Antifouling nanocomposite polymer coatings for marine applications: A review on experiments, mechanisms, and theoretical studies. <i>Journal of Materials Science and Technology</i> , 2022, 118, 73-113.	5.6	48
81	Ultrasound-assisted dispersive solid phase extraction of cadmium(II) and lead(II) using a hybrid nanoadsorbent composed of graphene and the zeolite clinoptilolite. <i>Mikrochimica Acta</i> , 2015, 182, 1263-1272.	2.5	47
82	Newly Prepared Nano Gamma Alumina and Its Application in Enhanced Oil Recovery: An Approach to Low-Salinity Waterflooding. <i>Energy & Fuels</i> , 2016, 30, 3791-3797.	2.5	47
83	Conduction heat transfer characteristics and dispersion behaviour of carbon nanofluids as a function of different parameters. <i>Journal of Experimental Nanoscience</i> , 2009, 4, 347-363.	1.3	46
84	Ultrasound assisted-dispersive-ionic liquid-micro-solid phase extraction based on carboxyl-functionalized nanoporous graphene for speciation and determination of trace inorganic and organic mercury species in water and caprine blood samples. <i>Microchemical Journal</i> , 2017, 130, 245-254.	2.3	46
85	Physical and mechanical properties of graphene oxide/polyethersulfone nanocomposites. <i>Polymers for Advanced Technologies</i> , 2014, 25, 322-328.	1.6	44
86	A novel highly sensitive and selective H ₂ S gas sensor at low temperatures based on SnO ₂ quantum dots-C ₆₀ nanohybrid: Experimental and theory study. <i>Talanta</i> , 2018, 188, 531-539.	2.9	44
87	A review on application of carbon nanostructures as nanofiller in corrosion-resistant organic coatings. <i>Journal of Coatings Technology Research</i> , 2020, 17, 19-55.	1.2	44
88	Preparation of amine functionalized UiO-66, mixing with aqueous N -Methyldiethanolamine and application on CO ₂ solubility. <i>Journal of Natural Gas Science and Engineering</i> , 2016, 28, 651-659.	2.1	43
89	Innovative separation and preconcentration technique of coagulating homogenous dispersive micro solid phase extraction exploiting graphene oxide nanosheets. <i>Analytica Chimica Acta</i> , 2016, 902, 33-42.	2.6	43
90	Vanadium Pentoxide Catalyst over Carbon-Based Nanomaterials for the Oxidative Dehydrogenation of Propane. <i>Industrial & Engineering Chemistry Research</i> , 2013, 52, 16128-16141.	1.8	42

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91	Enhanced methanol electro-oxidation activity of Pt/MWCNTs electro-catalyst using manganese oxide deposited on MWCNTs. <i>Electrochimica Acta</i> , 2014, 147, 192-200.	2.6	42
92	Synthesis of a modified HF-free MIL-101(Cr) nanoadsorbent with enhanced H ₂ S/CH ₄ , CO ₂ /CH ₄ , and CO ₂ /N ₂ selectivity. <i>Journal of Environmental Chemical Engineering</i> , 2019, 7, 102946.	3.3	42
93	Study of the Rod-Like and spherical nano-ZnO morphology on H ₂ S removal from natural gas. <i>Applied Surface Science</i> , 2010, 257, 434-439.	3.1	41
94	Nanoporous graphene and graphene oxide-coated polyurethane sponge as a highly efficient, superhydrophobic, and reusable oil spill absorbent. <i>Journal of Environmental Chemical Engineering</i> , 2017, 5, 5025-5032.	3.3	41
95	Thermophysical properties of water ethylene glycol (WEG) mixture-based Fe ₃ O ₄ nanofluids at low concentration and temperature. <i>Journal of Molecular Liquids</i> , 2020, 302, 112606.	2.3	41
96	A novel selective H ₂ S sensor using dodecylamine and ethylenediamine functionalized graphene oxide. <i>Journal of Industrial and Engineering Chemistry</i> , 2015, 29, 97-103.	2.9	40
97	Removal of 4-chlorophenol from water using different carbon nanostructures: A comparison study. <i>Journal of Molecular Liquids</i> , 2018, 249, 877-885.	2.3	40
98	Lignocellulose-based adsorbents: A spotlight review of the effective parameters on carbon dioxide capture process. <i>Chemosphere</i> , 2020, 246, 125756.	4.2	40
99	Ultrasound assisted-dispersive-micro-solid phase extraction based on bulky amino bimodal mesoporous silica nanoparticles for speciation of trace manganese (II)/(VII) ions in water samples. <i>Microchemical Journal</i> , 2016, 124, 637-645.	2.3	39
