

# Tawfik A Saleh

## 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.

325  
papers

21,202  
citations

68  
h-index

138  
g-index

339  
ext. papers

25,074  
ext. citations

6.2  
avg, IF

8.48  
L-index

#	Paper	IF	Citations
325	Molybdenum boron based catalysts loaded on MnO alumina support for hydrodesulfurization of dibenzothiophene. <i>Inorganic Chemistry Communication</i> , <b>2022</b> , 109237	3.1	3
324	Experimental and analytical methods for testing inhibitors and fluids in water-based drilling environments. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2022</b> , 149, 116543	14.6	17
323	Advanced trends of shale inhibitors for enhanced properties of water-based drilling fluid. <i>Upstream Oil and Gas Technology</i> , <b>2022</b> , 8, 100069	1.4	13
322	Melamine-modified polyacrylic grafted on activated carbon and its efficiency for shale inhibition. <i>Upstream Oil and Gas Technology</i> , <b>2022</b> , 8, 100065	1.4	3
321	In-situ sunlight-driven tuning of photo-induced electron-hole generation and separation rates in bismuth oxychlorobromide for highly efficient water decontamination under visible light irradiation.. <i>Journal of Colloid and Interface Science</i> , <b>2022</b> , 614, 58-65	9.3	3
320	Hydrophobic and oleophilic amine-functionalised graphene/polyethylene nanocomposite for oil-water separation. <i>Environmental Technology and Innovation</i> , <b>2022</b> , 27, 102391	7	1
319	Water treatment technologies in removing heavy metal ions from wastewater: A review. <i>Environmental Nanotechnology, Monitoring and Management</i> , <b>2022</b> , 17, 100617	3.3	14
318	Novel Z-scheme binary zinc tungsten oxide/nickel ferrite nanohybrids for photocatalytic reduction of chromium (Cr (VI)), photoelectrochemical water splitting and degradation of toxic organic pollutants. <i>Journal of Hazardous Materials</i> , <b>2022</b> , 423, 127044	12.8	21
317	Nanofiltration Membrane with High Flux and Oil Rejection Using Graphene Oxide/ $\beta$ -Cyclodextrin for Produced Water Reuse. <i>Materials Today Communications</i> , <b>2022</b> , 103438	2.5	1
316	Facile Preparation of Supported Copper-modified SBA-15 Catalysts for efficient Benzaldehyde Hydrogenation. <i>Surfaces and Interfaces</i> , <b>2022</b> , 101955	4.1	
315	Atomistic simulation of polymer-cement interactions: Progress and research challenges. <i>Construction and Building Materials</i> , <b>2022</b> , 327, 126881	6.7	1
314	NMR evidence for hydrogen bonding stabilized anti conformation of 1-methoxy-1-methyl-3-phenylurea and the concentration detection by SERS. <i>Journal of Molecular Liquids</i> , <b>2022</b> , 119096	6	2
313	Intelligent modeling of dye removal by aluminized activated carbon.. <i>Environmental Science and Pollution Research</i> , <b>2022</b> , 1	5.1	1
312	Technological trends in nanosilica synthesis and utilization in advanced treatment of water and wastewater.. <i>Environmental Science and Pollution Research</i> , <b>2022</b> , 1	5.1	0
311	Synthesis, structural and dielectric properties of Mg/Zn ferrites -PVA nanocomposites. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , <b>2022</b> , 280, 115689	3.1	1
310	Mercury Removal from Water Using a Novel Composite of Polyacrylate-Modified Carbon.. <i>ACS Omega</i> , <b>2022</b> , 7, 14820-14831	3.9	2
309	Design and manufacturing of a novel thin-film composite membrane based on polyamidoamine-grafted graphene nanosheets for water treatment. <i>Journal of Water Process Engineering</i> , <b>2022</b> , 47, 102770	6.7	3

