

Alimorad Rashidi

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

364
papers

10,455
citations

53
h-index

84
g-index

389
ext. papers

12,266
ext. citations

4.9
avg, IF

6.98
L-index

#	Paper	IF	Citations
364	Exploring corrosion protection properties of solvent based epoxy-graphene oxide nanocomposite coatings on mild steel. <i>Corrosion Science</i> , 2017 , 115, 78-92	6.8	319
363	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	5.8	259
362	A novel soluble nano-catalysts in dieselBiodiesel fuel blends to improve diesel engines performance and reduce exhaust emissions. <i>Fuel</i> , 2015 , 139, 374-382	7.1	198
361	Performance evaluation and nanofluid using capability study of a solar parabolic trough collector. <i>Energy Conversion and Management</i> , 2015 , 89, 368-375	10.6	190
360	Effect of CNT structures on thermal conductivity and stability of nanofluid. <i>International Journal of Heat and Mass Transfer</i> , 2012 , 55, 1529-1535	4.9	164
359	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	4.4	162
358	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	4.4	157
357	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	2.9	155
356	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	14.7	152
355	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	3.8	146
354	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	5.8	146
353	Convective heat transfer enhancement of graphene nanofluids in shell and tube heat exchanger. <i>Experimental Thermal and Fluid Science</i> , 2014 , 53, 136-141	3	143
352	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	3.4	138
351	Adsorption of 2-nitrophenol by multi-wall carbon nanotubes from aqueous solutions. <i>Applied Surface Science</i> , 2010 , 256, 4447-4455	6.7	132
350	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	4.8	131
349	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	2.9	130
348	Enhanced thermal conductivities of graphene oxide nanofluids. <i>International Communications in Heat and Mass Transfer</i> , 2014 , 57, 128-131	5.8	128

347	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	5.1	127
346	Preparation and mechanical properties of graphene oxide: cement nanocomposites. <i>Scientific World Journal, The</i> , 2014 , 2014, 276323	2.2	127
345	Effect of dispersion method on thermal conductivity and stability of nanofluid. <i>Experimental Thermal and Fluid Science</i> , 2011 , 35, 717-723	3	127
344	Adsorptive removal of CO ₂ on highly microporous activated carbons prepared from Eucalyptus camaldulensis wood: Effect of chemical activation. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2014 , 45, 579-588	5.3	116
343	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	5.3	100
342	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	5.8	100
341	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	5.8	98
340	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	14.7	90
339	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	7.9	88
338	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	7.3	86
337	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	5.8	86
336	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	3.3	83
335	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	5.8	82
334	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	8.1	81
333	Effect of process conditions on product yield and composition of fast pyrolysis of Eucalyptus grandis in fluidized bed reactor. <i>Journal of Industrial and Engineering Chemistry</i> , 2014 , 20, 2594-2602	6.3	80
332	Preparation of nanofilter from carbon nanotubes for application in virus removal from water. <i>Desalination</i> , 2009 , 238, 271-280	10.3	78
331	Nanostructured mixed transition metal oxides for high performance asymmetric supercapacitors: Facile synthetic strategy. <i>International Journal of Hydrogen Energy</i> , 2017 , 42, 12384-12395	6.7	77
330	The role of different parameters on the stability and thermal conductivity of carbon nanotube/water nanofluids. <i>International Communications in Heat and Mass Transfer</i> , 2010 , 37, 319-323	5.8	76

