

Tawfik A Saleh

List of Publications by Year in descending order

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Version: 2024-02-01

335
papers

28,814
citations

7561

77
h-index

6643

156
g-index

339
all docs

339
docs citations

339
times ranked

19306
citing authors

#	ARTICLE	IF	CITATIONS
1	Simultaneous removal of polyaromatic hydrocarbons from water using polymer modified carbon. <i>Biomass Conversion and Biorefinery</i> , 2024, 14, 567-576.	2.9	15
2	Synthesis of polyamide grafted on biosupport as polymeric adsorbents for the removal of dye and metal ions. <i>Biomass Conversion and Biorefinery</i> , 2024, 14, 2439-2452.	2.9	35
3	Effect of modification of <i>Haloxylon recurvum</i> biomass on the sorption of acidic dye from aqueous media. <i>Biomass Conversion and Biorefinery</i> , 2024, 14, 4813-4827.	2.9	1
4	Statistical analysis and physicochemical characteristics of groundwater quality parameters: a case study. <i>International Journal of Environmental Analytical Chemistry</i> , 2023, 103, 2270-2291.	1.8	10
5	Synthesized of Zeolite@Ag ₂ O Nanocomposite as Superb Stability Photocatalysis Toward Hazardous Rhodamine B Dye from Water. <i>Arabian Journal for Science and Engineering</i> , 2023, 48, 169-179.	1.7	25
6	Synthesis of amyl ester grafted on carbon-nanopolymer composite as an inhibitor for cleaner shale drilling. <i>Petroleum</i> , 2022, 8, 529-537.	1.3	19
7	Interdependence between temperature and precipitation: modeling using copula method toward climate protection. <i>Modeling Earth Systems and Environment</i> , 2022, 8, 2753-2766.	1.9	7
8	Flow photocatalysis system-based functionalized graphene oxide-ZnO nanoflowers for degradation of a natural humic acid. <i>Environmental Science and Pollution Research</i> , 2022, 29, 9883-9891.	2.7	11
9	Molecular Simulation of Cement-Based Materials and Their Properties. <i>Engineering</i> , 2022, 15, 165-178.	3.2	21
10	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> , 2022, 423, 127044.	6.5	81
11	Hydrophobic polymer-modified nanosilica as effective shale inhibitor for water-based drilling mud. <i>Journal of Petroleum Science and Engineering</i> , 2022, 209, 109868.	2.1	28
12	Water treatment technologies in removing heavy metal ions from wastewater: A review. <i>Environmental Nanotechnology, Monitoring and Management</i> , 2022, 17, 100617.	1.7	91
13	Predicting the density of carbon-based nanomaterials in diesel oil through computational intelligence methods. <i>Journal of Thermal Analysis and Calorimetry</i> , 2022, 147, 8699-8707.	2.0	4
14	Molybdenum boron based catalysts loaded on MnO alumina support for hydrodesulfurization of dibenzothiophene. <i>Inorganic Chemistry Communication</i> , 2022, 138, 109237.	1.8	14
15	Experimental and analytical methods for testing inhibitors and fluids in water-based drilling environments. <i>TrAC - Trends in Analytical Chemistry</i> , 2022, 149, 116543.	5.8	70
16	Advanced trends of shale inhibitors for enhanced properties of water-based drilling fluid. <i>Upstream Oil and Gas Technology</i> , 2022, 8, 100069.	1.1	61
17	Melamine-modified polyacrylic grafted on activated carbon and its efficiency for shale inhibition. <i>Upstream Oil and Gas Technology</i> , 2022, 8, 100065.	1.1	19
18	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> , 2022, 614, 58-65.	5.0	20