100	On the application of NiO nanoparticles to mitigate in situ asphaltene deposition in carbonate porous matrix. <i>Applied Nanoscience (Switzerland)</i> , 2016, 6, 71-81.	1.6	39
101	Potential of Acid-Activated Bentonite and SO ₃ H-Functionalized MWCNTs for Biodiesel Production From Residual Olive Oil Under Biorefinery Scheme. <i>Frontiers in Energy Research</i> , 2018, 6, .	1.2	39
102	Nanorod carbon nitride as a carbo catalyst for selective oxidation of hydrogen sulfide to sulfur. <i>Journal of Hazardous Materials</i> , 2019, 364, 218-226.	6.5	39
103	Rheological and Mechanical Characterization of Multi-Walled Carbon Nanotubes/Polypropylene Nanocomposites. <i>Journal of Macromolecular Science - Physics</i> , 2008, 47, 1176-1187.	0.4	38
104	Adsorption of reactive blue 29 dye from aqueous solution by multiwall carbon nanotubes. <i>Desalination and Water Treatment</i> , 2013, 51, 7655-7662.	1.0	38
105	Ultrafiltration of natural organic matter from water by vertically aligned carbon nanotube membrane. <i>Journal of Environmental Health Science & Engineering</i> , 2015, 13, 51.	1.4	38
106	Preconcentration and separation of ultra-trace amounts of lead using ultrasound-assisted cloud point-micro solid phase extraction based on amine functionalized silica aerogel nanoadsorbent. <i>Microchemical Journal</i> , 2016, 125, 236-241.	2.3	38
107	Graphene-silica hybrid in efficient preconcentration of heavy metal ions via novel single-step method of moderate centrifugation-assisted dispersive micro solid phase extraction. <i>Talanta</i> , 2016, 150, 476-484.	2.9	38
108	A high performance multi-walled carbon nanotube-supported palladium catalyst in selective hydrogenation of acetylene-ethylene mixtures. <i>Applied Catalysis A: General</i> , 2011, 399, 184-190.	2.2	37

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109	Experimental research on heat transfer of water in tubes with conical ring inserts in transient regime. <i>International Communications in Heat and Mass Transfer</i> , 2011, 38, 668-671.	2.9	37
110	Graphene based catalysts for deep hydrodesulfurization of naphtha and diesel fuels: A physiochemical study. <i>Fuel</i> , 2016, 165, 468-476.	3.4	37
111	Preference of multi-walled carbon nanotube (MWCNT) to single-walled carbon nanotube (SWCNT) and activated carbon for preparing silica nanohybrid pickering emulsion for chemical enhanced oil recovery (C-EOR). <i>Journal of Solid State Chemistry</i> , 2017, 245, 164-173.	1.4	37
112	Fixed-Bed Multi-Tubular Reactors for Oxidative Dehydrogenation in Ethylene Process. <i>Chemical Engineering and Technology</i> , 2013, 36, 1691-1700.	0.9	35
113	Preparation and microstructural properties study on cement composites reinforced with multi-walled carbon nanotubes. <i>Journal of Composite Materials</i> , 2015, 49, 85-98.	1.2	35
114	Synthesis, processing, characterization, and applications of red mud/carbon nanotube composites. <i>Ceramics International</i> , 2016, 42, 16738-16743.	2.3	35
115	N-doped CNT nanocatalyst prepared from camphor and urea for gas phase desulfurization: Experimental and DFT study. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2018, 85, 121-131.	2.7	35
116	Effective mesoporous silica-ZIF-8 nano-adsorbents for adsorptive desulfurization of gas stream. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2018, 82, 10-22.	2.7	35
117	Preparation and characterization of a new waste-derived mesoporous carbon structure for ultrahigh adsorption of benzene and toluene at ambient conditions. <i>Journal of Hazardous Materials</i> , 2020, 384, 121317.	6.5	35
118	Effective adsorption of hydrogen sulfide by intercalation of TiO ₂ and N-doped TiO ₂ in graphene oxide. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 103836.	3.3	35
119	Increasing the octane number of gasoline using functionalized carbon nanotubes. <i>Applied Surface Science</i> , 2010, 256, 3472-3477.	3.1	34
120	Graphene oxide nanosheets promoted regioselective and green synthesis of new dicoumarols. <i>RSC Advances</i> , 2014, 4, 17891-17895.	1.7	34