329	Preparation and evaluation of nanocrystalline cellulose aerogels from raw cotton and cotton stalk. <i>Industrial Crops and Products</i> , 2016 , 93, 203-211	5.9	74
328	Thermal and rheological properties of oil-based nanofluids from different carbon nanostructures. <i>International Communications in Heat and Mass Transfer</i> , 2013 , 48, 178-182	5.8	74
327	Investigating the rheological properties of nanofluids of water/hybrid nanostructure of spherical silica/MWCNT. <i>Thermochimica Acta</i> , 2014 , 578, 53-58	2.9	70
326	Single-wall carbon nanotubes synthesized using organic additives to CoMo catalysts supported on nanoporous MgO. <i>Nanotechnology</i> , 2007 , 18, 315605	3.4	70
325	Synthesize and characterization of graphene nanosheets with high surface area and nano-porous structure. <i>Applied Surface Science</i> , 2013 , 276, 672-681	6.7	69
324	Carbonate and sandstone reservoirs wettability improvement without using surfactants for Chemical Enhanced Oil Recovery (C-EOR). <i>Fuel</i> , 2015 , 153, 408-415	7.1	68
323	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	8.5	68
322	A novel approach for energy and water conservation in wet cooling towers by using MWNTs and nanoporous graphene nanofluids. <i>Energy Conversion and Management</i> , 2016 , 109, 10-18	10.6	64
321	Modification of single wall carbon nanotubes (SWNT) for hydrogen storage. <i>International Journal of Hydrogen Energy</i> , 2010 , 35, 9489-9495	6.7	63
320	A novel bio-nano emulsion fuel based on biodegradable nanoparticles to improve diesel engines performance and reduce exhaust emissions. <i>Renewable Energy</i> , 2018 , 125, 64-72	8.1	62
319	Effects of surface modification on the dispersion and thermal conductivity of CNT/water nanofluids. <i>International Communications in Heat and Mass Transfer</i> , 2014 , 54, 1-7	5.8	62
318	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	5.8	62
317	Polymer/Inorganic nanocomposite coatings with superior corrosion protection performance: A review. <i>Journal of Industrial and Engineering Chemistry</i> , 2020 , 88, 29-57	6.3	60
316	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. <i>Experimental Thermal and Fluid Science</i> , 2016 , 72, 182-189	3	60
315	Preparation of highly active manganese oxides supported on functionalized MWNTs for low temperature NO _x reduction with NH ₃ . <i>Applied Surface Science</i> , 2013 , 279, 250-259	6.7	60
314	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	4.3	59
313	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	2.3	56
312	The effect of nanoparticles on the heat transfer properties of drilling fluids. <i>Journal of Petroleum Science and Engineering</i> , 2016 , 146, 183-190	4.4	56

311	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. <i>Journal of Natural Gas Science and Engineering</i> , 2016 , 28, 410-417	4.6	53
310	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	6.7	52
309	Corrosion protection properties of novel epoxy nanocomposite coatings containing silane functionalized graphene quantum dots. <i>Journal of Alloys and Compounds</i> , 2018 , 731, 1112-1118	5.7	51
308	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	6.3	50
307	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	5.5	49
306	A novel nanofluid based on sulfonated graphene for enhanced oil recovery. <i>Journal of Molecular Liquids</i> , 2018 , 271, 795-806	6	48
305	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	14.7	47
304	Investigation of Fe ₃ O ₄ /Graphene nanohybrid heat transfer properties: Experimental approach. <i>International Communications in Heat and Mass Transfer</i> , 2017 , 87, 30-39	5.8	47
303	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	6.7	46
302	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	7.1	45
301	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	6.3	44
300	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	7.1	43
299	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	4.8	43
298	Experimental evaluation of engine oil properties containing copper oxide nanoparticles as a nanoadditive. <i>International Journal of Industrial Chemistry</i> , 2013 , 4, 28	3.1	42
297	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	10.6	42
296	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	6.3	41
295	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	1.9	41
294	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	5.3	41