308	Multiobjectives optimization in petroleum refinery catalytic desulfurization using Machine learning approach. <i>Fuel</i> , <b>2022</b> , 322, 124088	7.1	2
307	Azo-Linked Porous Organic Polymers for Selective Carbon Dioxide Capture and Metal Ion Removal. <i>ACS Omega</i> , <b>2022</b> , 7, 14535-14543	3.9	0
306	Global trends in technologies and nanomaterials for removal of sulfur organic compounds: Clean energy and green environment. <i>Journal of Molecular Liquids</i> , <b>2022</b> , 119340	6	14
305	Spectroanalytical SERS-based detection of trace-level procainamide using green-synthesized gold nanoparticles. <i>Surfaces and Interfaces</i> , <b>2022</b> , 102059	4.1	0
304	Hydrophobic polymer-modified nanosilica as effective shale inhibitor for water-based drilling mud. <i>Journal of Petroleum Science and Engineering</i> , <b>2021</b> , 209, 109868	4.4	0
303	Development and characterization of polymer-modified vermiculite composite as novel highly-efficient adsorbent for water treatment. <i>Surfaces and Interfaces</i> , <b>2021</b> , 27, 101504	4.1	4
302	Facile fabrication of hydrophobic alkylamine intercalated graphene oxide as absorbent for highly effective oil-water separation. <i>Journal of Molecular Liquids</i> , <b>2021</b> , 325, 115057	6	20
301	Poly(acrylamide acrylic acid) grafted on steel slag as an efficient magnetic adsorbent for cationic and anionic dyes. <i>Journal of Environmental Chemical Engineering</i> , <b>2021</b> , 9, 105126	6.8	20
300	Advances in Carbon Nanostructures and Nanocellulose as Additives for Efficient Drilling Fluids: Trends and Future Perspectives A Review. <i>Energy &amp; Fuels</i> , <b>2021</b> , 35, 7319-7339	4.1	10
299	Ultrasonic-assisted synthesis of polythiophene-carbon nanotubes composites as supercapacitors. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2021</b> , 32, 16203-16214	2.1	5
298	Modified gold and polymeric gold nanostructures: Toxicology and biomedical applications. <i>Colloids and Interface Science Communications</i> , <b>2021</b> , 42, 100412	5.4	8
297	Smart advanced responsive materials, synthesis methods and classifications: from Lab to applications. <i>Journal of Polymer Research</i> , <b>2021</b> , 28, 1	2.7	6
296	Evaluation of poly(ethylene diamine-trimesoyl chloride)-modified diatomite as efficient adsorbent for removal of rhodamine B from wastewater samples. <i>Environmental Science and Pollution Research</i> , <b>2021</b> , 28, 55655-55666	5.1	4
295	Graphene oxide grafted with dopamine as an efficient corrosion inhibitor for oil well acidizing environments. <i>Surfaces and Interfaces</i> , <b>2021</b> , 24, 101046	4.1	2
294	Synthesis of amyl ester grafted on carbon-nanopolymer composite as an inhibitor for cleaner shale drilling. <i>Petroleum</i> , <b>2021</b> ,	4.1	5
293	A novel catalyst of nickel-loaded graphene decorated on molybdenum-alumina for the HDS of liquid fuels. <i>Chemical Engineering Journal</i> , <b>2021</b> , 406, 125167	14.7	26
292	Effective Dyeing of Cotton Fibers Using Cynomorium Coccineum L. Peel Extracts: Study of the Influential Factors Using Surface Response Methodology. <i>Journal of Natural Fibers</i> , <b>2021</b> , 18, 21-33	1.8	8
291	Carbon nanotube-incorporated alumina as a support for MoNi catalysts for the efficient hydrodesulfurization of thiophenes. <i>Chemical Engineering Journal</i> , <b>2021</b> , 404, 126987	14.7	74