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19	Cement-based batteries design and performance. A review. <i>Environmental Chemistry Letters</i> , 2022, 20, 1671-1694.	8.3	7
20	Hydrophobic and oleophilic amine-functionalised graphene/polyethylene nanocomposite for oil/water separation. <i>Environmental Technology and Innovation</i> , 2022, 27, 102391.	3.0	16
21	Nanofiltration membrane with high flux and oil rejection using graphene oxide/ β -cyclodextrin for produced water reuse. <i>Materials Today Communications</i> , 2022, 31, 103438.	0.9	12
22	Facile Preparation of Supported Copper-modified SBA-15 Catalysts for efficient Benzaldehyde Hydrogenation. <i>Surfaces and Interfaces</i> , 2022, 30, 101955.	1.5	3
23	Atomistic simulation of polymer-cement interactions: Progress and research challenges. <i>Construction and Building Materials</i> , 2022, 327, 126881.	3.2	28
24	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> , 2022, 357, 119096.	2.3	8
25	Intelligent modeling of dye removal by aluminized activated carbon. <i>Environmental Science and Pollution Research</i> , 2022, 29, 58950-58962.	2.7	9
26	Technological trends in nanosilica synthesis and utilization in advanced treatment of water and wastewater. <i>Environmental Science and Pollution Research</i> , 2022, 29, 42560-42600.	2.7	5
27	Synthesis, structural and dielectric properties of Mg/Zn ferrites -PVA nanocomposites. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2022, 280, 115689.	1.7	19
28	Fast Scalable Synthetic Methodology to Prepare Nanoflower-Shaped Bi/BiOCl ₂ Br _{1-x} Heterojunction for Efficient Immobilized Photocatalytic Reactors under Visible Light Irradiation. <i>Advanced Sustainable Systems</i> , 2022, 6, .	2.7	9
29	Non-enzymatic electrochemical dopamine sensing probe based on hexagonal shape zinc-doped cobalt oxide (Zn-Co ₂ O ₄) nanostructure. <i>Mikrochimica Acta</i> , 2022, 189, 37.	2.5	19
30	Mercury Removal from Water Using a Novel Composite of Polyacrylate-Modified Carbon. <i>ACS Omega</i> , 2022, 7, 14820-14831.	1.6	22
31	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> , 2022, 47, 102770.	2.6	22
32	Multiobjectives optimization in petroleum refinery catalytic desulfurization using Machine learning approach. <i>Fuel</i> , 2022, 322, 124088.	3.4	12
33	Azo-Linked Porous Organic Polymers for Selective Carbon Dioxide Capture and Metal Ion Removal. <i>ACS Omega</i> , 2022, 7, 14535-14543.	1.6	13
34	Factorial design, physical studies and rapid arsenic adsorption using newly prepared polymer modified perlite adsorbent. <i>Chemical Engineering Research and Design</i> , 2022, 183, 181-191.	2.7	31
35	Global trends in technologies and nanomaterials for removal of sulfur organic compounds: Clean energy and green environment. <i>Journal of Molecular Liquids</i> , 2022, 359, 119340.	2.3	101
36	Comparative study of air and glass-modified graphene rectangular waveguide for surface wave propagation. <i>Journal of Materials Science: Materials in Electronics</i> , 2022, 33, 13316-13325.	1.1	3

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37	Spectroanalytical SERS-based detection of trace-level procainamide using green-synthesized gold nanoparticles. <i>Surfaces and Interfaces</i> , 2022, 31, 102059.	1.5	5
38	Effective antimony removal from wastewaters using polymer modified sepiolite: Isotherm kinetic and thermodynamic analysis. <i>Chemical Engineering Research and Design</i> , 2022, 184, 215-223.	2.7	30
39	Artificial intelligence approach for modeling petroleum refinery catalytic desulfurization process. <i>Neural Computing and Applications</i> , 2022, 34, 17809-17820.	3.2	6
40	Hydrothermal assisted synthesis of titanium dioxide nanoparticles modified graphene with enhanced photocatalytic performance. <i>Journal of Industrial and Engineering Chemistry</i> , 2022, 113, 411-418.	2.9	16
41	An investigation of polymer-modified activated carbon as a potential shale inhibitor for water-based drilling muds. <i>Journal of Petroleum Science and Engineering</i> , 2022, 216, 110763.	2.1	13
42	Graphene oxide with dopamine functionalization as corrosion inhibitor against sweet corrosion of X60 carbon steel under static and hydrodynamic flow systems. <i>Journal of Electroanalytical Chemistry</i> , 2022, 920, 116589.	1.9	16
43	Technological trends in activation and modification of palm oil fuel ash for advanced water and wastewater treatment – A review. <i>Sustainable Chemistry and Pharmacy</i> , 2022, 29, 100754.	1.6	1
44	Polyamide-baghouse dust nanocomposite for removal of methylene blue and metals: Characterization, kinetic, thermodynamic and regeneration. <i>Chinese Journal of Chemical Engineering</i> , 2021, 39, 112-125.	1.7	18
45	A novel catalyst of nickel-loaded graphene decorated on molybdenum-alumina for the HDS of liquid fuels. <i>Chemical Engineering Journal</i> , 2021, 406, 125167.	6.6	50
46	Effective Dyeing of Cotton Fibers Using <i>Cynomorium Coccineum</i> L. Peel Extracts: Study of the Influential Factors Using Surface Response Methodology. <i>Journal of Natural Fibers</i> , 2021, 18, 21-33.	1.7	12
47	Carbon nanotube-incorporated alumina as a support for MoNi catalysts for the efficient hydrodesulfurization of thiophenes. <i>Chemical Engineering Journal</i> , 2021, 404, 126987.	6.6	217
48	A review on multicomponent reactions catalysed by zero-dimensional/one-dimensional titanium dioxide (TiO ₂) nanomaterials: Promising green methodologies in organic chemistry. <i>Journal of Environmental Management</i> , 2021, 279, 111603.	3.8	28
49	Removal of alkanes by novel grassy cabbage microbuds prepared by an electrochemical method. <i>Chemical Engineering Journal</i> , 2021, 407, 126216.	6.6	13
50	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> , 2021, 582, 428-438.	5.0	32
51	Solar-Driven Fixation of Bismuth Oxyhalides on Reduced Graphene Oxide for Efficient Sunlight-Responsive Immobilized Photocatalytic Systems. <i>Advanced Materials Interfaces</i> , 2021, 8, 2001463.	1.9	49
52	Octanoate grafted graphene oxide as an effective inhibitor against oil well acidizing corrosion. <i>Journal of Molecular Liquids</i> , 2021, 325, 115060.	2.3	43
53	Synthesis of efficient stable dendrimer-modified carbon for cleaner drilling shale inhibition. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 104792.	3.3	34
54	An Overview of Nanomaterials for Water Technology. , 2021, , 105-114.		0