293	Single-step scalable synthesis of three-dimensional highly porous graphene with favorable methane adsorption. <i>Chemical Engineering Journal</i> , 2016 , 304, 784-792	14.7	40
292	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	5.8	39
291	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	6.7	38
290	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	10.6	37
289	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	5.5	37
288	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	6.6	37
287	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	2.6	37
286	Vanadium Pentoxide Catalyst over Carbon-Based Nanomaterials for the Oxidative Dehydrogenation of Propane. <i>Industrial & Engineering Chemistry Research</i> , 2013 , 52, 16128-16141	3.9	37
285	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	4.1	36
284	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	14.7	34
283	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	6.3	34
282	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, 476-84	6.2	34
281	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	4.8	34
280	Graphene oxide nanosheets promoted regioselective and green synthesis of new dicoumarols. <i>RSC Advances</i> , 2014 , 4, 17891-17895	3.7	34
279	Enhanced methanol electro-oxidation activity of Pt/MWCNTs electro-catalyst using manganese oxide deposited on MWCNTs. <i>Electrochimica Acta</i> , 2014 , 147, 192-200	6.7	34
278	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	14.7	34
277	Physical and mechanical properties of graphene oxide/polyethersulfone nanocomposites. <i>Polymers for Advanced Technologies</i> , 2014 , 25, 322-328	3.2	33
276	Ultrafiltration of natural organic matter from water by vertically aligned carbon nanotube membrane. <i>Journal of Environmental Health Science & Engineering</i> , 2015 , 13, 51	2.9	32

275	Removal of 4-chlorophenol from water using different carbon nanostructures: A comparison study. <i>Journal of Molecular Liquids</i> , 2018 , 249, 877-885	6	32
274	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	6.8	32
273	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	4.8	31
272	Adsorption of reactive blue 29 dye from aqueous solution by multiwall carbon nanotubes. <i>Desalination and Water Treatment</i> , 2013 , 51, 7655-7662		31
271	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	5.1	31
270	Increasing the octane number of gasoline using functionalized carbon nanotubes. <i>Applied Surface Science</i> , 2010 , 256, 3472-3477	6.7	31
269	Rheological and Mechanical Characterization of Multi-Walled Carbon Nanotubes/Polypropylene Nanocomposites. <i>Journal of Macromolecular Science - Physics</i> , 2008 , 47, 1176-1187	1.4	31
268	Graphene based catalysts for deep hydrodesulfurization of naphtha and diesel fuels: A physiochemical study. <i>Fuel</i> , 2016 , 165, 468-476	7.1	30
267	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	3.3	30
266	Fixed-Bed Multi-Tubular Reactors for Oxidative Dehydrogenation in Ethylene Process. <i>Chemical Engineering and Technology</i> , 2013 , 36, 1691-1700	2	30
265	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	3.3	29
264	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	4.6	29
263	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	6.3	29
262	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	1.4	29
261	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	1.5	28
260	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	5.1	28
259	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, 291-9	9.3	28
258	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	3.3	28

257	Oxidation of H ₂ S to Elemental Sulfur over Alumina Based Nanocatalysts: Synthesis and Physiochemical Evaluations. <i>Scientia Iranica</i> , 2016 , 23, 1160-1174	1.5	28
256	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	10.2	28
255	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,	3.8	28
254	A novel highly sensitive and selective HS gas sensor at low temperatures based on SnO quantum dots-C nanohybrid: Experimental and theory study. <i>Talanta</i> , 2018 , 188, 531-539	6.2	28
253	A new strategy for hydrogen sulfide removal by amido-functionalized reduced graphene oxide as a novel metal-free and highly efficient nanoadsorbent. <i>Journal of Sulfur Chemistry</i> , 2015 , 36, 660-671	2.3	27
252	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	6.8	27
251	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	5.8	27
250	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	6	26
249	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	5.3	26
248	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	5.8	26
247	Benzenesulfonic acid-grafted graphene as a new and green nanoadsorbent in hydrogen sulfide removal. <i>Journal of Natural Gas Science and Engineering</i> , 2016 , 28, 87-94	4.6	26
246	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	6.7	26
245	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	4.6	26
244	Preparation of nanosensors based on organic functionalized MWCNT for H ₂ S detection. <i>Applied Surface Science</i> , 2012 , 259, 159-165	6.7	26
243	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	1.4	26
242	Modification of Carbon Nanotubes for H ₂ S Sorption. <i>Industrial & Engineering Chemistry Research</i> , 2011 , 50, 8050-8057	3.9	26
241	Fractal Geometry Approach to Describe Mesostructured Boehmite and Gamma-Alumina Nanorods. <i>European Journal of Inorganic Chemistry</i> , 2010 , 2010, 1544-1551	2.3	26
240	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	6.8	26

