

Tawfik A Saleh

List of Publications by Year in descending order

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335
papers

28,814
citations

7568

77
h-index

6653

156
g-index

339
all docs

339
docs citations

339
times ranked

19306
citing authors

#	ARTICLE	IF	CITATIONS
1	Chemical treatment technologies for waste-water recyclingâ€™an overview. RSC Advances, 2012, 2, 6380.	3.6	1,313
2	Adsorptive removal of dyes from aqueous solution onto carbon nanotubes: A review. Advances in Colloid and Interface Science, 2013, 193-194, 24-34.	14.7	1,023
3	Photo-catalyzed degradation of hazardous dye methyl orange by use of a composite catalyst consisting of multi-walled carbon nanotubes and titanium dioxide. Journal of Colloid and Interface Science, 2012, 371, 101-106.	9.4	901
4	Synthesis and characterization of alumina-coated carbon nanotubes and their application for lead removal. Journal of Hazardous Materials, 2011, 185, 17-23.	12.4	900
5	Sorption of pollutants by porous carbon, carbon nanotubes and fullerene- An overview. Environmental Science and Pollution Research, 2013, 20, 2828-2843.	5.3	849
6	Chromium removal by combining the magnetic properties of iron oxide with adsorption properties of carbon nanotubes. Water Research, 2011, 45, 2207-2212.	11.3	690
7	Photo-catalytic degradation of toxic dye amaranth on TiO ₂ /UV in aqueous suspensions. Materials Science and Engineering C, 2012, 32, 12-17.	7.3	664
8	Processing methods, characteristics and adsorption behavior of tire derived carbons: A review. Advances in Colloid and Interface Science, 2014, 211, 93-101.	14.7	624
9	Nanomaterials: Classification, properties, and environmental toxicities. Environmental Technology and Innovation, 2020, 20, 101067.	6.1	586
10	Simultaneous adsorptive desulfurization of diesel fuel over bimetallic nanoparticles loaded on activated carbon. Journal of Cleaner Production, 2018, 172, 2123-2132.	9.3	558
11	Column with CNT/magnesium oxide composite for lead(II) removal from water. Environmental Science and Pollution Research, 2012, 19, 1224-1228.	5.3	535
12	Functionalization of tungsten oxide into MWCNT and its application for sunlight-induced degradation of rhodamine B. Journal of Colloid and Interface Science, 2011, 362, 337-344.	9.4	528
13	Isotherm, kinetic, and thermodynamic studies on Hg(II) adsorption from aqueous solution by silica-multiwall carbon nanotubes. Environmental Science and Pollution Research, 2015, 22, 16721-16731.	5.3	515
14	Synthesis and characterization of alumina nano-particles polyamide membrane with enhanced flux rejection performance. Separation and Purification Technology, 2012, 89, 245-251.	7.9	494
15	Nanocomposite of carbon nanotubes/silica nanoparticles and their use for adsorption of Pb(II): from surface properties to sorption mechanism. Desalination and Water Treatment, 2016, 57, 10730-10744.	1.0	491
16	The influence of treatment temperature on the acidity of MWCNT oxidized by HNO ₃ or a mixture of HNO ₃ /H ₂ SO ₄ . Applied Surface Science, 2011, 257, 7746-7751.	6.1	464
17	Chromium removal from water by activated carbon developed from waste rubber tires. Environmental Science and Pollution Research, 2013, 20, 1261-1268.	5.3	370
18	Mercury sorption by silica/carbon nanotubes and silica/activated carbon: a comparison study. Journal of Water Supply: Research and Technology - AQUA, 2015, 64, 892-903.	1.4	368

