

# Alimorad Rashidi

## List of Publications by Year in Descending Order

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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	Experimental and DFT studies on corrosion protection performance of epoxy/graphene quantum dots@TiO <sub>2</sub> nanotubes coatings. <i>Construction and Building Materials</i> , <b>2022</b> , 322, 126501	6.7	1
363	Comparative study of various preparation methods of metal-free N and S Co-doped porous graphene as an ORR catalyst in alkaline solution. <i>Journal of Chemical Sciences</i> , <b>2022</b> , 134, 1	1.8	0
362	Anthracite coal-derived activated carbon as an effectiveness adsorbent for superior gas adsorption and CO <sub>2</sub> / N <sub>2</sub> and CO <sub>2</sub> / CH <sub>4</sub> selectivity: Experimental and DFT study. <i>Journal of Environmental Chemical Engineering</i> , <b>2022</b> , 10, 107007	6.8	2
361	Optimizing treatment of alcohol vinasse using a combination of advanced oxidation with porous FeO nanoparticles and coagulation-flocculation.. <i>Ecotoxicology and Environmental Safety</i> , <b>2022</b> , 234, 113354	7	0
360	Amino-silane co-functionalized h-BN nanofibers with anti-corrosive function for epoxy coating. <i>Reactive and Functional Polymers</i> , <b>2022</b> , 174, 105244	4.6	2
359	In-situ catalytic fast pyrolysis of reed as a sustainable method for production of porous carbon as VOCs adsorbents. <i>Journal of Analytical and Applied Pyrolysis</i> , <b>2022</b> , 164, 105520	6	0
358	Antifouling nanocomposite polymer coatings for marine applications: A review on experiments, mechanisms, and theoretical studies. <i>Journal of Materials Science and Technology</i> , <b>2022</b> , 118, 73-113	9.1	2
357	Conversion of biomass to N, S co-doped porous graphene as an adsorbent for mercury vapor removal: optimization and DFT study.. <i>Journal of Environmental Health Science &amp; Engineering</i> , <b>2021</b> , 19, 1569-1582	2.9	0
356	COD removal from gasfield produced water using photoelectrocatalysis process on coil type microreactor. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2021</b> , 98, 262-269	6.3	4
355	Ultrasonication-assisted synthesis of 2D porous MoS <sub>2</sub> /GO nanocomposite catalysts as high-performance hydrodesulfurization catalysts of vacuum gasoil: Experimental and DFT study. <i>Ultrasonics Sonochemistry</i> , <b>2021</b> , 74, 105558	8.9	5
354	Synthesis of 2D-porous MoS <sub>2</sub> as a nanocatalyst for oxidative desulfurization of sour gas condensate: Process parameters optimization based on the Levenberg-Marquardt algorithm. <i>Journal of Environmental Chemical Engineering</i> , <b>2021</b> , 9, 105200	6.8	8
353	Preparation of fiber-like nanoporous carbon from jute thread waste for superior CO <sub>2</sub> and H <sub>2</sub> S removal from natural gas: Experimental and DFT study. <i>Chemical Engineering Journal</i> , <b>2021</b> , 415, 129076	14.7	6
352	Preparation and characterization of graphene oxide aerogel/gelatin as a hybrid scaffold for application in nerve tissue engineering. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , <b>2021</b> , 70, 674-683	3	11
351	Catalytic activity of synthesized 2D MoS <sub>2</sub> /graphene nanohybrids for the hydrodesulfurization of SRLGO: experimental and DFT study. <i>Environmental Science and Pollution Research</i> , <b>2021</b> , 28, 5978-5990	5.1	7
350	New approach to unsupported ReS <sub>2</sub> nanorod catalyst for upgrading of heavy crude oil using methane as hydrogen source. <i>International Journal of Hydrogen Energy</i> , <b>2021</b> , 46, 5270-5285	6.7	4
349	N-CNT/ZIF-8 nano-adsorbent for adsorptive desulfurization of the liquid streams: Experimental and. <i>Journal of Environmental Chemical Engineering</i> , <b>2021</b> , 9, 104806	6.8	6
348	Bio-nano emulsion fuel based on graphene quantum dot nanoparticles for reducing energy consumption and pollutants emission. <i>Energy</i> , <b>2021</b> , 218, 119551	7.9	1

347	Highly efficient and recyclable spongy nanoporous graphene for remediation of organic pollutants. <i>Chemical Engineering Research and Design</i> , <b>2021</b> , 148, 313-322	5.5	5
346	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> , <b>2021</b> , 11, 943-954	2.3	15
345	Synthesis of new functionalized reduced graphene oxide quantum dot composite for high-performance NO <sub>2</sub> gas sensor. <i>Research on Chemical Intermediates</i> , <b>2021</b> , 47, 2279	2.8	1
344	Single-step synthesis of N, S co-doped waste-derived nanoporous carbon sorbent for mercury vapor removal. <i>Environmental Science and Pollution Research</i> , <b>2021</b> , 28, 17265-17274	5.1	0
343	Shedding Light on Miniaturized Dialysis Using MXene 2D Materials: A Computational Chemistry Approach. <i>ACS Omega</i> , <b>2021</b> , 6, 6312-6325	3.9	9
342	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> , <b>2021</b> , 622, 126720	5.1	10
341	Defect engineering-induced porosity in graphene quantum dots embedded metal-organic frameworks for enhanced benzene and toluene adsorption. <i>Journal of Hazardous Materials</i> , <b>2021</b> , 416, 125973	12.8	6
340	Using BCN nanostructure as anode electrode for photoelectrocatalytic degradation of organics: a statistical approach <b>2021</b> , 70, 856-867		0
339	Oxidative desulfurization of a model liquid fuel over an rGO-supported transition metal modified WO <sub>3</sub> catalyst: Experimental and theoretical studies. <i>Separation and Purification Technology</i> , <b>2021</b> , 269, 118729	8.3	11
338	In situ simultaneous chemical activation and exfoliation of carbon quantum dots for atmospheric adsorption of H <sub>2</sub> S and CO <sub>2</sub> at room temperature. <i>Applied Surface Science</i> , <b>2021</b> , 559, 149892	6.7	2
337	Experimental and DFT studies on the effect of carbon nanoparticles on asphaltene precipitation and aggregation phenomena. <i>Chemical Engineering Journal</i> , <b>2021</b> , 422, 130030	14.7	6
336	Ultra-stable nanofluid containing Functionalized-Carbon Dots for heat transfer enhancement in Water/Ethylene glycol systems: Experimental and DFT studies. <i>Energy Reports</i> , <b>2021</b> , 7, 4222-4234	4.6	7
335	Synthesis of two-dimensional TiO <sub>2</sub> @multi-walled carbon nanotube nanocomposites as smart nanocatalyst for ultra-deep oxidative desulfurization of liquid fuel: Optimization via response surface methodology. <i>Fuel</i> , <b>2021</b> , 306, 121635	7.1	3
334	Corrosion properties of organic polymer coating reinforced two-dimensional nitride nanostructures: a comprehensive review. <i>Journal of Polymer Research</i> , <b>2021</b> , 28, 1	2.7	7
333	Experimental and DFT insights into nitrogen and sulfur co-doped carbon nanotubes for effective desulfurization of liquid phases: Equilibrium & kinetic study. <i>Frontiers of Environmental Science and Engineering</i> , <b>2021</b> , 15, 1	5.8	2
332	Experimental Pore-Scale Study of a Novel Functionalized Iron-Carbon Nanohybrid for Enhanced Oil Recovery (EOR).. <i>Nanomaterials</i> , <b>2021</b> , 12,	5.4	2
331	Polymer/Inorganic nanocomposite coatings with superior corrosion protection performance: A review. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2020</b> , 88, 29-57	6.3	60
330	Synthesis and characterization of ZnO-functionalized multiwall carbon nanotubes nanocomposite as NO <sub>x</sub> gas sensor. <i>Research on Chemical Intermediates</i> , <b>2020</b> , 46, 3911-3927	2.8	7