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55	Photochemically Produced Superhydrophobic Silane@polystyrene-Coated Polypropylene Fibrous Network for Oil/Water Separation. <i>Chemistry - an Asian Journal</i> , 2021, 16, 329-341.	1.7	5
56	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> , 2021, 11, 7078-7095.	1.7	17
57	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> , 2021, 9, 104967.	3.3	46
58	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> , 2021, 29, 2840-2854.	2.4	5
59	Enhanced efficiency of polyamide membranes by incorporating TiO ₂ -Graphene oxide for water purification. <i>Journal of Molecular Liquids</i> , 2021, 323, 114922.	2.3	48
60	Facile fabrication of hydrophobic alkylamine intercalated graphene oxide as absorbent for highly effective oil-water separation. <i>Journal of Molecular Liquids</i> , 2021, 325, 115057.	2.3	35
61	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> , 2021, 9, 105126.	3.3	41
62	Advances in Carbon Nanostructures and Nanocellulose as Additives for Efficient Drilling Fluids: Trends and Future Perspective—A Review. <i>Energy & Fuels</i> , 2021, 35, 7319-7339.	2.5	28
63	Ultrasonic-assisted synthesis of polythiophene-carbon nanotubes composites as supercapacitors. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 16203-16214.	1.1	15
64	Modified gold and polymeric gold nanostructures: Toxicology and biomedical applications. <i>Colloids and Interface Science Communications</i> , 2021, 42, 100412.	2.0	20
65	Smart advanced responsive materials, synthesis methods and classifications: from Lab to applications. <i>Journal of Polymer Research</i> , 2021, 28, 1.	1.2	12
66	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> , 2021, 28, 55655-55666.	2.7	25
67	Graphene oxide grafted with dopamine as an efficient corrosion inhibitor for oil well acidizing environments. <i>Surfaces and Interfaces</i> , 2021, 24, 101046.	1.5	19
68	Electrochemically modulated SERS detection of procaine using FTO electrodes modified with silver-decorated carbon nanosphere. <i>Electrochimica Acta</i> , 2021, 387, 138463.	2.6	33
69	Modeling the Specific Surface Area of Doped Spinel Ferrite Nanomaterials Using Hybrid Intelligent Computational Method. <i>Journal of Nanomaterials</i> , 2021, 2021, 1-13.	1.5	10
70	Development and characterization of bentonite-gum arabic composite as novel highly-efficient adsorbent to remove thorium ions from aqueous media. <i>Cellulose</i> , 2021, 28, 10321-10333.	2.4	17
71	Environmental risks and toxicity of surfactants: overview of analysis, assessment, and remediation techniques. <i>Environmental Science and Pollution Research</i> , 2021, 28, 62085-62104.	2.7	109
72	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> , 2021, 23, 100503.	1.6	10