290	A review on multicomponent reactions catalysed by zero-dimensional/one-dimensional titanium dioxide (TiO) nanomaterials: Promising green methodologies in organic chemistry. <i>Journal of Environmental Management</i> , <b>2021</b> , 279, 111603	7.9	11
289	Removal of alkanes by novel grassy cabbage microbuds prepared by an electrochemical method. <i>Chemical Engineering Journal</i> , <b>2021</b> , 407, 126216	14.7	5
288	Synthesis of a new thiophenol-thiophene polymer for the removal of mercury from wastewater and liquid hydrocarbons. <i>Journal of Colloid and Interface Science</i> , <b>2021</b> , 582, 428-438	9.3	15
287	Solar-Driven Fixation of Bismuth Oxyhalides on Reduced Graphene Oxide for Efficient Sunlight-Responsive Immobilized Photocatalytic Systems. <i>Advanced Materials Interfaces</i> , <b>2021</b> , 8, 2001463	4.6	29
286	Octanoate grafted graphene oxide as an effective inhibitor against oil well acidizing corrosion. <i>Journal of Molecular Liquids</i> , <b>2021</b> , 325, 115060	6	13
285	Synthesis of efficient stable dendrimer-modified carbon for cleaner drilling shale inhibition. <i>Journal of Environmental Chemical Engineering</i> , <b>2021</b> , 9, 104792	6.8	19
284	An Overview of Nanomaterials for Water Technology <b>2021</b> , 105-114		
283	Photochemically Produced Superhydrophobic Silane@polystyrene-Coated Polypropylene Fibrous Network for Oil/Water Separation. <i>Chemistry - an Asian Journal</i> , <b>2021</b> , 16, 329-341	4.5	1
282	The inhibition performance of a novel benzenesulfonamide-based benzoxazine compound in the corrosion of X60 carbon steel in an acidizing environment. <i>RSC Advances</i> , <b>2021</b> , 11, 7078-7095	3.7	6
281	N,N'-Bis-(2-aminoethyl)piperazine functionalized graphene oxide (NAEP-GO) as an effective green corrosion inhibitor for simulated acidizing environment. <i>Journal of Environmental Chemical Engineering</i> , <b>2021</b> , 9, 104967	6.8	16
280	Synthesis of a Novel Polymer-Assisted AlNiMn Nanomaterial for Efficient Removal of Sulfate Ions from Contaminated Water. <i>Journal of Polymers and the Environment</i> , <b>2021</b> , 29, 2840-2854	4.5	2
279	Enhanced efficiency of polyamide membranes by incorporating TiO <sub>2</sub> -Graphene oxide for water purification. <i>Journal of Molecular Liquids</i> , <b>2021</b> , 323, 114922	6	26
278	Electrochemically modulated SERS detection of procaine using FTO electrodes modified with silver-decorated carbon nanosphere. <i>Electrochimica Acta</i> , <b>2021</b> , 387, 138463	6.7	13
277	Modeling the Specific Surface Area of Doped Spinel Ferrite Nanomaterials Using Hybrid Intelligent Computational Method. <i>Journal of Nanomaterials</i> , <b>2021</b> , 2021, 1-13	3.2	2
276	Development and characterization of bentonite-gum arabic composite as novel highly-efficient adsorbent to remove thorium ions from aqueous media. <i>Cellulose</i> , <b>2021</b> , 28, 10321	5.5	5
275	Flow photocatalysis system-based functionalized graphene oxide-ZnO nanoflowers for degradation of a natural humic acid. <i>Environmental Science and Pollution Research</i> , <b>2021</b> , 1	5.1	1
274	Environmental risks and toxicity of surfactants: overview of analysis, assessment, and remediation techniques. <i>Environmental Science and Pollution Research</i> , <b>2021</b> , 28, 62085-62104	5.1	16
273	Molecular Simulation of Cement-based Materials and Their Properties: A Review. <i>Engineering</i> , <b>2021</b> ,	9.7	5