329	The oxidative desulfurization process performed upon a model fuel utilizing modified molybdenum based nanocatalysts: Experimental and density functional theory investigations under optimally prepared and operated conditions. <i>Applied Surface Science</i> , <b>2020</b> , 527, 146798	6.7	12
328	Effective adsorption of hydrogen sulfide by intercalation of TiO <sub>2</sub> and N-doped TiO <sub>2</sub> in graphene oxide. <i>Journal of Environmental Chemical Engineering</i> , <b>2020</b> , 8, 103836	6.8	20
327	Insight into 1:1 complexes of H <sub>2</sub> O with NF <sub>3</sub> and CF <sub>2</sub> Cl <sub>2</sub> : a quantum chemical approach. <i>Journal of Chemical Sciences</i> , <b>2020</b> , 132, 1	1.8	0
326	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> , <b>2020</b> , 100, 107660	2.8	23
325	Synthesis of MoS <sub>2</sub> quantum dots as a nanocatalyst for hydrodesulfurization of Naphtha: Experimental and DFT study. <i>Journal of Environmental Chemical Engineering</i> , <b>2020</b> , 8, 103736	6.8	10
324	Experimental evaluation of nanomaterials to improve drilling fluid properties of water-based muds HP/HT applications. <i>Journal of Petroleum Science and Engineering</i> , <b>2020</b> , 190, 107006	4.4	12
323	High temperature nanofluids based on therminol 66 for improving the heat exchangers power in gas refineries. <i>Applied Thermal Engineering</i> , <b>2020</b> , 170, 114991	5.8	8
322	Thermophysical properties of water ethylene glycol (WEG) mixture-based Fe <sub>3</sub> O <sub>4</sub> nanofluids at low concentration and temperature. <i>Journal of Molecular Liquids</i> , <b>2020</b> , 302, 112606	6	26
321	Adsorption and growth of water clusters on UiO-66 based nanoadsorbents: A systematic and comparative study on dehydration of natural gas. <i>Separation and Purification Technology</i> , <b>2020</b> , 239, 116512	8.3	12
320	Synthesis of micro/mesoporous carbon adsorbents by in-situ fast pyrolysis of reed for recovering gasoline vapor. <i>Journal of Cleaner Production</i> , <b>2020</b> , 259, 120832	10.3	4
319	Hybrid of quantum dots for interfacial tension reduction and reservoir alteration wettability for enhanced oil recovery (EOR). <i>Journal of Molecular Liquids</i> , <b>2020</b> , 307, 112984	6	14
318	Starch-based activated carbon micro-spheres for adsorption of methane with superior performance in ANG technology. <i>Journal of Environmental Chemical Engineering</i> , <b>2020</b> , 8, 103910	6.8	5
317	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> , <b>2020</b> , 736, 139570	10.2	28
316	A review on application of carbon nanostructures as nanofiller in corrosion-resistant organic coatings <b>2020</b> , 17, 19-55		15
315	Highly uniform molybdenum oxide loaded N-CNT as a remarkably active and selective nanocatalyst for HS selective oxidation. <i>Science of the Total Environment</i> , <b>2020</b> , 711, 134819	10.2	10
314	Lignocellulose-based adsorbents: A spotlight review of the effective parameters on carbon dioxide capture process. <i>Chemosphere</i> , <b>2020</b> , 246, 125756	8.4	19
313	Developing a metamodel based upon the DOE approach for investigating the overall performance of microchannel heat sinks utilizing a variety of internal fins. <i>International Journal of Heat and Mass Transfer</i> , <b>2020</b> , 149, 119219	4.9	7
312	Synthesis of Helical and Straight Carbon Nanofibers on Water Soluble Sodium Chloride Supported Catalyst. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , <b>2020</b> , 30, 1600-1608	3.2	

311	Experimental and Computational Study of Organic Sulfur Removal Proficiency of (Ni, Cu, Co)-Doped ZIF-8 Adsorbents. <i>ChemistrySelect</i> , <b>2020</b> , 5, 231-243	1.8	5
310	Doping Transition Metals into TiO <sub>2</sub> -CNT Nanocatalyst to Enhance the Selective Oxidation of H <sub>2</sub> S. <i>ChemistrySelect</i> , <b>2020</b> , 5, 11242-11256	1.8	
309	Covalent modification of reduced graphene oxide with piperazine as a novel nanoadsorbent for removal of H <sub>2</sub> S gas. <i>Research on Chemical Intermediates</i> , <b>2020</b> , 46, 4447-4463	2.8	1
308	Synthesis of Nitrogen-Doped CNT-Based MOF Hybrids for Adsorptive Desulfurization of the Gas Stream. <i>ChemistrySelect</i> , <b>2020</b> , 5, 13530-13536	1.8	2
307	High performance novel nanoadsorbents derived - natural cellulose fibers for superior CO <sub>2</sub> adsorption and CO <sub>2</sub> / CH <sub>4</sub> separation. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , <b>2020</b> , 1-19	1.6	4
306	Single-step conversion of sugarcane bagasse to biofuel over Mo-supported graphene oxide nanocatalyst. <i>Biomass Conversion and Biorefinery</i> , <b>2020</b> , 1	2.3	1
305	Synthesis of novel and engineered UiO-66/graphene oxide nanocomposite with enhanced H <sub>2</sub> S adsorption capacity. <i>Journal of Environmental Chemical Engineering</i> , <b>2020</b> , 8, 104351	6.8	11
304	Effect of nanosilica morphology on modification of asphalt binder. <i>Road Materials and Pavement Design</i> , <b>2020</b> , 21, 2230-2246	2.6	9
303	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> , <b>2020</b> , 384, 121317	12.8	21
302	Experimental application of functionalized N-doped graphene for improving enhanced oil recovery. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2019</b> , 581, 123801	5.1	6
301	Efficient DBT removal from diesel oil by CVD synthesized N-doped graphene as a nanoadsorbent: Equilibrium, kinetic and DFT study. <i>Ecotoxicology and Environmental Safety</i> , <b>2019</b> , 172, 89-96	7	10
300	Highly efficient SO <sub>3</sub> Ag-functionalized MIL-101(Cr) for adsorptive desulfurization of the gas stream: Experimental and DFT study. <i>Chemical Engineering Journal</i> , <b>2019</b> , 363, 73-83	14.7	34
299	Synthesis of graphene oxide-supported meso-tetrakis (4-carboxyphenyl) porphyrinatoiron (III) chloride as a heterogeneous nanocatalyst for the mercaptan removal from the gas stream. <i>Journal of Nanostructure in Chemistry</i> , <b>2019</b> , 9, 19-28	7.6	7
298	Nonlinear elastoplastic behavior induced by multiwalled carbon nanotubes in the compatibilized low density polyethylene/poly(methyl hydrogen siloxane)-grafted perlite nanocomposites. <i>Mechanics of Materials</i> , <b>2019</b> , 136, 103066	3.3	4
297	Tuning the surface chemistry and porosity of waste-derived nanoporous materials toward exceptional performance in antibiotic adsorption: Experimental and DFT studies. <i>Chemical Engineering Journal</i> , <b>2019</b> , 374, 274-291	14.7	14
296	Preparation of nanozeolite-based RFCC catalysts and evaluation of their catalytic performance in RFCC process. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , <b>2019</b> , 100, 37-46	5.3	1
295	Value-added utilization of pyrolysis heavy distillate for the synthesis of nitrogen doped graphene with chemical vapor deposition. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , <b>2019</b> , 27, 525-530	1.8	0
294	Silica-graphene nanohybrid supported MoS <sub>2</sub> nanocatalyst for hydrogenation reaction and upgrading heavy oil. <i>Journal of Petroleum Science and Engineering</i> , <b>2019</b> , 177, 822-828	4.4	10

293	Investigation on effect of KCl addition on desalination performance of co-polymerized GO/Nylon nanocomposite membrane. <i>Chemical Engineering Research and Design</i> , <b>2019</b> , 125, 31-38	5.5	5
292	Nitrogen-doped carbon nanotubes for heat transfer applications. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2019</b> , 138, 69-79	4.1	2
291	Study on Nanocellulose Properties Processed Using Different Methods and Their Aerogels. <i>Journal of Polymers and the Environment</i> , <b>2019</b> , 27, 1418-1428	4.5	9
290	Molecular-sieve porous graphene as a steady phase of gas chromatography column for dissociation and measurement of nitrous oxide, carbon dioxide and gaseous hydrocarbons. <i>International Journal of Environmental Science and Technology</i> , <b>2019</b> , 16, 3049-3060	3.3	1
289	Theoretical insight into a feasible strategy of capturing, storing and releasing toxic HCN at the surface of doped BN-sheets by charge modulation. <i>Applied Surface Science</i> , <b>2019</b> , 496, 143714	6.7	8
288	Theoretical studies on B, N, P, S, and Si doped fullerenes toward H <sub>2</sub> S sensing and adsorption. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , <b>2019</b> , 114, 113626	3	10
287	Adsorption of hydrogen sulfide over a novel metal organic framework metal oxide nanocomposite: TOUO-x (TiO <sub>2</sub> /UiO-66). <i>Journal of Solid State Chemistry</i> , <b>2019</b> , 278, 120866	3.3	10
286	Synthesis of hierarchical SAPO-34 and its enhanced catalytic performance in methanol to propylene conversion process. <i>Petroleum Science and Technology</i> , <b>2019</b> , 37, 2231-2237	1.4	
285	Experimental investigation on the thermal performance of ultra-stable kerosene-based MWCNTs and Graphene nanofluids. <i>International Communications in Heat and Mass Transfer</i> , <b>2019</b> , 108, 104334	5.8	15
284	A novel aspect of functionalized graphene quantum dots in cytotoxicity studies. <i>Toxicology in Vitro</i> , <b>2019</b> , 61, 104649	3.6	16
283	Synthesis of a modified HF-free MIL-101(Cr) nanoadsorbent with enhanced H <sub>2</sub> S/CH <sub>4</sub> , CO <sub>2</sub> /CH <sub>4</sub> , and CO <sub>2</sub> /N <sub>2</sub> selectivity. <i>Journal of Environmental Chemical Engineering</i> , <b>2019</b> , 7, 102946	6.8	26
282	Comparing the corrosion protection performance of graphene nanosheets and graphene quantum dots as nanofiller in epoxy coatings. <i>Industrial Lubrication and Tribology</i> , <b>2019</b> , 71, 653-656	1.3	4
281	The evaluation of the mechanical characteristics of the synthesized glass-ionomer cements (GICs): the effect of hydroxyapatite and fluorapatite nanoparticles and glass powders. <i>Journal of the Australian Ceramic Society</i> , <b>2019</b> , 55, 507-517	1.5	3
280	Facile and high-yield synthesis of improved MIL-101(Cr) metal-organic framework with exceptional CO <sub>2</sub> and H <sub>2</sub> S uptake; the impact of excess ligand-cluster. <i>Microporous and Mesoporous Materials</i> , <b>2019</b> , 279, 153-164	5.3	41
279	Synthesis of disodium phosphonate functionalized graphene oxide as an efficient heterogeneous nanocatalyst for mercaptan removal from the gas stream. <i>Functional Materials Letters</i> , <b>2019</b> , 12, 1950027-2	1.2	1
278	Developing a new method for synthesizing amine functionalized g-C <sub>3</sub> N <sub>4</sub> nanosheets for application as anti-corrosion nanofiller in epoxy coatings. <i>SN Applied Sciences</i> , <b>2019</b> , 1, 1	1.8	4
277	A highly efficient MIL-101(Cr)/Graphene/Molybdenum oxide nano composite for selective oxidation of hydrogen sulfide into elemental sulfur. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2019</b> , 71, 308-317	6.3	9
276	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> , <b>2019</b> , 175, 868-880	4.4	21