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73	Synthesis of amine functionalization carbon nanotube-low symmetry porphyrin derivatives conjugates toward dye and metal ions removal. <i>Journal of Molecular Liquids</i> , 2021, 340, 117024.	2.3	60
74	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> , 2021, 9, 105825.	3.3	8
75	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> , 2021, 600, 219-228.	5.0	21
76	Enhanced efficiency of polyamide membranes by incorporating cyclodextrin-graphene oxide for water purification. <i>Journal of Molecular Liquids</i> , 2021, 340, 116991.	2.3	30
77	Surface-modified biopolymer as an environment-friendly shale inhibitor and swelling control agent. <i>Journal of Molecular Liquids</i> , 2021, 342, 117275.	2.3	20
78	Synthesis of novel Co ₃ O ₄ nanocubes-NiO octahedral hybrids for electrochemical energy storage supercapacitors. <i>Journal of Environmental Management</i> , 2021, 298, 113484.	3.8	26
79	Assessment of physicochemical characteristics in groundwater quality parameters. <i>Environmental Technology and Innovation</i> , 2021, 24, 101877.	3.0	25
80	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> , 2021, 168, 108589.	1.8	7
81	Protocols for synthesis of nanomaterials, polymers, and green materials as adsorbents for water treatment technologies. <i>Environmental Technology and Innovation</i> , 2021, 24, 101821.	3.0	356
82	Fast and sensitive detection of Procainamide: Combined SERS and DFT modeling studies. <i>Journal of Molecular Liquids</i> , 2021, 343, 117633.	2.3	23
83	Principles and Advantages of Microwave-Assisted Methods for the Synthesis of Nanomaterials for Water Purification. , 2021, , 426-439.		0
84	Removal of mercury from polluted water by a novel composite of polymer carbon nanofiber: kinetic, isotherm, and thermodynamic studies. <i>RSC Advances</i> , 2021, 11, 380-389.	1.7	16
85	Development and characterization of polymer-modified vermiculite composite as novel highly-efficient adsorbent for water treatment. <i>Surfaces and Interfaces</i> , 2021, 27, 101504.	1.5	15
86	Effect of carbon on the hydrodesulfurization activity of MoCo catalysts supported on zeolite/ active carbon hybrid supports. <i>Applied Catalysis B: Environmental</i> , 2020, 263, 117661.	10.8	65
87	Synthesis of Zn _{0.8} Co _{0.1} Ni _{0.1} Fe ₂ O ₄ polyvinyl alcohol nanocomposites via ultrasound-assisted emulsion liquid phase. <i>Arabian Journal of Chemistry</i> , 2020, 13, 3246-3254.	2.3	11
88	Performance of corrosion inhibitors in cracked and uncracked silica fume cement concrete beams. <i>European Journal of Environmental and Civil Engineering</i> , 2020, 24, 1573-1588.	1.0	28
89	Sensitive SERS detection and characterization of procaine in aqueous media by reduced gold nanoparticles. <i>Sensors and Actuators B: Chemical</i> , 2020, 304, 127057.	4.0	44
90	Synthesis of polyamine-CNT composites for the removal of toxic cadmium metal ions from wastewater. <i>Journal of Molecular Liquids</i> , 2020, 297, 111827.	2.3	37