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19	Protocols for synthesis of nanomaterials, polymers, and green materials as adsorbents for water treatment technologies. <i>Environmental Technology and Innovation</i> , 2021, 24, 101821.	6.1	356
20	Effective adsorption of antimony(III) from aqueous solutions by polyamide-graphene composite as a novel adsorbent. <i>Chemical Engineering Journal</i> , 2017, 307, 230-238.	12.7	332
21	Characterization, determination and elimination technologies for sulfur from petroleum: Toward cleaner fuel and a safe environment. <i>Trends in Environmental Analytical Chemistry</i> , 2020, 25, e00080.	10.3	266
22	Polyethylenimine modified activated carbon as novel magnetic adsorbent for the removal of uranium from aqueous solution. <i>Chemical Engineering Research and Design</i> , 2017, 117, 218-227.	5.6	262
23	Effects of bimetallic Ce/Fe nanoparticles on the desulfurization of thiophenes using activated carbon. <i>Chemical Engineering Journal</i> , 2017, 307, 914-927.	12.7	245
24	Response surface methodology optimization of adsorptive desulfurization on nickel/activated carbon. <i>Chemical Engineering Journal</i> , 2017, 313, 993-1003.	12.7	230
25	Recent Advances in Functionalized Carbon Dots toward the Design of Efficient Materials for Sensing and Catalysis Applications. <i>Small</i> , 2020, 16, e1905767.	10.0	217
26	Carbon nanotube-incorporated alumina as a support for MoNi catalysts for the efficient hydrodesulfurization of thiophenes. <i>Chemical Engineering Journal</i> , 2021, 404, 126987.	12.7	217
27	Band gap tuning and surface modification of carbon dots for sustainable environmental remediation and photocatalytic hydrogen production – A review. <i>Journal of Environmental Management</i> , 2019, 250, 109486.	7.8	211
28	Adsorptive desulfurization of thiophene, benzothiophene and dibenzothiophene over activated carbon manganese oxide nanocomposite: with column system evaluation. <i>Journal of Cleaner Production</i> , 2017, 154, 401-412.	9.3	207
29	Adsorptive removal of cadmium(II) ions from liquid phase using acid modified carbon-based adsorbents. <i>Journal of Molecular Liquids</i> , 2015, 204, 255-263.	4.9	202
30	Response surface optimization, kinetic and thermodynamic studies for effective removal of rhodamine B by magnetic AC/CeO ₂ nanocomposite. <i>Journal of Environmental Management</i> , 2018, 206, 170-177.	7.8	195
31	Synthesis of ZnO ₂ nanoparticles by laser ablation in liquid and their annealing transformation into ZnO nanoparticles. <i>Applied Surface Science</i> , 2009, 256, 298-304.	6.1	184
32	Graphene Dendrimer-stabilized silver nanoparticles for detection of methimazole using Surface-enhanced Raman scattering with computational assignment. <i>Scientific Reports</i> , 2016, 6, 32185.	3.3	181
33	Enhanced removal of methyl orange from aqueous solutions by poly HEMA-chitosan-MWCNT nano-composite. <i>Journal of Molecular Liquids</i> , 2015, 202, 189-198.	4.9	180
34	Polyamide magnetic palygorskite for the simultaneous removal of Hg(II) and methyl mercury; with factorial design analysis. <i>Journal of Environmental Management</i> , 2018, 211, 323-333.	7.8	179
35	Trends in the sample preparation and analysis of nanomaterials as environmental contaminants. <i>Trends in Environmental Analytical Chemistry</i> , 2020, 28, e00101.	10.3	175
36	Adsorptive desulfurization of dibenzothiophene from fuels by rubber tyres-derived carbons: Kinetics and isotherms evaluation. <i>Chemical Engineering Research and Design</i> , 2016, 102, 9-19.	5.6	173