272	Poly (acrylamide acrylic acid)/Baghouse dust magnetic composite hydrogel as an efficient adsorbent for metals and MB; synthesis, characterization, mechanism, and statistical analysis. <i>Sustainable Chemistry and Pharmacy</i> , <b>2021</b> , 23, 100503	3.9	4
271	Synthesis of amine functionalization carbon nanotube-low symmetry porphyrin derivatives conjugates toward dye and metal ions removal. <i>Journal of Molecular Liquids</i> , <b>2021</b> , 340, 117024	6	13
270	A facile development of superhydrophobic and superoleophilic micro-textured functionalized mesh membrane for fast and efficient separation of oil from water. <i>Journal of Environmental Chemical Engineering</i> , <b>2021</b> , 9, 105825	6.8	5
269	Robust thermal performance of red-emitting phosphor composites for white light-emitting diodes: Energy transfer and oxygen-vacancy induced electronic localization. <i>Journal of Colloid and Interface Science</i> , <b>2021</b> , 600, 219-228	9.3	10
268	Enhanced efficiency of polyamide membranes by incorporating cyclodextrin-graphene oxide for water purification. <i>Journal of Molecular Liquids</i> , <b>2021</b> , 340, 116991	6	11
267	Surface-modified biopolymer as an environment-friendly shale inhibitor and swelling control agent. <i>Journal of Molecular Liquids</i> , <b>2021</b> , 342, 117275	6	7
266	Synthesis of novel CoO nanocubes-NiO octahedral hybrids for electrochemical energy storage supercapacitors. <i>Journal of Environmental Management</i> , <b>2021</b> , 298, 113484	7.9	2
265	Assessment of physicochemical characteristics in groundwater quality parameters. <i>Environmental Technology and Innovation</i> , <b>2021</b> , 24, 101877	7	2
264	Nanosilica modified with moringa extracts to get an efficient and cost-effective shale inhibitor in water-based drilling muds. <i>Chemical Engineering and Processing: Process Intensification</i> , <b>2021</b> , 168, 108589	3.7	3
263	Protocols for synthesis of nanomaterials, polymers, and green materials as adsorbents for water treatment technologies. <i>Environmental Technology and Innovation</i> , <b>2021</b> , 24, 101821	7	118
262	Fast and sensitive detection of Procainamide: Combined SERS and DFT modeling studies. <i>Journal of Molecular Liquids</i> , <b>2021</b> , 343, 117633	6	4
261	Principles and Advantages of Microwave-Assisted Methods for the Synthesis of Nanomaterials for Water Purification <b>2021</b> , 426-439		
260	Non-enzymatic electrochemical dopamine sensing probe based on hexagonal shape zinc-doped cobalt oxide (Zn-CoO) nanostructure.. <i>Mikrochimica Acta</i> , <b>2021</b> , 189, 37	5.8	2
259	Titania-nanorods modified carbon paste electrode for the sensitive voltammetric determination of BPA in exposed bottled water. <i>Sensing and Bio-Sensing Research</i> , <b>2020</b> , 30, 100391	3.3	8
258	Visible Light-Driven Photoelectrocatalytic Water Splitting Using Z-Scheme Ag-Decorated MoS <sub>2</sub> /RGO/NiWO <sub>4</sub> Heterostructure. <i>ACS Omega</i> , <b>2020</b> , 5, 31644-31656	3.9	9
257	Synthesis, characterization and evaluation of carbon nanofiber modified-polymer for ultra-removal of thorium ions from aquatic media. <i>Chemical Engineering Research and Design</i> , <b>2020</b> , 163, 76-84	5.5	26
256	Synthesis of carbon nanotubes grafted with copolymer of acrylic acid and acrylamide for phenol removal. <i>Environmental Nanotechnology, Monitoring and Management</i> , <b>2020</b> , 14, 100302	3.3	13
255	Eu, Sm Deep-Red Phosphors as Novel Materials for White Light-Emitting Diodes and Simultaneous Performance Enhancement of Organic-Inorganic Perovskite Solar Cells. <i>Small</i> , <b>2020</b> , 16, e2001551	11	33