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91	Eco-friendly synthesis of <i>Cynomorium coccineum</i> extract for controlled production of copper nanoparticles for sorption of methylene blue dye. <i>Arabian Journal of Chemistry</i> , 2020, 13, 4263-4274.	2.3	63
92	Highly efficient solar light-driven photocatalytic hydrogen production over Cu/FCNTs-titania quantum dots-based heterostructures. <i>Journal of Environmental Management</i> , 2020, 254, 109747.	3.8	111
93	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> , 2020, 196, 104484.	2.6	18
94	Pseudobactins bounded iron nanoparticles for control of an antibiotic-resistant <i>Pseudomonas aeruginosa</i> strain. <i>Biotechnology Progress</i> , 2020, 36, e2907.	1.3	22
95	Evaluation of carbonized waste tire for development of novel shape stabilized composite phase change material for thermal energy storage. <i>Waste Management</i> , 2020, 103, 352-360.	3.7	44
96	Carbon nanofiber-doped zeolite as support for molybdenum based catalysts for enhanced hydrodesulfurization of dibenzothiophene. <i>Journal of Molecular Liquids</i> , 2020, 304, 112376.	2.3	42
97	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> , 2020, 189, 109924.	2.9	61
98	Recent Advances in Functionalized Carbon Dots toward the Design of Efficient Materials for Sensing and Catalysis Applications. <i>Small</i> , 2020, 16, e1905767.	5.2	217
99	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> , 2020, 564, 124-133.	5.0	102
100	Kinetic and thermodynamic studies of fenton oxidative decolorization of methylene blue. <i>Heliyon</i> , 2020, 6, e04454.	1.4	38
101	Trends in the sample preparation and analysis of nanomaterials as environmental contaminants. <i>Trends in Environmental Analytical Chemistry</i> , 2020, 28, e00101.	5.3	175
102	Analytical methods for mercury speciation, detection, and measurement in water, oil, and gas. <i>TrAC - Trends in Analytical Chemistry</i> , 2020, 132, 116016.	5.8	46
103	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> , 2020, 13, 100286.	1.7	29
104	Graphene grafted with polyethyleneimine for enhanced shale inhibition in the water-based drilling fluid. <i>Environmental Nanotechnology, Monitoring and Management</i> , 2020, 14, 100348.	1.7	15
105	Controlling Shale Swelling and Fluid Loss Properties of Water-Based Drilling Mud via Ultrasonic Impregnated SWCNTs/PVP Nanocomposites. <i>Energy & Fuels</i> , 2020, 34, 9515-9523.	2.5	38
106	A sensitive electrochemical sensor based on functionalized graphene oxide/SnO ₂ for the determination of eugenol. <i>Microchemical Journal</i> , 2020, 159, 105353.	2.3	43
107	Nanomaterials: Classification, properties, and environmental toxicities. <i>Environmental Technology and Innovation</i> , 2020, 20, 101067.	3.0	586
108	Graphene grafted with glucopyranose as a shale swelling inhibitor in water-based drilling mud. <i>Applied Clay Science</i> , 2020, 199, 105806.	2.6	31

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109	Modeling the viscosity of nanofluids using artificial neural network and Bayesian support vector regression. <i>Journal of Applied Physics</i> , 2020, 128, .	1.1	27
110	Titania-nanorods modified carbon paste electrode for the sensitive voltammetric determination of BPA in exposed bottled water. <i>Sensing and Bio-Sensing Research</i> , 2020, 30, 100391.	2.2	11
111	Visible Light-Driven Photoelectrocatalytic Water Splitting Using Z-Scheme Ag-Decorated MoS ₂ /RGO/NiWO ₄ Heterostructure. <i>ACS Omega</i> , 2020, 5, 31644-31656.	1.6	29
112	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> , 2020, 163, 76-84.	2.7	48
113	Synthesis of carbon nanotubes grafted with copolymer of acrylic acid and acrylamide for phenol removal. <i>Environmental Nanotechnology, Monitoring and Management</i> , 2020, 14, 100302.	1.7	21
114	Eu ³⁺ , Sm ³⁺ Deep Red Phosphors as Novel Materials for White Light-Emitting Diodes and Simultaneous Performance Enhancement of Organic-Inorganic Perovskite Solar Cells. <i>Small</i> , 2020, 16, e2001551.	5.2	51
115	Evaluation of the corrosion inhibition efficacy of Cola acuminata extract for low carbon steel in simulated acid pickling environment. <i>Environmental Science and Pollution Research</i> , 2020, 27, 34270-34288.	2.7	29
116	Interfacial polymerization of trimesoyl chloride with melamine and palygorskite for efficient uranium ions ultra-removal. <i>Chemical Engineering Research and Design</i> , 2020, 159, 353-361.	2.7	59
117	SERS-based trace-level quantification of sulindac: Spectroscopic and molecular modeling evaluation. <i>Journal of Molecular Liquids</i> , 2020, 312, 113402.	2.3	21
118	Recent trends in functionalized nanoparticles loaded polymeric composites: An energy application. <i>Materials Science for Energy Technologies</i> , 2020, 3, 515-525.	1.0	26
119	Partially aminated acrylic acid grafted activated carbon as inexpensive shale hydration inhibitor. <i>Carbohydrate Research</i> , 2020, 491, 107960.	1.1	49
120	Poly(2-hydroxyethyl methacrylate) grafted graphene oxide for cadmium removal from water with interaction mechanisms. <i>Environmental Nanotechnology, Monitoring and Management</i> , 2020, 13, 100288.	1.7	10
121	Efficient adsorbent derived from Haloxylon recurvum plant for the adsorption of acid brown dye: Kinetics, isotherm and thermodynamic optimization. <i>Surfaces and Interfaces</i> , 2020, 20, 100510.	1.5	37
122	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> , 2020, 314, 113640.	2.3	35
123	Trends in polymers functionalized nanostructures for analysis of environmental pollutants. <i>Trends in Environmental Analytical Chemistry</i> , 2020, 26, e00084.	5.3	44
124	Ca-alginate/carboxymethyl chitosan/Ni _{0.2} Zn _{0.2} Fe _{2.6} O ₄ magnetic bionanocomposite: Synthesis, characterization and application for single adsorption of Nd ³⁺ , Tb ³⁺ , and Dy ³⁺ rare earth elements from aqueous media. <i>Journal of Molecular Liquids</i> , 2020, 306, 112760.	2.3	55
125	Cetyltrimethylammonium modified graphene as a clean swelling inhibitor in water-based oil-well drilling mud. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 103802.	3.3	33
126	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> , 2020, 197, 485-490.	2.9	42