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37	Arsenic and selenium removal from water using biosynthesized nanoscale zero-valent iron: A factorial design analysis. <i>Chemical Engineering Research and Design</i> , 2017, 107, 518-527.	5.6	170
38	Graphene-based adsorbents for the removal of toxic organic pollutants: A review. <i>Journal of Environmental Management</i> , 2019, 244, 370-382.	7.8	164
39	Optimization of parameters with experimental design for the adsorption of mercury using polyethylenimine modified-activated carbon. <i>Journal of Environmental Chemical Engineering</i> , 2017, 5, 1079-1088.	6.7	155
40	Visible-light responsive BiOBr nanoparticles loaded on reduced graphene oxide for photocatalytic degradation of dye. <i>Journal of Molecular Liquids</i> , 2018, 253, 297-304.	4.9	153
41	Nanocomposite of ZnO with montmorillonite for removal of lead and copper ions from aqueous solutions. <i>Chemical Engineering Research and Design</i> , 2017, 109, 97-105.	5.6	151
42	Synthesis of polyamide grafted carbon microspheres for removal of rhodamine B dye and heavy metals. <i>Journal of Environmental Chemical Engineering</i> , 2018, 6, 5361-5368.	6.7	151
43	Nanosilver: new ageless and versatile biomedical therapeutic scaffold. <i>International Journal of Nanomedicine</i> , 2018, Volume 13, 733-762.	6.7	147
44	Gold and Silver Nanoparticles: Synthesis Methods, Characterization Routes and Applications towards Drugs. , 2016, 6, .		146
45	Chitosan-modified vermiculite for As(III) adsorption from aqueous solution: Equilibrium, thermodynamic and kinetic studies. <i>Journal of Molecular Liquids</i> , 2016, 219, 937-945.	4.9	144
46	Magnetic activated carbon loaded with tungsten oxide nanoparticles for aluminum removal from waters. <i>Journal of Environmental Chemical Engineering</i> , 2017, 5, 2853-2860.	6.7	136
47	Synthesis of nickel oxide nanoparticles using pulsed laser ablation in liquids and their optical characterization. <i>Applied Surface Science</i> , 2012, 258, 6982-6986.	6.1	130
48	Influence of acidic and basic treatments of activated carbon derived from waste rubber tires on adsorptive desulfurization of thiophenes. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2016, 60, 460-468.	5.3	129
49	Enhancement in photocatalytic activity for acetaldehyde removal by embedding ZnO nano particles on multiwall carbon nanotubes. <i>Chemical Engineering Journal</i> , 2011, 166, 407-412.	12.7	125
50	Kinetics, isotherms and thermodynamic evaluation of amine functionalized magnetic carbon for methyl red removal from aqueous solutions. <i>Journal of Molecular Liquids</i> , 2017, 248, 577-585.	4.9	125
51	Influence of conversion parameters of waste tires to activated carbon on adsorption of dibenzothiophene from model fuels. <i>Journal of Cleaner Production</i> , 2016, 117, 50-55.	9.3	123
52	Electrochemical removal of methylene blue using alginate-modified graphene adsorbents. <i>Chemical Engineering Journal</i> , 2019, 378, 122140.	12.7	119
53	Copper oxide nanoparticles-loaded zeolite and its characteristics and antibacterial activities. <i>Journal of Materials Science and Technology</i> , 2017, 33, 889-896.	10.7	115
54	Statistical analysis of phenols adsorption on diethylenetriamine-modified activated carbon. <i>Journal of Cleaner Production</i> , 2018, 182, 960-968.	9.3	114