275	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> , <b>2019</b> , 358, 1126-1138	14.7	34
274	Nanorod carbon nitride as a carbo catalyst for selective oxidation of hydrogen sulfide to sulfur. <i>Journal of Hazardous Materials</i> , <b>2019</b> , 364, 218-226	12.8	23
273	Synthesis of graphene by in situ catalytic chemical vapor deposition of reed as a carbon source for VOC adsorption. <i>Environmental Science and Pollution Research</i> , <b>2019</b> , 26, 3643-3650	5.1	14
272	Experimental investigation of carboxylate-alumoxane nanoparticles for the enhanced oil recovery performance. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2019</b> , 563, 37-49	5.1	19
271	Progress toward a novel methane gas sensor based on SnO <sub>2</sub> nanorods-nanoporous graphene hybrid. <i>Sensors and Actuators B: Chemical</i> , <b>2019</b> , 281, 96-106	8.5	68
270	A novel bio-nano emulsion fuel based on biodegradable nanoparticles to improve diesel engines performance and reduce exhaust emissions. <i>Renewable Energy</i> , <b>2018</b> , 125, 64-72	8.1	62
269	Preparation of activated carbon dots from sugarcane bagasse for naphthalene removal from aqueous solutions. <i>Separation Science and Technology</i> , <b>2018</b> , 53, 2536-2549	2.5	17
268	One Step Synthesis of Nitrogen-Doped Graphene from Naphthalene and Urea by Atmospheric Chemical Vapor Deposition. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , <b>2018</b> , 28, 1609-1615	3.2	4
267	Synthesis and adsorption performance of a modified micro-mesoporous MIL-101(Cr) for VOCs removal at ambient conditions. <i>Chemical Engineering Journal</i> , <b>2018</b> , 341, 164-174	14.7	90
266	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> , <b>2018</b> , 61, 416-426	6.3	44
265	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> , <b>2018</b> , 85, 121-131	5.3	26
264	Inherent health and environmental risk assessment of nanostructured metal oxide production processes. <i>Environmental Monitoring and Assessment</i> , <b>2018</b> , 190, 73	3.1	3
263	Synthesis of CeO <sub>x</sub> /Al <sub>2</sub> O <sub>3</sub> catalyst for the NH <sub>3</sub> -SCR of NO <sub>x</sub> . <i>Materials Research Bulletin</i> , <b>2018</b> , 97, 1-5	5.1	8
262	Corrosion protection properties of novel epoxy nanocomposite coatings containing silane functionalized graphene quantum dots. <i>Journal of Alloys and Compounds</i> , <b>2018</b> , 731, 1112-1118	5.7	51
261	Populus wood biomass-derived graphene for high CO <sub>2</sub> capture at atmospheric pressure and estimated cost of production. <i>Chemical Engineering Research and Design</i> , <b>2018</b> , 113, 97-108	5.5	37
260	Hydrodesulfurization (HDS) Process Based on Nano-catalysts: The Role of Supports. <i>Topics in Mining, Metallurgy and Materials Engineering</i> , <b>2018</b> , 193-210	0.4	
259	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> , <b>2018</b> , 106, 1314-1322	7.9	88
258	Preparation of MIL-101-nanoporous carbon as a new type of nanoadsorbent for H <sub>2</sub> S removal from gas stream. <i>Journal of Natural Gas Science and Engineering</i> , <b>2018</b> , 57, 331-338	4.6	14

257	Porous nitrogen-doped graphene prepared through pyrolysis of ammonium acetate as an efficient ORR nanocatalyst. <i>International Journal of Hydrogen Energy</i> , <b>2018</b> , 43, 15941-15951	6.7	26
256	Synthesis of MIL-101@nanoporous graphene composites as hydrophobic adsorbents for oil removal. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , <b>2018</b> , 91, 597-608	5.3	15
255	Removal of mercaptan from natural gas condensate using N-doped carbon nanotube adsorbents: Kinetic and DFT study. <i>Journal of Natural Gas Science and Engineering</i> , <b>2018</b> , 55, 288-297	4.6	19
254	Application of functionalized silica-graphene nanohybrid for the enhanced oil recovery performance. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2018</b> , 556, 253-265	5.1	28
253	The effect of polycrystalline graphene on corrosion protection performance of solvent based epoxy coatings: Experimental and DFT studies. <i>Journal of Alloys and Compounds</i> , <b>2018</b> , 764, 530-539	5.7	12
252	Analyzing Effects of Multi-Wall Carbon Nanotubes (MWCNT) & Polyethylene Glycol (PEG) on Performance of Water Base Mud (WBM) in Shale Formation. <i>Open Petroleum Engineering Journal</i> , <b>2018</b> , 11, 29-47	1	1
251	Nitrogen-modified nanoporous activated carbon from eucalyptus leaves for ultrasound-assisted removal of basic dyes using derivative spectrophotometric method. <i>Journal of the Serbian Chemical Society</i> , <b>2018</b> , 83, 651-668	0.9	2
250	Effective mesoporous silica-ZIF-8 nano-adsorbents for adsorptive desulfurization of gas stream. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , <b>2018</b> , 82, 10-22	5.3	18
249	Toluene Removal from Aqueous Solutions Using Single-Wall Carbon Nanotube and Magnetic Nanoparticle Hybrid Adsorbent. <i>Journal of Environmental Engineering, ASCE</i> , <b>2018</b> , 144, 04017104	2	6
248	Newly MOF-Graphene Hybrid Nano-adsorbent for Removal of Ni(II) from Aqueous Phase. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , <b>2018</b> , 28, 829-836	3.2	17
247	Experimental investigation of conduction and convection heat transfer properties of a novel nanofluid based on carbon quantum dots. <i>International Communications in Heat and Mass Transfer</i> , <b>2018</b> , 90, 85-92	5.8	15
246	Removal of 4-chlorophenol from water using different carbon nanostructures: A comparison study. <i>Journal of Molecular Liquids</i> , <b>2018</b> , 249, 877-885	6	32
245	Potential of Acid-Activated Bentonite and SO <sub>3</sub> H-Functionalized MWCNTs for Biodiesel Production From Residual Olive Oil Under Biorefinery Scheme. <i>Frontiers in Energy Research</i> , <b>2018</b> , 6,	3.8	28
244	Hydrodesulfurization catalysts based on carbon nanostructures: A review. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , <b>2018</b> , 26, 557-569	1.8	13
243	Synthesis of N-doped nanoporous carbon from walnut shell for enhancing CO <sub>2</sub> adsorption capacity and separation. <i>Journal of Environmental Chemical Engineering</i> , <b>2018</b> , 6, 6653-6663	6.8	32
242	Adsorptive mercaptan removal of liquid phase using nanoporous graphene: Equilibrium, kinetic study and DFT calculations. <i>Ecotoxicology and Environmental Safety</i> , <b>2018</b> , 165, 533-539	7	17
241	A novel nanofluid based on sulfonated graphene for enhanced oil recovery. <i>Journal of Molecular Liquids</i> , <b>2018</b> , 271, 795-806	6	48
240	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> , <b>2018</b> , 188, 531-539	6.2	28