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127	Characterization, determination and elimination technologies for sulfur from petroleum: Toward cleaner fuel and a safe environment. Trends in Environmental Analytical Chemistry, 2020, 25, e00080.	5.3	266
128	The capacity of mesoporous fly ash grafted with ultrathin film of polydiallyldimethyl ammonium for enhanced removal of phenol from aqueous solutions. Journal of Cleaner Production, 2020, 263, 121280.	4.6	26
129	Zeolite-graphene composite as support for molybdenum-based catalysts and their hydrodesulfurization performance. Applied Catalysis A: General, 2020, 598, 117542.	2.2	41
130	Effect of ultrasonication and chelating agents on the dispersion of NiMo catalysts on carbon for Hydrodesulphurization. Journal of Environmental Chemical Engineering, 2020, 8, 103811.	3.3	15
131	Synthesis of CuFe ₂ xEr _x O ₄ nanoparticles and their magnetic, structural and dielectric properties. Physica B: Condensed Matter, 2020, 588, 412176.	1.3	17
132	Synthesis of silica nanoparticles grafted with copolymer of acrylic acrylamide for ultra-removal of methylene blue from aquatic solutions. European Polymer Journal, 2020, 130, 109698.	2.6	87
133	An approach to predict the isobaric specific heat capacity of nitrides/ethylene glycol-based nanofluids using support vector regression. Journal of Energy Storage, 2020, 29, 101313.	3.9	35
134	Influence of titanium oxide on the performance of molybdenum catalysts loaded on zeolite toward hydrodesulfurization reactions. Microporous and Mesoporous Materials, 2020, 303, 110188.	2.2	25
135	Novel Porous Organic Polymer for the Concurrent and Selective Removal of Hydrogen Sulfide and Carbon Dioxide from Natural Gas Streams. ACS Applied Materials & Interfaces, 2020, 12, 47984-47992.	4.0	29
136	A flexible biomimetic superhydrophobic and superoleophilic 3D macroporous polymer-based robust network for the efficient separation of oil-contaminated water. RSC Advances, 2020, 10, 5088-5097.	1.7	21
137	The synergistic influence of polyethyleneimine-grafted graphene oxide and iodide for the protection of steel in acidizing conditions. RSC Advances, 2020, 10, 17739-17751.	1.7	36
138	Highly Efficient Modified Activated Carbon as Shale Inhibitor for Water Based Drilling Mud Modification. , 2020, , .		6
139	Advanced Desulfurization Technologies and Mechanisms. Advances in Chemical and Materials Engineering Book Series, 2020, , 1-24.	0.2	1
140	Polymer Consumption, Environmental Concerns, Possible Disposal Options, and Recycling for Water Treatment. , 2020, , 971-989.		0
141	Scientific Insights Into Modified and Non-Modified Biomaterials for Sorption of Heavy Metals From Water. , 2020, , 807-827.		1
142	Environmental Concerns and the Importance of Desulfurization. Advances in Chemical and Materials Engineering Book Series, 2020, , 284-294.	0.2	1
143	Spectroscopic, DFT and trace detection study of procaine using surface-enhanced Raman scattering technique. Chemical Physics Letters, 2019, 730, 617-622.	1.2	24
144	Development of a predictive model for estimating the specific heat capacity of metallic oxides/ethylene glycol-based nanofluids using support vector regression. Heliyon, 2019, 5, e01882.	1.4	22

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145	Electrochemical removal of methylene blue using alginate-modified graphene adsorbents. Chemical Engineering Journal, 2019, 378, 122140.	6.6	119
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