254	Evaluation of the corrosion inhibition efficacy of <i>Cola acuminata</i> extract for low carbon steel in simulated acid pickling environment. <i>Environmental Science and Pollution Research</i> , <b>2020</b> , 27, 34270-34288	5.1	11
253	Interfacial polymerization of trimesoyl chloride with melamine and palygorskite for efficient uranium ions ultra-removal. <i>Chemical Engineering Research and Design</i> , <b>2020</b> , 159, 353-361	5.5	22
252	SERS-based trace-level quantification of sulindac: Spectroscopic and molecular modeling evaluation. <i>Journal of Molecular Liquids</i> , <b>2020</b> , 312, 113402	6	13
251	Recent trends in functionalized nanoparticles loaded polymeric composites: An energy application. <i>Materials Science for Energy Technologies</i> , <b>2020</b> , 3, 515-525	5.2	8
250	Partially aminated acrylic acid grafted activated carbon as inexpensive shale hydration inhibitor. <i>Carbohydrate Research</i> , <b>2020</b> , 491, 107960	2.9	30
249	Poly(2-hydroxyethyl methacrylate) grafted graphene oxide for cadmium removal from water with interaction mechanisms. <i>Environmental Nanotechnology, Monitoring and Management</i> , <b>2020</b> , 13, 100288	3.3	6
248	Efficient adsorbent derived from <i>Haloxylon recurvum</i> plant for the adsorption of acid brown dye: Kinetics, isotherm and thermodynamic optimization. <i>Surfaces and Interfaces</i> , <b>2020</b> , 20, 100510	4.1	20
247	Simultaneous adsorption of dye and toxic metal ions using an interfacially polymerized silica/polyamide nanocomposite: Kinetic and thermodynamic studies. <i>Journal of Molecular Liquids</i> , <b>2020</b> , 314, 113640	6	22
246	Trends in polymers functionalized nanostructures for analysis of environmental pollutants. <i>Trends in Environmental Analytical Chemistry</i> , <b>2020</b> , 26, e00084	12	30
245	Ca-alginate/carboxymethyl chitosan/Ni <sub>0.2</sub> Zn <sub>0.2</sub> Fe <sub>2.6</sub> O <sub>4</sub> magnetic bionanocomposite: Synthesis, characterization and application for single adsorption of Nd <sup>3+</sup> , Tb <sup>3+</sup> , and Dy <sup>3+</sup> rare earth elements from aqueous media. <i>Journal of Molecular Liquids</i> , <b>2020</b> , 306, 112760	6	27
244	Cetyltrimethylammonium modified graphene as a clean swelling inhibitor in water-based oil-well drilling mud. <i>Journal of Environmental Chemical Engineering</i> , <b>2020</b> , 8, 103802	6.8	23
243	Application of support vector regression and artificial neural network for prediction of specific heat capacity of aqueous nanofluids of copper oxide. <i>Solar Energy</i> , <b>2020</b> , 197, 485-490	6.8	22
242	Characterization, determination and elimination technologies for sulfur from petroleum: Toward cleaner fuel and a safe environment. <i>Trends in Environmental Analytical Chemistry</i> , <b>2020</b> , 25, e00080	12	165
241	The capacity of mesoporous fly ash grafted with ultrathin film of polydiallyldimethyl ammonium for enhanced removal of phenol from aqueous solutions. <i>Journal of Cleaner Production</i> , <b>2020</b> , 263, 121280	10.3	12
240	Zeolite-graphene composite as support for molybdenum-based catalysts and their hydrodesulfurization performance. <i>Applied Catalysis A: General</i> , <b>2020</b> , 598, 117542	5.1	20
239	Effect of ultrasonication and chelating agents on the dispersion of NiMo catalysts on carbon for Hydrodesulphurization. <i>Journal of Environmental Chemical Engineering</i> , <b>2020</b> , 8, 103811	6.8	10
238	Synthesis of CuFe <sub>2</sub> Er <sub>x</sub> O <sub>4</sub> nanoparticles and their magnetic, structural and dielectric properties. <i>Physica B: Condensed Matter</i> , <b>2020</b> , 588, 412176	2.8	7
237	Synthesis of silica nanoparticles grafted with copolymer of acrylic acrylamide for ultra-removal of methylene blue from aquatic solutions. <i>European Polymer Journal</i> , <b>2020</b> , 130, 109698	5.2	50