239	Synthesis of TiO <sub>2</sub> -CNT hybrid nanocatalyst and its application in direct oxidation of H <sub>2</sub> S to S. <i>Chemical Physics</i> , <b>2018</b> , 511, 7-19	2.3	6
238	Investigating the effect of SiO <sub>2</sub> -graphene oxide hybrid as inorganic nanofiller on corrosion protection properties of epoxy coatings. <i>Surface and Coatings Technology</i> , <b>2017</b> , 311, 282-294	4.4	157
237	Facile synthesis of CuO@PbS core/shell nanowire arrays. <i>Materials Letters</i> , <b>2017</b> , 193, 259-262	3.3	2
236	The effect of copper loading method on the performance of Cu/HZSM-5 nanocatalysts in methanol to gasoline conversion. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , <b>2017</b> , 1-7	1.6	4
235	Selective hydrogenation of 4-carboxybenzaldehyde over palladium catalysts supported with different structural organization. <i>International Journal of Hydrogen Energy</i> , <b>2017</b> , 42, 2970-2983	6.7	4
234	Nanostructured mixed transition metal oxides for high performance asymmetric supercapacitors: Facile synthetic strategy. <i>International Journal of Hydrogen Energy</i> , <b>2017</b> , 42, 12384-12395	6.7	77
233	Novel synthesis of cobalt/poly vinyl alcohol/gamma alumina nanocomposite for catalytic application. <i>Applied Physics A: Materials Science and Processing</i> , <b>2017</b> , 123, 1	2.6	11
232	Percolating micro-structures as a key-role of heat conduction mechanism in nanofluids. <i>Applied Thermal Engineering</i> , <b>2017</b> , 114, 346-359	5.8	9
231	Facile and economical preparation method of nanoporous graphene/silica nano hybrid and evaluation of its Pickering emulsion properties for Chemical Enhanced oil Recovery (C-EOR). <i>Fuel</i> , <b>2017</b> , 206, 453-466	7.1	45
230	Distinctive roles of silane coupling agents on the corrosion inhibition performance of graphene oxide in epoxy coatings. <i>Progress in Organic Coatings</i> , <b>2017</b> , 111, 47-56	4.8	131
229	High capacity and energy-efficient dehydration of liquid fuel 2-dimethyl amino ethyl azide (DMAZ) over chromium terephthalic (MIL-101) nano adsorbent. <i>Adsorption</i> , <b>2017</b> , 23, 743-752	2.6	7
228	Evaluation of performance and thermophysical properties of alumina nanofluid as a new heating medium for processing of food products. <i>Journal of Food Process Engineering</i> , <b>2017</b> , 40, e12544	2.4	11
227	Excellent corrosion protection performance of epoxy composite coatings filled with amino-silane functionalized graphene oxide. <i>Surface and Coatings Technology</i> , <b>2017</b> , 317, 1-9	4.4	162
226	Naphtha HDS over Co-Mo/Graphene catalyst synthesized through the spray pyrolysis technique. <i>Journal of Analytical and Applied Pyrolysis</i> , <b>2017</b> , 123, 144-151	6	11
225	Evaluation of clustering role versus Brownian motion effect on the heat conduction in nanofluids: A novel approach. <i>International Journal of Heat and Mass Transfer</i> , <b>2017</b> , 108, 822-829	4.9	20
224	Preparation and investigation of the heat transfer properties of a novel nanofluid based on graphene quantum dots. <i>Energy Conversion and Management</i> , <b>2017</b> , 153, 215-223	10.6	37
223	The high selectivity of Ce-hierarchical SAPO-34 nanocatalyst for the methanol to propylene conversion process. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , <b>2017</b> , 122, 1265-1279	1.6	5
222	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> , <b>2017</b> , 5, 5025-5032	6.8	27

221	Optimizing parameters affecting synthesis of a novel CoMo/GO catalyst in a Naphtha HDS reaction utilizing D-optimal experimental design method. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , <b>2017</b> , 78, 566-575	5.3	8
220	Investigation of Fe <sub>3</sub> O <sub>4</sub> /Graphene nanohybrid heat transfer properties: Experimental approach. <i>International Communications in Heat and Mass Transfer</i> , <b>2017</b> , 87, 30-39	5.8	47
219	Development of tin dioxide quantum dots/multi-walled carbon nanotubes and tin dioxide quantum dots/carbon nanohorns nanohybrids as low temperatures natural gas sensors. <i>Ceramics International</i> , <b>2017</b> , 43, 14326-14333	5.1	10
218	Heavy crude oil upgrading using homogenous nanocatalyst. <i>Journal of Petroleum Science and Engineering</i> , <b>2017</b> , 158, 47-55	4.4	16
217	Experimental assessment of graphene oxide adsorption onto sandstone reservoir rocks through response surface methodology. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , <b>2017</b> , 80, 34-45	5.3	18
216	The effect of HZSM-5 catalyst particle size on gasoline selectivity in methanol to gasoline conversion process. <i>Powder Technology</i> , <b>2017</b> , 320, 696-702	5.2	6
215	Nitrogen doped nanoporous graphene: an efficient metal-free electrocatalyst for the oxygen reduction reaction. <i>RSC Advances</i> , <b>2017</b> , 7, 55555-55566	3.7	12
214	Surface modification of silica-graphene nanohybrid as a novel stabilizer for oil-water emulsion. <i>Korean Journal of Chemical Engineering</i> , <b>2017</b> , 34, 2488-2497	2.8	3
213	Preparation of piperazine-grafted amine-functionalized UiO-66 metal organic framework and its application for CO <sub>2</sub> over CH <sub>4</sub> separation. <i>Journal of the Iranian Chemical Society</i> , <b>2017</b> , 14, 2247-2253	2	10
212	Hydrogen Storage Behaviors by Adsorption on Multi-Walled Carbon Nanotubes. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , <b>2017</b> , 27, 285-295	3.2	18
211	Exploring corrosion protection properties of solvent based epoxy-graphene oxide nanocomposite coatings on mild steel. <i>Corrosion Science</i> , <b>2017</b> , 115, 78-92	6.8	319
210	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> , <b>2017</b> , 245, 164-173	3.3	30
209	Preparation of graphene-nickel nanoparticles hybrid by spray pyrolysis using nickel oleate precursor and its application as a ferrofluid. <i>Inorganic and Nano-Metal Chemistry</i> , <b>2017</b> , 47, 558-564	1.2	1
208	Preparation of different graphene nanostructures for hydrogen adsorption. <i>Surface and Interface Analysis</i> , <b>2017</b> , 49, 230-237	1.5	9
207	Arsenic speciation based on amine-functionalized bimodal mesoporous silica nanoparticles by ultrasound assisted-dispersive solid-liquid multiple phase microextraction. <i>Microchemical Journal</i> , <b>2017</b> , 130, 137-146	4.8	22
206	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> , <b>2017</b> , 130, 245-254	4.8	43
205	Stirring-controlled solidified floating solid-liquid drop microextraction as a new solid phase-enhanced liquid-phase microextraction method by exploiting magnetic carbon nanotube-nickel hybrid. <i>Analytica Chimica Acta</i> , <b>2017</b> , 951, 78-88	6.6	16
204	Preparation of nanoporous activated carbon and its application as nano adsorbent for CO <sub>2</sub> storage. <i>Korean Journal of Chemical Engineering</i> , <b>2016</b> , 33, 616-622	2.8	13

203	The first catalytic application of oxidized carbon nanotubes in a four-component synthesis of fused heterocycles. <i>Monatshefte Für Chemie</i> , <b>2016</b> , 147, 791-795	1.4	25
202	On the application of NiO nanoparticles to mitigate in situ asphaltene deposition in carbonate porous matrix. <i>Applied Nanoscience (Switzerland)</i> , <b>2016</b> , 6, 71-81	3.3	29
201	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> , <b>2016</b> , 78, 127-134	5.8	26
200	Synthesis, processing, characterization, and applications of red mud/carbon nanotube composites. <i>Ceramics International</i> , <b>2016</b> , 42, 16738-16743	5.1	15
199	Hexavalent chromium adsorption from aqueous solutions using nanoporous graphene/Fe <sub>3</sub> O <sub>4</sub> (NPG/Fe <sub>3</sub> O <sub>4</sub> : modeling and optimization). <i>Desalination and Water Treatment</i> , <b>2016</b> , 57, 28284-28293		5
198	The effect of HZSM-5 catalyst particle size on kinetic models of methanol to gasoline conversion. <i>Chemical Engineering Research and Design</i> , <b>2016</b> , 106, 33-42	5.5	10
197	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> , <b>2016</b> , 109, 10-18	10.6	64
196	Preparation of amine functionalized UiO-66, mixing with aqueous N -Methyldiethanolamine and application on CO <sub>2</sub> solubility. <i>Journal of Natural Gas Science and Engineering</i> , <b>2016</b> , 28, 651-659	4.6	29
195	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> , <b>2016</b> , 125, 236-241	4.8	31
194	Experimental investigation of heat transfer enhancement of Fe <sub>2</sub> O <sub>3</sub> -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> , <b>2016</b> , 72, 182-189	3	60
193	Hydrogenation of crude terephthalic acid by supported Pd and Pd/Bn catalysts on functionalized multiwall carbon nanotubes. <i>Chemical Engineering Research and Design</i> , <b>2016</b> , 109, 41-52	5.5	6
192	Preparation and evaluation of nanocrystalline cellulose aerogels from raw cotton and cotton stalk. <i>Industrial Crops and Products</i> , <b>2016</b> , 93, 203-211	5.9	74
191	Performance enhancement of vertically aligned carbon nanotube membranes for separation of binary mixtures of H <sub>2</sub> S/CH <sub>4</sub> using different amine groups. <i>Materials Research Bulletin</i> , <b>2016</b> , 77, 155-165 <sup>5.1</sup>		1
190	Novel one-pot dry method for large-scale production of nano Al <sub>2</sub> O <sub>3</sub> from gibbsite under dry conditions. <i>Monatshefte Für Chemie</i> , <b>2016</b> , 147, 1153-1159	1.4	3
189	Growth of few layer graphene from commercial C <sub>2</sub> hydrocarbons at low temperature and controlled surface functionalization. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , <b>2016</b> , 24, 253-259 <sup>1.8</sup>		2
188	Effect of an emission-reducing soluble hybrid nanocatalyst in diesel/biodiesel blends on exergetic performance of a DI diesel engine. <i>Renewable Energy</i> , <b>2016</b> , 93, 353-368	8.1	81
187	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> , <b>2016</b> , 150, 476-84	6.2	34
186	Preparation of NiO Nanocatalyst Supported on MWCNTs and Its Application in Reduction of Nitrobenzene to Aniline in Liquid Phase. <i>Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry</i> , <b>2016</b> , 46, 959-967		9