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55	Advances in functionalized Nanoparticles based drilling inhibitors for oil production. Energy Reports, 2019, 5, 1293-1304.	5.1	111
56	Highly efficient solar light-driven photocatalytic hydrogen production over Cu/FCNTs-titania quantum dots-based heterostructures. Journal of Environmental Management, 2020, 254, 109747.	7.8	111
57	Modeling and prediction of the specific heat capacity of Al ₂ O ₃ nanofluids xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" overflow="scroll" id="d1e365" altimg="si1.gif"> <mml:msub> <mml:mrow /> <mml:mrow> <mml:mn>2</mml:mn> </mml:mrow> </mml:msub> </mml:math> <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" overflow="scroll" id="d1e372" altimg="si2.gif"> <mml:msub> <mml:mrow> <mml:mi>O</mml:mi> </mml:mrow> <mml:mrow> <mml:mn>3</mml:mn> </mml:mrow> </mml:msub> </mml:math>	3.5	110
58	Predicting the specific heat capacity of alumina/ethylene glycol nanofluids using support vector regression model optimized with Bayesian algorithm. Solar Energy, 2019, 183, 74-82.	6.1	109
59	Environmental risks and toxicity of surfactants: overview of analysis, assessment, and remediation techniques. Environmental Science and Pollution Research, 2021, 28, 62085-62104.	5.3	109
60	Carbonaceous adsorbent prepared from waste tires: Experimental and computational evaluations of organic dye methyl orange. Journal of Molecular Liquids, 2014, 191, 85-91.	4.9	108
61	Alumina-carbon nanofiber composite as a support for MoCo catalysts in hydrodesulfurization reactions. Chemical Engineering Journal, 2018, 345, 242-251.	12.7	108
62	Adsorption of lead ions from aqueous solution using porous carbon derived from rubber tires: Experimental and computational study. Journal of Colloid and Interface Science, 2013, 396, 264-269.	9.4	107
63	Advanced developments in shale inhibitors for oil production with low environmental footprints – A review. Fuel, 2019, 247, 237-249.	6.4	102
64	Bis(2-aminoethyl)amine-modified graphene oxide nanoemulsion for carbon steel protection in 15% HCl: Effect of temperature and synergism with iodide ions. Journal of Colloid and Interface Science, 2020, 564, 124-133.	9.4	102
65	Global trends in technologies and nanomaterials for removal of sulfur organic compounds: Clean energy and green environment. Journal of Molecular Liquids, 2022, 359, 119340.	4.9	101
66	Effect of zinc oxide amounts on the properties and antibacterial activities of zeolite/zinc oxide nanocomposite. Materials Science and Engineering C, 2016, 68, 505-511.	7.3	100
67	Silver loaded graphene as a substrate for sensing 2-thiouracil using surface-enhanced Raman scattering. Sensors and Actuators B: Chemical, 2018, 254, 1110-1117.	7.8	100
68	Electrodes modified with 3D graphene composites: a review on methods for preparation, properties and sensing applications. Mikrokimica Acta, 2018, 185, 283.	5.0	99
69	Diethylenetriamine functionalized graphene oxide as a novel corrosion inhibitor for mild steel in hydrochloric acid solutions. New Journal of Chemistry, 2019, 43, 2328-2337.	2.8	99
70	Preparation and Characterization of ZeoliteZinc Oxide-Copper Oxide Nanocomposite: Antibacterial Activities. Colloids and Interface Science Communications, 2017, 16, 19-24.	4.1	97
71	Equilibrium and Thermodynamic Studies on the Adsorption of the Dye Rhodamine-B onto Mustard Cake and Activated Carbon. Journal of Chemical & Engineering Data, 2010, 55, 5225-5229.	1.9	96
72	Methylene Blue removal using polyamide-vermiculite nanocomposites: Kinetics, equilibrium and thermodynamic study. Journal of Environmental Chemical Engineering, 2019, 7, 103107.	6.7	95