121	Synthesis of Reduced Graphene Oxide-Carbon Nanotubes (rGO-CNT) Composite and Its Use As a Novel Catalyst Support for Hydro-Purification of Crude Terephthalic Acid. <i>Industrial & Engineering Chemistry Research</i> , 2015, 54, 7591-7603.	1.8	34
122	A Green Synthesis of Substituted Coumarins Using Nano Graphene Oxide as Recyclable Catalyst. <i>Journal of the Chinese Chemical Society</i> , 2015, 62, 389-392.	0.8	34
123	Experimental assessment of convective heat transfer coefficient enhancement of nanofluids prepared from high surface area nanoporous graphene. <i>International Communications in Heat and Mass Transfer</i> , 2016, 78, 127-134.	2.9	34
124	Porous nitrogen-doped graphene prepared through pyrolysis of ammonium acetate as an efficient ORR nanocatalyst. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 15941-15951.	3.8	34
125	Adsorption mechanism of a cationic dye on a biomass-derived micro- and mesoporous carbon: structural, kinetic, and equilibrium insight. <i>Biomass Conversion and Biorefinery</i> , 2021, 11, 943-954.	2.9	34
126	Heat transfer properties of metal, metal oxides, and carbon water-based nanofluids in the ethanol condensation process. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 622, 126720.	2.3	34

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127	Ethylbenzene Removal by Carbon Nanotubes from Aqueous Solution. <i>Journal of Environmental and Public Health</i> , 2012, 2012, 1-8.	0.4	33
128	The first catalytic application of oxidized carbon nanotubes in a four-component synthesis of fused heterocycles. <i>Monatshefte für Chemie</i> , 2016, 147, 791-795.	0.9	33
129	Adsorption kinetics and thermodynamics of hydrophobic natural organic matter (NOM) removal from aqueous solution by multi-wall carbon nanotubes. <i>Water Science and Technology: Water Supply</i> , 2013, 13, 273-285.	1.0	32
130	Vanadium oxide decorated carbon nanotubes as a promising support of Pt nanoparticles for methanol electro-oxidation reaction. <i>Journal of Colloid and Interface Science</i> , 2013, 393, 291-299.	5.0	31
131	Effects of surfactants, solvents and time on the morphology of MgO nanoparticles prepared by the wet chemical method. <i>Materials Letters</i> , 2013, 109, 269-274.	1.3	31
132	Oil-in-water Pickering emulsions stabilized with functionalized multi-walled carbon nanotube/silica nanohybrids in the presence of high concentrations of cations in water. <i>Journal of Industrial and Engineering Chemistry</i> , 2014, 20, 1720-1726.	2.9	31
133	Anthracite coal-derived activated carbon as an effectiveness adsorbent for superior gas adsorption and CO ₂ / N ₂ and CO ₂ / CH ₄ selectivity: Experimental and DFT study. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 107007.	3.3	31
134	Support effects on the chemical property and catalytic activity of Co-Mo HDS catalyst in sulfur recovery. <i>Journal of Natural Gas Chemistry</i> , 2010, 19, 91-95.	1.8	30
135	Effect of asphaltene on the emulsions stabilized by graphene oxide: A potential application of graphene oxide in enhanced oil recovery. <i>Journal of Petroleum Science and Engineering</i> , 2019, 175, 868-880.	2.1	30
136	Molecular insight into the smart functionalized TMC-Fullerene nanocarrier in the pH-responsive adsorption and release of anti-cancer drugs. <i>Journal of Molecular Graphics and Modelling</i> , 2020, 100, 107660.	1.3	30
137	Preparation of fiber-like nanoporous carbon from jute thread waste for superior CO ₂ and H ₂ S removal from natural gas: Experimental and DFT study. <i>Chemical Engineering Journal</i> , 2021, 415, 129076.	6.6	30
138	Oxidation of H ₂ S to Elemental Sulfur over Alumina Based Nanocatalysts: Synthesis and Physicochemical Evaluations. <i>Scientia Iranica</i> , 2016, 23, 1160-1174.	0.3	30
139	Fractal Geometry Approach to Describe Mesostructured Boehmite and Gamma- γ Alumina Nanorods. <i>European Journal of Inorganic Chemistry</i> , 2010, 2010, 1544-1551.	1.0	29
140	Mercaptan removal from natural gas using carbon nanotube supported cobalt phthalocyanine nanocatalyst. <i>Journal of Natural Gas Science and Engineering</i> , 2014, 18, 439-445.	2.1	29
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