185	Simultaneous absorption of carbon dioxide (CO <sub>2</sub> ) and hydrogen sulfide (H <sub>2</sub> S) from CO <sub>2</sub> /H <sub>2</sub> S/H <sub>2</sub> gas mixture using amine-based nanofluids in a wetted wall column. <i>Journal of Natural Gas Science and Engineering</i> , <b>2016</b> , 28, 410-417	4.6	53
184	Innovative separation and preconcentration technique of coagulating homogenous dispersive micro solid phase extraction exploiting graphene oxide nanosheets. <i>Analytica Chimica Acta</i> , <b>2016</b> , 902, 33-42	6.6	37
183	Benzenesulfonic acid-grafted graphene as a new and green nanoadsorbent in hydrogen sulfide removal. <i>Journal of Natural Gas Science and Engineering</i> , <b>2016</b> , 28, 87-94	4.6	26
182	Graphene based catalysts for deep hydrodesulfurization of naphtha and diesel fuels: A physiochemical study. <i>Fuel</i> , <b>2016</b> , 165, 468-476	7.1	30
181	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> , <b>2016</b> , 124, 637-645	4.8	34
180	Oxidation of H <sub>2</sub> S to Elemental Sulfur over Alumina Based Nanocatalysts: Synthesis and Physiochemical Evaluations. <i>Scientia Iranica</i> , <b>2016</b> , 23, 1160-1174	1.5	28
179	One-step Hydrothermal Synthesis and Assembly of Copper and Silver Nanoparticles to Aggregates in Glyoxal Reduction System. <i>Journal of the Chinese Chemical Society</i> , <b>2016</b> , 63, 627-635	1.5	1
178	Single-step scalable synthesis of three-dimensional highly porous graphene with favorable methane adsorption. <i>Chemical Engineering Journal</i> , <b>2016</b> , 304, 784-792	14.7	40
177	One-pot and Environmentally Friendly Synthesis of New Spiroindolones Using Functionalized Multiwall Carbon Nanotubes as Powerful Catalyst. <i>Journal of the Chinese Chemical Society</i> , <b>2016</b> , 63, 399-403	1.5	16
176	Artificial intelligence techniques for modeling and optimization of the HDS process over a new graphene based catalyst. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , <b>2016</b> , 191, 1256-1261	1	10
175	Remarkable enhancement of convective heat transfer with different nanoparticles in N-methyldiethanolamine solution in gas sweetening process. <i>International Communications in Heat and Mass Transfer</i> , <b>2016</b> , 76, 1-5	5.8	5
174	Newly Prepared Nano Gamma Alumina and Its Application in Enhanced Oil Recovery: An Approach to Low-Salinity Waterflooding. <i>Energy &amp; Fuels</i> , <b>2016</b> , 30, 3791-3797	4.1	36
173	The effect of nanoparticles on the heat transfer properties of drilling fluids. <i>Journal of Petroleum Science and Engineering</i> , <b>2016</b> , 146, 183-190	4.4	56
172	Rheological and thermophysical properties of ultra-stable kerosene-based Fe <sub>3</sub> O <sub>4</sub> /Graphene nanofluids for energy conservation. <i>Energy Conversion and Management</i> , <b>2016</b> , 128, 134-144	10.6	42
171	Allylamide-grafted multiwall carbon nanotubes as a new type of nanoadsorbent for the H <sub>2</sub> S removal from gas stream. <i>Journal of Natural Gas Science and Engineering</i> , <b>2016</b> , 36, 13-19	4.6	16
170	Control of morphology and optical properties of PbS nanostructured thin films by deposition parameters: study of mechanism. <i>Journal of Experimental Nanoscience</i> , <b>2016</b> , 11, 1416-1425	1.9	1
169	Preparation of silica-graphene nanohybrid as a stabilizer of emulsions. <i>Journal of Molecular Liquids</i> , <b>2016</b> , 222, 788-795	6	18
168	Ultrasound assisted dispersive micro solid-phase extraction of four tyrosine kinase inhibitors from serum and cerebrospinal fluid by using magnetic nanoparticles coated with nickel-doped silica as an adsorbent. <i>Mikrochimica Acta</i> , <b>2016</b> , 183, 2779-2789	5.8	16

167	Preparation and microstructural properties study on cement composites reinforced with multi-walled carbon nanotubes. <i>Journal of Composite Materials</i> , <b>2015</b> , 49, 85-98	2.7	23
166	Hydro-purification of crude terephthalic acid using palladium catalyst supported on multi-wall carbon nanotubes. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2015</b> , 28, 202-210	6.3	12
165	Carbonate and sandstone reservoirs wettability improvement without using surfactants for Chemical Enhanced Oil Recovery (C-EOR). <i>Fuel</i> , <b>2015</b> , 153, 408-415	7.1	68
164	Characterization of Metallic and Semiconducting Single-Walled Carbon Nanotubes Separated by Electromagnet. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , <b>2015</b> , 23, 843-845	1.8	
163	A facile and practical p-Toluenesulfonic acid catalyzed route to dicoumarols containing an Aroyl group. <i>South African Journal of Chemistry</i> , <b>2015</b> , 68,	1.8	3
162	In Situ and Simultaneous Synthesis of a Novel Graphene-Based Catalyst for Deep Hydrodesulfurization of Naphtha. <i>Catalysis Letters</i> , <b>2015</b> , 145, 1660-1672	2.8	16
161	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 &amp; Engineering Chemistry Research</i> , <b>2015</b> , 54, 7591-7603	3.9	25
160	Schiff Base Complex Method for the Preparation of Fullerene-Based Ni Nanocatalyst Used in the Hydrogenation of Benzene in Gasoline. <i>Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry</i> , <b>2015</b> , 45, 1701-1709		1
159	A Modeling Study by Response Surface Methodology (RSM) and Artificial Neural Network (ANN) on Nitrobenzene Hydrogenation Optimization Using Rh Nanocatalyst. <i>Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry</i> , <b>2015</b> , 45, 1580-1590		1
158	A Green Synthesis of Substituted Coumarins Using Nano Graphene Oxide as Recyclable Catalyst. <i>Journal of the Chinese Chemical Society</i> , <b>2015</b> , 62, 389-392	1.5	28
157	Fenton regeneration of humic acid-spent carbon nanotubes. <i>Desalination and Water Treatment</i> , <b>2015</b> , 54, 2490-2495		13
156	A novel selective H <sub>2</sub> S sensor using dodecylamine and ethylenediamine functionalized graphene oxide. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2015</b> , 29, 97-103	6.3	34
155	Selective hydrogen sulfide (H <sub>2</sub> S) sensors based on molybdenum trioxide (MoO <sub>3</sub> ) nanoparticle decorated reduced graphene oxide. <i>Materials Science in Semiconductor Processing</i> , <b>2015</b> , 38, 93-100	4.3	59
154	Fabrication and characterization of a polysulfone-graphene oxide nanocomposite membrane for arsenate rejection from water. <i>Journal of Environmental Health Science &amp; Engineering</i> , <b>2015</b> , 13, 61	2.9	130
153	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> , <b>2015</b> , 5, 93347-93359	3.7	24
152	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> , <b>2015</b> , 36, 660-671	2.3	27
151	Performance evaluation and nanofluid using capability study of a solar parabolic trough collector. <i>Energy Conversion and Management</i> , <b>2015</b> , 89, 368-375	10.6	190
150	Effects of functionalization and catalyst treatments on selective behavior of multi-walled carbon nanotube-supported palladium catalysts in hydrogenation of acetylene. <i>Research on Chemical Intermediates</i> , <b>2015</b> , 41, 1023-1034	2.8	1