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73	Synthesis of MWCNT/MnO ₂ and their application for simultaneous oxidation of arsenite and sorption of arsenate. <i>Applied Catalysis B: Environmental</i> , 2011, 106, 46-46.	20.2	92
74	Synthesis of zinc oxide/talc nanocomposite for enhanced lead adsorption from aqueous solutions. <i>RSC Advances</i> , 2016, 6, 108819-108827.	3.6	92
75	Water treatment technologies in removing heavy metal ions from wastewater: A review. <i>Environmental Nanotechnology, Monitoring and Management</i> , 2022, 17, 100617.	2.9	91
76	Sorption of phenol from waters on activated carbon impregnated with iron oxide, aluminum oxide and titanium oxide. <i>Journal of Molecular Liquids</i> , 2016, 213, 351-359.	4.9	89
77	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> , 2019, 120, 115660.	11.4	88
78	Synthesis of silica nanoparticles grafted with copolymer of acrylic acrylamide for ultra-removal of methylene blue from aquatic solutions. <i>European Polymer Journal</i> , 2020, 130, 109698.	5.4	87
79	Synthesis of hydrophobic cross-linked polyzwitterionic acid for simultaneous sorption of Eriochrome black T and chromium ions from binary hazardous waters. <i>Journal of Colloid and Interface Science</i> , 2016, 468, 324-333.	9.4	86
80	Preparation and characterization of SnO ₂ nanoparticles using high power pulsed laser. <i>Applied Surface Science</i> , 2010, 256, 7067-7070.	6.1	82
81	Influence of aluminium impregnation on activated carbon for enhanced desulfurization of DBT at ambient temperature: Role of surface acidity and textural properties. <i>Chemical Engineering Journal</i> , 2016, 303, 489-500.	12.7	81
82	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.	12.4	81
83	Preparation of a MWCNT/ZnO nanocomposite and its photocatalytic activity for the removal of cyanide from water using a laser. <i>Nanotechnology</i> , 2010, 21, 495705.	2.6	80
84	Characterization of the Chemical Bonding between Al ₂ O ₃ and Nanotube in MWCNT/ Al ₂ O ₃ Nanocomposite. <i>Current Nanoscience</i> , 2012, 8, 739-743.	1.2	78
85	Enhanced adsorption of phenols from liquids by aluminum oxide/carbon nanotubes: Comprehensive study from synthesis to surface properties. <i>Journal of Molecular Liquids</i> , 2015, 206, 176-182.	4.9	78
86	Physicochemical characteristics and dyeing properties of lignin-cellulosic fibers derived from Nerium oleander. <i>Journal of Molecular Liquids</i> , 2018, 249, 1138-1144.	4.9	78
87	Phytoremediation of cadmium-, lead- and nickel-contaminated water by <i>Phragmites australis</i> in hydroponic systems. <i>Ecological Engineering</i> , 2018, 120, 126-133.	3.6	78
88	Efficient removal of radioactive uranium from solvent phase using AgOH-MWCNTs nanoparticles: Kinetic and thermodynamic study. <i>Chemical Engineering Journal</i> , 2015, 273, 296-306.	12.7	77
89	Silver colloid and film substrates in surface-enhanced Raman scattering for 2-thiouracil detection. <i>RSC Advances</i> , 2016, 6, 75282-75292.	3.6	77
90	Spectroscopic characterization approach to study surfactants effect on ZnO ₂ nanoparticles synthesis by laser ablation process. <i>Applied Surface Science</i> , 2010, 256, 4661-4666.	6.1	74