236	Advanced Desulfurization Technologies and Mechanisms. <i>Advances in Chemical and Materials Engineering Book Series</i> , <b>2020</b> , 1-24	0.2	0
235	Polymer Consumption, Environmental Concerns, Possible Disposal Options, and Recycling for Water Treatment <b>2020</b> , 971-989		
234	Scientific Insights Into Modified and Non-Modified Biomaterials for Sorption of Heavy Metals From Water <b>2020</b> , 807-827		0
233	Environmental Concerns and the Importance of Desulfurization. <i>Advances in Chemical and Materials Engineering Book Series</i> , <b>2020</b> , 284-294	0.2	
232	Highly Efficient Modified Activated Carbon as Shale Inhibitor for Water Based Drilling Mud Modification <b>2020</b> ,		4
231	Novel Porous Organic Polymer for the Concurrent and Selective Removal of Hydrogen Sulfide and Carbon Dioxide from Natural Gas Streams. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 47984-47992	2.5	12
230	A flexible biomimetic superhydrophobic and superoleophilic 3D macroporous polymer-based robust network for the efficient separation of oil-contaminated water.. <i>RSC Advances</i> , <b>2020</b> , 10, 5088-5097	3.7	15
229	The synergistic influence of polyethyleneimine-grafted graphene oxide and iodide for the protection of steel in acidizing conditions.. <i>RSC Advances</i> , <b>2020</b> , 10, 17739-17751	3.7	16
228	Highly efficient solar light-driven photocatalytic hydrogen production over Cu/FCNTs-titania quantum dots-based heterostructures. <i>Journal of Environmental Management</i> , <b>2020</b> , 254, 109747	7.9	86
227	Influence of planting distance and density on the yield and photosynthetic traits of sweet potato ( <i>Ipomoea balatas</i> L.) under an intercropping system with walnut ( <i>Juglans regia</i> ) saplings. <i>Soil and Tillage Research</i> , <b>2020</b> , 196, 104484	6.5	11
226	Pseudobactins bounded iron nanoparticles for control of an antibiotic-resistant <i>Pseudomonas aeruginosa</i> ryn32. <i>Biotechnology Progress</i> , <b>2020</b> , 36, e2907	2.8	14
225	Evaluation of carbonized waste tire for development of novel shape stabilized composite phase change material for thermal energy storage. <i>Waste Management</i> , <b>2020</b> , 103, 352-360	8.6	21
224	Carbon nanofiber-doped zeolite as support for molybdenum based catalysts for enhanced hydrodesulfurization of dibenzothiophene. <i>Journal of Molecular Liquids</i> , <b>2020</b> , 304, 112376	6	20
223	Removal of toxic metals from wastewater in constructed wetlands as a green technology; catalyst role of substrates and chelators. <i>Ecotoxicology and Environmental Safety</i> , <b>2020</b> , 189, 109924	7	38
222	Recent Advances in Functionalized Carbon Dots toward the Design of Efficient Materials for Sensing and Catalysis Applications. <i>Small</i> , <b>2020</b> , 16, e1905767	11	110
221	Bis(2-aminoethyl)amine-modified graphene oxide nanoemulsion for carbon steel protection in 15% HCl: Effect of temperature and synergism with iodide ions. <i>Journal of Colloid and Interface Science</i> , <b>2020</b> , 564, 124-133	9.3	65
220	Kinetic and thermodynamic studies of fenton oxidative decolorization of methylene blue. <i>Heliyon</i> , <b>2020</b> , 6, e04454	3.6	17
219	Trends in the sample preparation and analysis of nanomaterials as environmental contaminants. <i>Trends in Environmental Analytical Chemistry</i> , <b>2020</b> , 28, e00101	12	115