149	A novel soluble nano-catalysts in diesel/biodiesel fuel blends to improve diesel engines performance and reduce exhaust emissions. <i>Fuel</i> , <b>2015</b> , 139, 374-382	7.1	198
148	Morphological investigations of nanostructured V <sub>2</sub> O <sub>5</sub> over graphene used for the ODHP reaction: from synthesis to physiochemical evaluations. <i>Catalysis Science and Technology</i> , <b>2015</b> , 5, 910-924	5.5	49
147	Application of palladium supported on functionalized MWNTs for oxidative desulfurization of naphtha. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2015</b> , 22, 179-184	6.3	15
146	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> , <b>2015</b> , 22, 8-18	6.3	50
145	On-line micro column preconcentration system based on amino bimodal mesoporous silica nanoparticles as a novel adsorbent for removal and speciation of chromium (III, VI) in environmental samples. <i>Journal of Environmental Health Science &amp; Engineering</i> , <b>2015</b> , 13, 47	2.9	13
144	Ultrafiltration of natural organic matter from water by vertically aligned carbon nanotube membrane. <i>Journal of Environmental Health Science &amp; Engineering</i> , <b>2015</b> , 13, 51	2.9	32
143	A New Practical Route to ZSM-5 Nanoparticles and Optimization of Synthetic Parameters through D-optimal Design of Experiments. <i>Journal of the Chinese Chemical Society</i> , <b>2015</b> , 62, 817-825	1.5	6
142	Application of genetic-fuzzy approach for estimation of nano ZSM-5 crystallinity. <i>Materials Letters</i> , <b>2015</b> , 150, 39-43	3.3	7
141	Synthesis of carbon nanotube-supported metallo carboxyporphyrin as a novel nanocatalyst for the mercaptan removal. <i>Journal of Natural Gas Science and Engineering</i> , <b>2015</b> , 25, 103-109	4.6	25
140	Enhanced methanol electro-oxidation reaction on Pt-CoO <sub>x</sub> /MWCNTs hybrid electro-catalyst. <i>Applied Surface Science</i> , <b>2015</b> , 335, 55-64	6.7	17
139	Ultrasound-assisted dispersive solid phase extraction of cadmium(II) and lead(II) using a hybrid nano-adsorbent composed of graphene and the zeolite clinoptilolite. <i>Mikrochimica Acta</i> , <b>2015</b> , 182, 1263-1272	5.8	39
138	Graphene oxide-packed micro-column solid-phase extraction combined with flame atomic absorption spectrometry for determination of lead (II) and nickel (II) in water samples. <i>International Journal of Environmental Analytical Chemistry</i> , <b>2015</b> , 95, 16-32	1.8	16
137	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> , <b>2015</b> , 12, 3097-3108	1.4	29
136	Effects of Process Parameters on the Size of Nanostructure Magnesium Oxide Synthesized by a Surfactant and Ligand Assisted Wet Chemical Method. <i>Crystal Structure Theory and Applications</i> , <b>2015</b> , 04, 28-34	0.3	1
135	Palladium in nanocatalysts in high concentration acetylene hydrogenation: A novel deactivation mechanism. <i>Fuel Processing Technology</i> , <b>2014</b> , 120, 113-122	7.2	15
134	Functional group effect on carbon nanotube (CNT)-supported cobalt catalysts in Fischer-Tropsch synthesis activity, selectivity and stability. <i>Fuel</i> , <b>2014</b> , 117, 1045-1051	7.1	43
133	Effects of surface modification on the dispersion and thermal conductivity of CNT/water nanofluids. <i>International Communications in Heat and Mass Transfer</i> , <b>2014</b> , 54, 1-7	5.8	62
132	Physical and mechanical properties of graphene oxide/polyethersulfone nanocomposites. <i>Polymers for Advanced Technologies</i> , <b>2014</b> , 25, 322-328	3.2	33



131	An investigation of the oxidative dehydrogenation of propane kinetics over a vanadium-graphene catalyst aiming at minimizing of the CO <sub>x</sub> species. <i>Chemical Engineering Journal</i> , <b>2014</b> , 250, 14-24	14.7	47
130	Study of effective parameters in the Fischer Tropsch synthesis using monolithic CNT supported cobalt catalysts. <i>Fuel</i> , <b>2014</b> , 132, 27-35	7.1	14
129	Mercaptan removal from natural gas using carbon nanotube supported cobalt phthalocyanine nanocatalyst. <i>Journal of Natural Gas Science and Engineering</i> , <b>2014</b> , 18, 439-445	4.6	26
128	Preparation of Co/Mo supported multi-wall carbon nanotube for hydrocracking of extra heavy oil. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2014</b> , 20, 4298-4303	6.3	14
127	Graphene oxide nanosheets promoted regioselective and green synthesis of new dicoumarols. <i>RSC Advances</i> , <b>2014</b> , 4, 17891-17895	3.7	34
126	Convective heat transfer enhancement of graphene nanofluids in shell and tube heat exchanger. <i>Experimental Thermal and Fluid Science</i> , <b>2014</b> , 53, 136-141	3	143
125	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> , <b>2014</b> , 20, 2236-2247	6.3	41
124	Water and wastewater treatment from BTEX by carbon nanotubes and Nano-Fe. <i>Water Resources</i> , <b>2014</b> , 41, 719-727	0.9	16
123	The study of structural properties of carbon nanotubes decorated with NiFeO <sub>2</sub> nanoparticles and application of nano-composite thin film as H <sub>2</sub> gas sensor. <i>Materials Science and Engineering C</i> , <b>2014</b> , 44, 417-21	8.3	18
122	Mixed templates application in ZSM-5 nanoparticles synthesis: Effect on the size, crystallinity, and surface area. <i>Advanced Powder Technology</i> , <b>2014</b> , 25, 1767-1771	4.6	21
121	Evaluation of CO <sub>2</sub> adsorption with eucalyptus wood based activated carbon modified by ammonia solution through heat treatment. <i>Chemical Engineering Journal</i> , <b>2014</b> , 254, 503-513	14.7	152
120	Enhanced thermal conductivities of graphene oxide nanofluids. <i>International Communications in Heat and Mass Transfer</i> , <b>2014</b> , 57, 128-131	5.8	128
119	Neural network and genetic algorithm for modeling and optimization of effective parameters on synthesized ZSM-5 particle size. <i>Materials Letters</i> , <b>2014</b> , 136, 138-140	3.3	15
118	Numerical and experimental investigation of heat transfer behavior in a round tube with the special conical ring inserts. <i>Energy Conversion and Management</i> , <b>2014</b> , 88, 214-217	10.6	17
117	Investigating the rheological properties of nanofluids of water/hybrid nanostructure of spherical silica/MWCNT. <i>Thermochimica Acta</i> , <b>2014</b> , 578, 53-58	2.9	70
116	Enhanced methanol electro-oxidation activity of Pt/MWCNTs electro-catalyst using manganese oxide deposited on MWCNTs. <i>Electrochimica Acta</i> , <b>2014</b> , 147, 192-200	6.7	34
115	Mesoporous catalyst of Co/MWCNTs as an effective catalyst in toluene hydrogenation and data analysis using response surface methodology (RSM). <i>Materials Letters</i> , <b>2014</b> , 126, 253-258	3.3	3
114	Preparation of highly stable bimetallic Ni/Cu catalyst for simultaneous production of hydrogen and fish-bone carbon nanofibers: Optimization, effect of catalyst preparation methods and deactivation. <i>International Journal of Hydrogen Energy</i> , <b>2014</b> , 39, 7765-7779	6.7	9

113	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> , <b>2014</b> , 20, 4054-4058	6.3	23
112	Development of a structured monolithic support with a CNT washcoat for the naphtha HDS process. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , <b>2014</b> , 45, 887-895	5.3	11
111	Adsorptive removal of CO <sub>2</sub> on highly microporous activated carbons prepared from Eucalyptus camaldulensis wood: Effect of chemical activation. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , <b>2014</b> , 45, 579-588	5.3	116
110	Preparation and mechanical properties of graphene oxide: cement nanocomposites. <i>Scientific World Journal, The</i> , <b>2014</b> , 2014, 276323	2.2	127
109	Synthesis of Zinc-Organic Frameworks Nano Adsorbent and their Application for Methane Adsorption. <i>Journal of Chemical Engineering &amp; Process Technology</i> , <b>2014</b> , 05,		5
108	Enhanced oxygen transfer rate and bioprocess yield by using magnetite nanoparticles in fermentation media of erythromycin. <i>DARU, Journal of Pharmaceutical Sciences</i> , <b>2014</b> , 22, 66	3.9	5
107	Cooling performance of a nanofluid flow in a heat sink microchannel with axial conduction effect. <i>Applied Physics A: Materials Science and Processing</i> , <b>2014</b> , 117, 1821-1833	2.6	37
106	Application of D-optimal experimental design in nano-sized ZSM-5 synthesis for obtaining higher crystallinity. <i>Crystal Research and Technology</i> , <b>2014</b> , 49, 366-375	1.3	16
105	Preparation and application of oyster shell supported zero valent nano scale iron for removal of natural organic matter from aqueous solutions. <i>Journal of Environmental Health Science &amp; Engineering</i> , <b>2014</b> , 12, 146	2.9	11
104	Preparation and application of carbon nanotube nanofluid as a reinforcement of cement slurry. <i>Advances in Cement Research</i> , <b>2014</b> , 26, 177-184	1.8	8
103	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> , <b>2014</b> , 20, 1720-1726	6.3	29
102	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> , <b>2014</b> , 20, 2594-2602	6.3	80
101	An investigation of electrochemical behavior of nanofluids containing MWCNT on the corrosion rate of carbon steel. <i>Materials Research Bulletin</i> , <b>2013</b> , 48, 4438-4443	5.1	14
100	Fabrication and Evaluation of Non-porous Graphene by a Unique Spray Pyrolysis Method. <i>Chemical Engineering and Technology</i> , <b>2013</b> , 36, 1550-1558	2	6
99	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> , <b>2013</b> , 299, 321-335	7.3	86
98	Electromechanical Properties of Vertically Aligned Carbon Nanotube. <i>Advanced Materials Research</i> , <b>2013</b> , 705, 332-336	0.5	10
97	Investigation of the anti-wear properties of nano additives on sliding bearings of internal combustion engines. <i>International Journal of Precision Engineering and Manufacturing</i> , <b>2013</b> , 14, 805-809	1.7	17
96	Experimental evaluation of engine oil properties containing copper oxide nanoparticles as a nanoadditive. <i>International Journal of Industrial Chemistry</i> , <b>2013</b> , 4, 28	3.1	42