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91	Polycyclic aromatic hydrocarbons extraction and removal from wastewater by carbon nanotubes: A review of the current technologies, challenges and prospects. <i>Chemical Engineering Research and Design</i> , 2019, 122, 68-82.	5.6	74
92	A cellulose acetate based nanocomposite for photocatalytic degradation of methylene blue dye under solar light. <i>Ionics</i> , 2015, 21, 1787-1793.	2.4	71
93	Ferric oxide nanoparticles decorated carbon nanotubes and carbon nanofibers: From synthesis to enhanced removal of phenol. <i>Journal of Saudi Chemical Society</i> , 2015, 19, 511-520.	5.2	70
94	Advanced functional polymer nanocomposites and their use in water ultra-purification. <i>Trends in Environmental Analytical Chemistry</i> , 2019, 24, e00067.	10.3	70
95	Enhanced electrochemical degradation of 4-Nitrophenol molecules using novel Ti/TiO ₂ -NiO electrodes. <i>Journal of Molecular Liquids</i> , 2019, 289, 111108.	4.9	70
96	Experimental and analytical methods for testing inhibitors and fluids in water-based drilling environments. <i>TrAC - Trends in Analytical Chemistry</i> , 2022, 149, 116543.	11.4	70
97	Equilibrium and Thermodynamic Studies on the Removal and Recovery of Safranin-T Dye from Industrial Effluents. <i>Separation Science and Technology</i> , 2011, 46, 839-846.	2.5	69
98	Zeolite modified with copper oxide and iron oxide for lead and arsenic adsorption from aqueous solutions. <i>Journal of Water Supply: Research and Technology - AQUA</i> , 2016, 65, 465-479.	1.4	68
99	Ultra-deep adsorptive desulfurization of fuels on cobalt and molybdenum nanoparticles loaded on activated carbon derived from waste rubber. <i>Journal of Colloid and Interface Science</i> , 2018, 513, 779-787.	9.4	68
100	Synthesis of exfoliated polystyrene/anionic clay MgAl-layered double hydroxide: structural and thermal properties. <i>RSC Advances</i> , 2015, 5, 71441-71448.	3.6	67
101	Synthesis, characterisation and catalytic activity of dithiocarbazate Schiff base complexes in oxidation of cyclohexane. <i>Journal of Molecular Liquids</i> , 2017, 240, 486-496.	4.9	67
102	Catalytic oxidation of cyclohexane using transition metal complexes of dithiocarbazate Schiff base. <i>Chemical Engineering Journal</i> , 2017, 327, 423-430.	12.7	67
103	Amines modified fibers obtained from natural <i>Populus tremula</i> and their rapid biosorption of Acid Blue 25. <i>Journal of Molecular Liquids</i> , 2018, 250, 423-432.	4.9	67
104	Silver nanoparticles for detection of methimazole by surface-enhanced Raman spectroscopy. <i>Materials Research Bulletin</i> , 2017, 91, 173-178.	5.2	65
105	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.	20.2	65
106	Effect of boron on the efficiency of MoCo catalysts supported on alumina for the hydrodesulfurization of liquid fuels. <i>Chemical Engineering Research and Design</i> , 2019, 121, 165-174.	5.6	63
107	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.	4.9	63
108	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.	6.0	61

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109	Advanced trends of shale inhibitors for enhanced properties of water-based drilling fluid. <i>Upstream Oil and Gas Technology</i> , 2022, 8, 100069.	2.3	61
110	Hydroxylamine reduced silver colloid for naphthalene and phenanthrene detection using surface-enhanced Raman spectroscopy. <i>Chemical Engineering Journal</i> , 2016, 304, 141-148.	12.7	60
111	Estimating the refractive index of oxygenated and deoxygenated hemoglobin using genetic algorithm and support vector regression model. <i>Computer Methods and Programs in Biomedicine</i> , 2018, 163, 135-142.	4.7	60
112	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.	4.9	60
113	Spectroscopic and computational evaluation of cadmium adsorption using activated carbon produced from rubber tires. <i>Journal of Molecular Liquids</i> , 2013, 188, 136-142.	4.9	59
114	Synthesis of molybdenum cobalt nanocatalysts supported on carbon for hydrodesulfurization of liquid fuels. <i>Journal of Molecular Liquids</i> , 2018, 272, 715-721.	4.9	59
115	Silver-loaded graphene as an effective SERS substrate for clotrimazole detection: DFT and spectroscopic studies. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 201, 354-361.	3.9	59
116	Simultaneous sorption of dyes and toxic metals from waters using synthesized titania-incorporated polyamide. <i>Journal of Molecular Liquids</i> , 2018, 269, 564-571.	4.9	59
117	Efficient chemical etching procedure for the generation of superhydrophobic surfaces for separation of oil from water. <i>Progress in Organic Coatings</i> , 2019, 133, 27-32.	3.9	59
118	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.	5.6	59
119	Surface characterization and sorption efficacy of tire-derived carbon: experimental and semiempirical study of rhodamine B adsorption. <i>Surface and Interface Analysis</i> , 2015, 47, 785-792.	1.8	58
120	Poly (amidoxime) modified magnetic activated carbon for chromium and thallium adsorption: Statistical analysis and regeneration. <i>Chemical Engineering Research and Design</i> , 2019, 121, 254-262.	5.6	58
121	Characterization of valeric acid using substrate of silver nanoparticles with SERS. <i>Journal of Molecular Liquids</i> , 2019, 273, 536-542.	4.9	57
122	Superhydrophobic and superoleophilic carbon nanofiber grafted polyurethane for oil-water separation. <i>Chemical Engineering Research and Design</i> , 2019, 123, 327-334.	5.6	56
123	Synthesis of 9-octadecenoic acid grafted graphene modified with polystyrene for efficient light oil removal from water. <i>Journal of Cleaner Production</i> , 2019, 233, 946-953.	9.3	56
124	Enhanced oxidative desulfurization in a film-shear reactor. <i>Fuel</i> , 2015, 156, 142-147.	6.4	55
125	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.	4.9	55
126	Synthesis of bimetallic gold-palladium loaded on carbon as efficient catalysts for the oxidation of benzyl alcohol into benzaldehyde. <i>Journal of Molecular Liquids</i> , 2018, 271, 885-891.	4.9	54