218	Analytical methods for mercury speciation, detection, and measurement in water, oil, and gas. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2020</b> , 132, 116016	14.6	18
217	Synthesis of carbon nanotubes grafted with PEG and its efficiency for the removal of phenol from industrial wastewater. <i>Environmental Nanotechnology, Monitoring and Management</i> , <b>2020</b> , 13, 100286	3.3	16
216	Polyamide-baghouse dust nanocomposite for removal of methylene blue and metals: Characterization, kinetic, thermodynamic and regeneration. <i>Chinese Journal of Chemical Engineering</i> , <b>2020</b> , 39, 112-112	3.2	2
215	Graphene grafted with polyethyleneimine for enhanced shale inhibition in the water-based drilling fluid. <i>Environmental Nanotechnology, Monitoring and Management</i> , <b>2020</b> , 14, 100348	3.3	7
214	Controlling Shale Swelling and Fluid Loss Properties of Water-Based Drilling Mud via Ultrasonic Impregnated SWCNTs/PVP Nanocomposites. <i>Energy &amp; Fuels</i> , <b>2020</b> , 34, 9515-9523	4.1	22
213	A sensitive electrochemical sensor based on functionalized graphene oxide/SnO <sub>2</sub> for the determination of eugenol. <i>Microchemical Journal</i> , <b>2020</b> , 159, 105353	4.8	23
212	Nanomaterials: Classification, properties, and environmental toxicities. <i>Environmental Technology and Innovation</i> , <b>2020</b> , 20, 101067	7	288
211	Graphene grafted with glucopyranose as a shale swelling inhibitor in water-based drilling mud. <i>Applied Clay Science</i> , <b>2020</b> , 199, 105806	5.2	12
210	Modeling the viscosity of nanofluids using artificial neural network and Bayesian support vector regression. <i>Journal of Applied Physics</i> , <b>2020</b> , 128, 085306	2.5	13
209	Effect of carbon on the hydrodesulfurization activity of MoCo catalysts supported on zeolite/active carbon hybrid supports. <i>Applied Catalysis B: Environmental</i> , <b>2020</b> , 263, 117661	21.8	35
208	Synthesis of Zn <sub>0.8</sub> Co <sub>0.1</sub> Ni <sub>0.1</sub> Fe <sub>2</sub> O <sub>4</sub> polyvinyl alcohol nanocomposites via ultrasound-assisted emulsion liquid phase. <i>Arabian Journal of Chemistry</i> , <b>2020</b> , 13, 3246-3254	5.9	5
207	Performance of corrosion inhibitors in cracked and uncracked silica fume cement concrete beams. <i>European Journal of Environmental and Civil Engineering</i> , <b>2020</b> , 24, 1573-1588	1.5	13
206	Sensitive SERS detection and characterization of procaine in aqueous media by reduced gold nanoparticles. <i>Sensors and Actuators B: Chemical</i> , <b>2020</b> , 304, 127057	8.5	24
205	Synthesis of polyamine-CNT composites for the removal of toxic cadmium metal ions from wastewater. <i>Journal of Molecular Liquids</i> , <b>2020</b> , 297, 111827	6	23
204	Eco-friendly synthesis of Cynomorium coccineum extract for controlled production of copper nanoparticles for sorption of methylene blue dye. <i>Arabian Journal of Chemistry</i> , <b>2020</b> , 13, 4263-4274	5.9	41
203	An approach to predict the isobaric specific heat capacity of nitrides/ethylene glycol-based nanofluids using support vector regression. <i>Journal of Energy Storage</i> , <b>2020</b> , 29, 101313	7.8	22
202	Influence of titanium oxide on the performance of molybdenum catalysts loaded on zeolite toward hydrodesulfurization reactions. <i>Microporous and Mesoporous Materials</i> , <b>2020</b> , 303, 110188	5.3	10
201	Removal of mercury from polluted water by a novel composite of polymer carbon nanofiber: kinetic, isotherm, and thermodynamic studies.. <i>RSC Advances</i> , <b>2020</b> , 11, 380-389	3.7	5

200	Advances in functionalized Nanoparticles based drilling inhibitors for oil production. <i>Energy Reports</i> , <b>2019</b> , 5, 1293-1304	4.6	68
199	Recent trends in the design of chemical sensors based on graphene/metal oxide nanocomposites for the analysis of toxic species and biomolecules. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2019</b> , 120, 115660	14.6	57
198	Influence of $\gamma$ irradiation doses on physicochemical properties of silver polystyrene polyvinyl pyrrolidone nanocomposites. <i>Materials Chemistry and Physics</i> , <b>2019</b> , 226, 250-256	4.4	7
197	Modeling and prediction of the specific heat capacity of Al <sub>2</sub> O <sub>3</sub> /water nanofluids using hybrid genetic algorithm/support vector regression model. <i>Nano Structures Nano Objects</i> , <b>2019</b> , 17, 103-111	5.6	68
196	Superhydrophobic and superoleophilic carbon nanofiber grafted polyurethane for oil-water separation. <i>Chemical Engineering Research and Design</i> , <b>2019</b> , 123, 327-334	5.5	38
195	Diethylenetriamine functionalized graphene oxide as a novel corrosion inhibitor for mild steel in hydrochloric acid solutions. <i>New Journal of Chemistry</i> , <b>2019</b> , 43, 2328-2337	3.6	63
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