95	An improved method for the purification of fullerene from fullerene soot with activated carbon, celite, and silica gel stationary phases. <i>Journal of Nanostructure in Chemistry</i> , <b>2013</b> , 3, 1	7.6	15
94	Continuous adsorption of natural organic matters in a column packed with carbon nanotubes. <i>Journal of Environmental Health Science &amp; Engineering</i> , <b>2013</b> , 11, 14	2.9	13
93	Preparation of a new adsorbent from activated carbon and carbon nanofiber (AC/CNF) for manufacturing organic-vacbpour respirator cartridge. <i>Iranian Journal of Environmental Health Science &amp; Engineering</i> , <b>2013</b> , 10, 15		21
92	Thermal and rheological properties of oil-based nanofluids from different carbon nanostructures. <i>International Communications in Heat and Mass Transfer</i> , <b>2013</b> , 48, 178-182	5.8	74
91	The effect of functionalisation method on the stability and the thermal conductivity of nanofluid hybrids of carbon nanotubes/gamma alumina. <i>Ceramics International</i> , <b>2013</b> , 39, 3885-3891	5.1	127
90	Preparation and Characterization of Carbon Nanotubes Supported Ni2P for Hydrodesulfurization (HDS) of Naphtha. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , <b>2013</b> , 188, 1254-1261	1	2
89	O/W emulsions stabilized with Alumina nanostructures for chemical enhanced oil recovery. <i>Materials Research Bulletin</i> , <b>2013</b> , 48, 2186-2190	5.1	13
88	Sunlight absorbing potential of carbon nanoball water and ethylene glycol-based nanofluids. <i>Optics and Spectroscopy (English Translation of Optika I Spektroskopiya)</i> , <b>2013</b> , 115, 400-405	0.7	14
87	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> , <b>2013</b> , 393, 291-9	9.3	28
86	Synthesis and characterization of multiwall carbon nanotubes/alumina nanohybrid-supported cobalt catalyst in Fischer-Tropsch synthesis. <i>Journal of Energy Chemistry</i> , <b>2013</b> , 22, 582-590	12	15
85	Comprehensive study of nanostructured supports with high surface area for Fischer-Tropsch synthesis. <i>Journal of Energy Chemistry</i> , <b>2013</b> , 22, 573-581	12	6
84	Effects of surfactants, solvents and time on the morphology of MgO nanoparticles prepared by the wet chemical method. <i>Materials Letters</i> , <b>2013</b> , 109, 269-274	3.3	28
83	Synthesis of Nano Structured Membrane from Carbon Nanotube for Waste Water Treatment. <i>Advanced Materials Research</i> , <b>2013</b> , 829, 386-390	0.5	2
82	Synthesis of MnOx/Oxidized-MWNTs for Abatement of Nitrogen Oxides. <i>Catalysis Letters</i> , <b>2013</b> , 143, 184-192	2.8	12
81	Preparation of nanostructured activated alumina and hybrid alumina/silica by chemical precipitation for natural gas dehydration. <i>Microporous and Mesoporous Materials</i> , <b>2013</b> , 182, 117-121	5.3	8
80	SMFs-supported Pd nanocatalysts in selective acetylene hydrogenation: Pore structure-dependent deactivation mechanism. <i>Journal of Energy Chemistry</i> , <b>2013</b> , 22, 717-725	12	7
79	Investigation of H2S separation from H2S/CH4 mixtures using functionalized and non-functionalized vertically aligned carbon nanotube membranes. <i>Applied Surface Science</i> , <b>2013</b> , 270, 115-123	6.7	23
78	Experimental investigation of laminar convective heat transfer and pressure drop of water-based Al2O3 nanofluids in fully developed flow regime. <i>Experimental Thermal and Fluid Science</i> , <b>2013</b> , 44, 483-489	2	146

77	Facile synthesis of carbon nanotube/nanofiber paper on a water-soluble support in one-step by chemical vapor deposition. <i>Chemical Engineering Journal</i> , <b>2013</b> , 221, 159-165	14.7	9
76	Synthesize and characterization of graphene nanosheets with high surface area and nano-porous structure. <i>Applied Surface Science</i> , <b>2013</b> , 276, 672-681	6.7	69
75	Preparation of highly active manganese oxides supported on functionalized MWNTs for low temperature NOx reduction with NH3. <i>Applied Surface Science</i> , <b>2013</b> , 279, 250-259	6.7	60
74	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> , <b>2013</b> , 46, 142-147	5.8	146
73	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> , <b>2013</b> , 42, 89-94	5.8	86
72	Vanadium Pentoxide Catalyst over Carbon-Based Nanomaterials for the Oxidative Dehydrogenation of Propane. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2013</b> , 52, 16128-16141	3.9	37
71	Amidation of multiwalled carbon nanotubes in mild and efficient conditions. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2013</b> , 13, 1923-6	1.3	5
70	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> , <b>2013</b> , 13, 273-285	1.4	26
69	Fixed-Bed Multi-Tubular Reactors for Oxidative Dehydrogenation in Ethylene Process. <i>Chemical Engineering and Technology</i> , <b>2013</b> , 36, 1691-1700	2	30
68	Adsorption of reactive blue 29 dye from aqueous solution by multiwall carbon nanotubes. <i>Desalination and Water Treatment</i> , <b>2013</b> , 51, 7655-7662		31
67	Predicting the impact of multiwalled carbon nanotubes on the cement hydration products and durability of cementitious matrix using artificial neural network modeling technique. <i>Scientific World Journal, The</i> , <b>2013</b> , 2013, 103713	2.2	4
66	The effect of nanosilica on the physical properties of oil well cement. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2012</b> , 538, 288-294	5.3	100
65	Cobalt supported on CNTs-covered and nano-structured alumina catalysts utilized for wax selective Fischer-Tropsch synthesis. <i>Journal of Natural Gas Chemistry</i> , <b>2012</b> , 21, 713-721		4
64	Preparation and Characterization of Co-Mo Catalyst Supported on CNT Coated Cordierite Monoliths Utilized for Naphta HDS Process. <i>Procedia Engineering</i> , <b>2012</b> , 42, 1484-1492		18
63	Emission of carbon nanofiber (CNF) from CNF-containing composite adsorbents. <i>Journal of Occupational and Environmental Hygiene</i> , <b>2012</b> , 9, D130-5	2.9	5
62	Separation of methane/nitrogen mixtures using synthesis vertically aligned carbon nanotube membranes. <i>Applied Surface Science</i> , <b>2012</b> , 258, 4819-4825	6.7	25
61	Preparation of nanosensors based on organic functionalized MWCNT for H2S detection. <i>Applied Surface Science</i> , <b>2012</b> , 259, 159-165	6.7	26
60	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> , <b>2012</b> , 39, 1272-1278	5.8	82