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127	Poly(trimesoyl chloride-melamine) grafted on palygorskite for simultaneous ultra-trace removal of methylene blue and toxic metals. <i>Journal of Environmental Management</i> , 2018, 226, 358-364.	7.8	53
128	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.	10.0	51
129	Evaluation of AC/ZnO composite for sorption of dichloromethane, trichloromethane and carbon tetrachloride: kinetics and isotherms. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2015, 55, 159-169.	5.3	50
130	Spherical silver nanoparticles as substrates in surface-enhanced Raman spectroscopy for enhanced characterization of ketoconazole. <i>Materials Science and Engineering C</i> , 2017, 76, 356-364.	7.3	50
131	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.	12.7	50
132	Nanoparticles as components of electrochemical sensing platforms for the detection of petroleum pollutants: A review. <i>TrAC - Trends in Analytical Chemistry</i> , 2019, 118, 194-206.	11.4	49
133	Partially aminated acrylic acid grafted activated carbon as inexpensive shale hydration inhibitor. <i>Carbohydrate Research</i> , 2020, 491, 107960.	2.3	49
134	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.	3.7	49
135	Method and Mechanisms of Soil Stabilization Using Electric Arc Furnace Dust. <i>Scientific Reports</i> , 2017, 7, 46676.	3.3	48
136	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.	5.6	48
137	Enhanced efficiency of polyamide membranes by incorporating TiO ₂ -Graphene oxide for water purification. <i>Journal of Molecular Liquids</i> , 2021, 323, 114922.	4.9	48
138	Studies on the adsorption of amoxicillin on multi-wall carbon nanotubes. <i>Water Science and Technology</i> , 2017, 75, 1599-1606.	2.5	47
139	Transparent predictive modelling of catalytic hydrodesulfurization using an interval type-2 fuzzy logic. <i>Journal of Cleaner Production</i> , 2019, 231, 1079-1088.	9.3	47
140	Novel cross-linked melamine based polyamine/CNT composites for lead ions removal. <i>Journal of Environmental Management</i> , 2017, 192, 163-170.	7.8	46
141	Analytical methods for mercury speciation, detection, and measurement in water, oil, and gas. <i>TrAC - Trends in Analytical Chemistry</i> , 2020, 132, 116016.	11.4	46
142	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.	6.7	46
143	Simultaneous trapping of Cr(III) and organic dyes by a pH-responsive resin containing zwitterionic aminomethylphosphonate ligands and hydrophobic pendants. <i>Chemical Engineering Journal</i> , 2017, 330, 663-674.	12.7	44
144	Sensitive SERS detection and characterization of procaine in aqueous media by reduced gold nanoparticles. <i>Sensors and Actuators B: Chemical</i> , 2020, 304, 127057.	7.8	44