239	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	1.4	25
238	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	3.9	25
237	Synthesis of carbon nanotube-supported metallo carboxyporphyrin as a novel nanocatalyst for the mercaptan removal. <i>Journal of Natural Gas Science and Engineering</i> , 2015 , 25, 103-109	4.6	25
236	Separation of methane/nitrogen mixtures using synthesis vertically aligned carbon nanotube membranes. <i>Applied Surface Science</i> , 2012 , 258, 4819-4825	6.7	25
235	Speciation and determination of inorganic arsenic species in water and biological samples by ultrasound assisted-dispersive-micro-solid phase extraction on carboxylated nanoporous graphene coupled with flow injection-hydride generation atomic absorption spectrometry. <i>RSC Advances</i> , 2015 , 5, 93347-93359	3.7	24
234	The role of tin-promoted Pd/MWNTs via the management of carbonaceous species in selective hydrogenation of high concentration acetylene. <i>Applied Surface Science</i> , 2012 , 263, 513-522	6.7	24
233	Ethylbenzene removal by carbon nanotubes from aqueous solution. <i>Journal of Environmental and Public Health</i> , 2012 , 2012, 817187	2.6	24
232	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		24
231	Preparation and microstructural properties study on cement composites reinforced with multi-walled carbon nanotubes. <i>Journal of Composite Materials</i> , 2015 , 49, 85-98	2.7	23
230	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	2.8	23
229	Synthesis, characterization and operation of a functionalized multi-walled CNT supported MnOx nanocatalyst for deep oxidative desulfurization of sour petroleum fractions. <i>Journal of Industrial and Engineering Chemistry</i> , 2014 , 20, 4054-4058	6.3	23
228	Investigation of H2S separation from H2S/CH4 mixtures using functionalized and non-functionalized vertically aligned carbon nanotube membranes. <i>Applied Surface Science</i> , 2013 , 270, 115-123	6.7	23
227	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	12.8	23
226	Arsenic speciation based on amine-functionalized bimodal mesoporous silica nanoparticles by ultrasound assisted-dispersive solid-liquid multiple phase microextraction. <i>Microchemical Journal</i> , 2017 , 130, 137-146	4.8	22
225	Mixed templates application in ZSM-5 nanoparticles synthesis: Effect on the size, crystallinity, and surface area. <i>Advanced Powder Technology</i> , 2014 , 25, 1767-1771	4.6	21
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76	Experimental and Computational Study of Organic Sulfur Removal Proficiency of (Ni, Cu, Co)-Doped ZIF-8 Adsorbents. <i>ChemistrySelect</i> , 2020 , 5, 231-243	1.8	5
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63	CFD modeling and experimental study of multi-walled carbon nanotubes production by fluidized bed catalytic chemical vapor deposition. <i>International Communications in Heat and Mass Transfer</i> , 2011 , 38, 984-989	5.8	4
62	Monoaromatic Pollutant Removal by Carbon Nanotubes from Aqueous Solution. <i>Advanced Materials Research</i> , 2012 , 488-489, 934-939	0.5	4
61	High performance novel nanoadsorbents derived - natural cellulose fibers for superior CO ₂ adsorption and CO ₂ / CH ₄ separation. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2020 , 1-19	1.6	4
60	COD removal from gasfield produced water using photoelectrocatalysis process on coil type microreactor. <i>Journal of Industrial and Engineering Chemistry</i> , 2021 , 98, 262-269	6.3	4

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44	Synthesis of Nano Structured Membrane from Carbon Nanotube for Waste Water Treatment. <i>Advanced Materials Research</i> , 2013 , 829, 386-390	0.5	2
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39	Synthesis of Nitrogen-Doped CNT-Based MOF Hybrids for Adsorptive Desulfurization of the Gas Stream. <i>ChemistrySelect</i> , 2020 , 5, 13530-13536	1.8	2
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