59	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> , <b>2012</b> , 263, 513-522	6.7	24
58	Synthesis of spherical silica/multiwall carbon nanotubes hybrid nanostructures and investigation of thermal conductivity of related nanofluids. <i>Thermochimica Acta</i> , <b>2012</b> , 549, 87-94	2.9	155
57	Particle size control effect on activity and selectivity of functionalized CNT-supported cobalt catalyst in Fischer-Tropsch synthesis. <i>Korean Journal of Chemical Engineering</i> , <b>2012</b> , 29, 1516-1524	2.8	13
56	Synthesis of carbon nanofibres over nanoporous NiMgO catalyst: influence of the bimetallic Ni(Cu, Co, Mo) MgO catalysts. <i>Journal of Experimental Nanoscience</i> , <b>2012</b> , 7, 160-173	1.9	11
55	Synthesis of hybrid nano-adsorbent for separation of hydrogen from methane. <i>Chemical Engineering Journal</i> , <b>2012</b> , 183, 510-514	14.7	5
54	Hydrogen sulfide sensing properties of multi walled carbon nanotubes. <i>Ceramics International</i> , <b>2012</b> , 38, 65-75	5.1	17
53	Microstructural features of nanocomposite of alumina@carbon nanotubes/alumina nanoparticles synthesized by a solvothermal method. <i>Ceramics International</i> , <b>2012</b> , 38, 3991-3998	5.1	7
52	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> , <b>2012</b> , 39, 108-111	5.8	98
51	Effect of CNT structures on thermal conductivity and stability of nanofluid. <i>International Journal of Heat and Mass Transfer</i> , <b>2012</b> , 55, 1529-1535	4.9	164
50	Cooperative effect of gold nanoparticles with CUS aluminium from nanoalumina support in the catalysis of an electron transfer reaction. <i>Applied Catalysis A: General</i> , <b>2012</b> , 417-418, 129-136	5.1	7
49	Monoaromatic Pollutant Removal by Carbon Nanotubes from Aqueous Solution. <i>Advanced Materials Research</i> , <b>2012</b> , 488-489, 934-939	0.5	4
48	Ethylbenzene removal by carbon nanotubes from aqueous solution. <i>Journal of Environmental and Public Health</i> , <b>2012</b> , 2012, 817187	2.6	24
47	Benzene and Toluene Removal by Carbon Nanotubes from Aqueous Solution. <i>Archives of Environmental Protection</i> , <b>2012</b> , 38,		14
46	Effect of functionalized carbon nanotubes on the synthesis of hydroxyapatite nanoparticles. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2011</b> , 11, 5423-8	1.3	4
45	Modification of Carbon Nanotubes for H <sub>2</sub> S Sorption. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2011</b> , 50, 8050-8057	3.9	26
44	A high performance multi-walled carbon nanotube-supported palladium catalyst in selective hydrogenation of acetylene-ethylene mixtures. <i>Applied Catalysis A: General</i> , <b>2011</b> , 399, 184-190	5.1	31
43	Solubilization of multi walled carbon nanotubes under a facile and mild condition. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2011</b> , 11, 8903-6	1.3	12
42	Growth of single-walled carbon nanotubes on a CoMoMgO supported catalyst by the CVD of methane in a fixed bed reactor: Model setting and parameter estimation. <i>Solid State Sciences</i> , <b>2011</b> , 13, 1242-1250	3.4	11



41	Naphtha hydrodesulfurization over micro and nanostructure MoO <sub>3</sub> catalysts. <i>Scientia Iranica</i> , <b>2011</b> , 18, 479-485	1.5	8
40	Mass production of multi-wall carbon nanotubes by metal dusting process with high yield. <i>Materials Research Bulletin</i> , <b>2011</b> , 46, 716-721	5.1	14
39	Production of single-walled carbon nanotubes from methane over Co-Mo/MgO nanocatalyst: A comparative study of fixed and fluidized bed reactors. <i>Journal of Natural Gas Chemistry</i> , <b>2011</b> , 20, 372-376		15
38	Nanoporous carbons as promising novel methane adsorbents for natural gas technology. <i>Journal of Natural Gas Chemistry</i> , <b>2011</b> , 20, 664-668		4
37	Nanoclays as nano adsorbent for oxidation of H <sub>2</sub> S into elemental sulfur. <i>Korean Journal of Chemical Engineering</i> , <b>2011</b> , 28, 1221-1226	2.8	6
36	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> , <b>2011</b> , 60, 475-482	3.3	83
35	Effect of dispersion method on thermal conductivity and stability of nanofluid. <i>Experimental Thermal and Fluid Science</i> , <b>2011</b> , 35, 717-723	3	127
34	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> , <b>2011</b> , 38, 513-517	5.8	62
33	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> , <b>2011</b> , 38, 668-671	5.8	27
32	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> , <b>2011</b> , 38, 984-989	5.8	4
31	Facile method for the preparation of the WS <sub>2</sub> nanoparticles. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2010</b> , 10, 6128-30	1.3	1
30	Synthesis optimisation and characterisation of multiwalled carbon nanotubes produced by spray pyrolysis of hexane. <i>Materials Science and Technology</i> , <b>2010</b> , 26, 1191-1196	1.5	5
29	Effect of suitable surfactant on the large scale preparation of WO <sub>3</sub> nanorods for the synthesis of WS <sub>2</sub> nanoparticles. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2010</b> , 10, 5981-5	1.3	2
28	Synthesis and characterization of MoO <sub>3</sub> nanostructures by solution combustion method employing morphology and size control. <i>Journal of Nanoparticle Research</i> , <b>2010</b> , 12, 1509-1521	2.3	56
27	Support effects on the chemical property and catalytic activity of Co-Mo HDS catalyst in sulfur recovery. <i>Journal of Natural Gas Chemistry</i> , <b>2010</b> , 19, 91-95		24
26	Synthesis of SWNTs over nanoporous Co-Mo/MgO and using as a catalyst support for selective hydrogenation of syngas to hydrocarbon. <i>Journal of Natural Gas Chemistry</i> , <b>2010</b> , 19, 548-551		3
25	A model for thermal conductivity of nanofluids. <i>Materials Chemistry and Physics</i> , <b>2010</b> , 123, 639-643	4.4	12
24	Fractal Geometry Approach to Describe Mesostructured Boehmite and Gamma-Alumina Nanorods. <i>European Journal of Inorganic Chemistry</i> , <b>2010</b> , 2010, 1544-1551	2.3	26



23	Numerical study of forced convective heat transfer of Nanofluids: Comparison of different approaches. <i>International Communications in Heat and Mass Transfer</i> , <b>2010</b> , 37, 74-78	5.8	259
22	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> , <b>2010</b> , 37, 319-323	5.8	76
21	Simple model for thermal conductivity of nanofluids using resistance model approach. <i>International Communications in Heat and Mass Transfer</i> , <b>2010</b> , 37, 555-559	5.8	21
20	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> , <b>2010</b> , 37, 717-723	5.8	100
19	An estimation for velocity and temperature profiles of nanofluids in fully developed turbulent flow conditions. <i>International Communications in Heat and Mass Transfer</i> , <b>2010</b> , 37, 895-900	5.8	15
18	Modification of single wall carbon nanotubes (SWNT) for hydrogen storage. <i>International Journal of Hydrogen Energy</i> , <b>2010</b> , 35, 9489-9495	6.7	63
17	Kinetics of methane decomposition to CO <sub>x</sub> -free hydrogen and carbon nanofiber over NiCu/MgO catalyst. <i>International Journal of Hydrogen Energy</i> , <b>2010</b> , 35, 9479-9488	6.7	46
16	Increasing the octane number of gasoline using functionalized carbon nanotubes. <i>Applied Surface Science</i> , <b>2010</b> , 256, 3472-3477	6.7	31
15	Adsorption of 2-nitrophenol by multi-wall carbon nanotubes from aqueous solutions. <i>Applied Surface Science</i> , <b>2010</b> , 256, 4447-4455	6.7	132
14	Study of the Rod-Like and spherical nano-ZnO morphology on H <sub>2</sub> S removal from natural gas. <i>Applied Surface Science</i> , <b>2010</b> , 257, 434-439	6.7	38
13	Efficient and facile one pot carboxylation of multiwalled carbon nanotubes by using oxidation with ozone under mild conditions. <i>Applied Surface Science</i> , <b>2009</b> , 256, 631-635	6.7	52
12	Preparation of nanofilter from carbon nanotubes for application in virus removal from water. <i>Desalination</i> , <b>2009</b> , 238, 271-280	10.3	78
11	Crystallisation behaviour and morphological characteristics of poly(propylene)/multi-walled carbon nanotube nanocomposites. <i>Journal of Experimental Nanoscience</i> , <b>2009</b> , 4, 21-34	1.9	19
10	Conduction heat transfer characteristics and dispersion behaviour of carbon nanofluids as a function of different parameters. <i>Journal of Experimental Nanoscience</i> , <b>2009</b> , 4, 347-363	1.9	41
9	Shape and size-controlled fabrication of ZnO nanostructures using novel templates. <i>Journal of Experimental Nanoscience</i> , <b>2009</b> , 4, 35-45	1.9	13
8	Modeling and preparation of activated carbon for methane storage II. Neural network modeling and experimental studies of the activated carbon preparation. <i>Energy Conversion and Management</i> , <b>2008</b> , 49, 2478-2482	10.6	11
7	Modeling and preparation of activated carbon for methane storage I. Modeling of activated carbon characteristics with neural networks and response surface method. <i>Energy Conversion and Management</i> , <b>2008</b> , 49, 2471-2477	10.6	21
6	The effects of temperature, volume fraction and vibration time on the thermo-physical properties of a carbon nanotube suspension (carbon nanofluid). <i>Nanotechnology</i> , <b>2008</b> , 19, 315701	3.4	138

5	Rheological and Mechanical Characterization of Multi-Walled Carbon Nanotubes/Polypropylene Nanocomposites. <i>Journal of Macromolecular Science - Physics</i> , <b>2008</b> , 47, 1176-1187	1.4	31
4	Single-wall carbon nanotubes synthesized using organic additives to CoMo catalysts supported on nanoporous MgO. <i>Nanotechnology</i> , <b>2007</b> , 18, 315605	3.4	70
3	Use of Grape Leaves for Producing Graphene for Use as an Oxygen Reduction Electrocatalyst. <i>International Journal of Electrochemical Science</i> , 4754-4773	2.2	2
2	Enhanced gas adsorption using an effective nanoadsorbent with high surface area based on waste jute as cellulose fiber. <i>Biomass Conversion and Biorefinery</i> , 1	2.3	1
1	Hybrids carbon quantum dots as new nanofluids for heat transfer enhancement in wet cooling towers. <i>Heat and Mass Transfer</i> , 1	2.2	2