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145	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.	7.4	44
146	Trends in polymers functionalized nanostructures for analysis of environmental pollutants. <i>Trends in Environmental Analytical Chemistry</i> , 2020, 26, e00084.	10.3	44
147	Synthesis of a unique cross-linked polyzwitterion/anion with an aspartic acid residue and its use for Pb ²⁺ removal from aqueous solution. <i>RSC Advances</i> , 2015, 5, 42222-42232.	3.6	43
148	Novel graphene modified carbon-paste electrode for promazine detection by square wave voltammetry. <i>Journal of Molecular Liquids</i> , 2018, 252, 75-82.	4.9	43
149	A sensitive electrochemical sensor based on functionalized graphene oxide/SnO ₂ for the determination of eugenol. <i>Microchemical Journal</i> , 2020, 159, 105353.	4.5	43
150	Octanoate grafted graphene oxide as an effective inhibitor against oil well acidizing corrosion. <i>Journal of Molecular Liquids</i> , 2021, 325, 115060.	4.9	43
151	Effects of oxidizing medium on the composition, morphology and optical properties of copper oxide nanoparticles produced by pulsed laser ablation. <i>Applied Surface Science</i> , 2013, 286, 149-155.	6.1	42
152	Carbon nanofiber-doped zeolite as support for molybdenum based catalysts for enhanced hydrodesulfurization of dibenzothiophene. <i>Journal of Molecular Liquids</i> , 2020, 304, 112376.	4.9	42
153	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.	6.1	42
154	Optical Properties of Bismuth Oxide Nanoparticles Synthesized by Pulsed Laser Ablation in Liquids. <i>Science of Advanced Materials</i> , 2012, 4, 507-510.	0.7	42
155	Hydrophobic and oleophilic carbon nanofiber impregnated styrofoam for oil and water separation: A green technology. <i>Chemical Engineering Journal</i> , 2019, 360, 1613-1622.	12.7	41
156	Zeolite-graphene composite as support for molybdenum-based catalysts and their hydrodesulfurization performance. <i>Applied Catalysis A: General</i> , 2020, 598, 117542.	4.3	41
157	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.	6.7	41
158	Ultra-trace detection of methimazole by surface-enhanced Raman spectroscopy using gold substrate. <i>Vibrational Spectroscopy</i> , 2017, 90, 96-103.	2.2	40
159	Supervised machine learning techniques in the desulfurization of oil products for environmental protection: A review. <i>Chemical Engineering Research and Design</i> , 2018, 120, 57-71.	5.6	40
160	Structural properties, vibrational spectra and surface-enhanced Raman scattering of 2,4,6-trichloro- and tribromoanilines: A comparative study. <i>Journal of Molecular Structure</i> , 2016, 1121, 7-15.	3.6	38
161	Tetrakis(ethyl-4(4-butyryl)oxyphenyl)porphyrinato zinc complexes with 4,4'-bipyridin: synthesis, characterization, and its catalytic degradation of Calmagite. <i>RSC Advances</i> , 2018, 8, 20143-20156.	3.6	38
162	Magnetic vermiculite-modified by poly(trimesoyl chloride-melamine) as a sorbent for enhanced removal of bisphenol A. <i>Journal of Environmental Chemical Engineering</i> , 2019, 7, 103436.	6.7	38

#	ARTICLE	IF	CITATIONS
163	Kinetic and thermodynamic studies of fenton oxidative decolorization of methylene blue. <i>Heliyon</i> , 2020, 6, e04454.	3.2	38
164	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.	5.1	38
165	Kinetic and intraparticle diffusion studies of carbon nanotubes-titania for desulfurization of fuels. <i>Petroleum Science and Technology</i> , 2016, 34, 1468-1474.	1.5	37
166	Removal of cadmium ions from wastewater by dithiocarbamate functionalized pyrrole based terpolymers. <i>Separation and Purification Technology</i> , 2017, 177, 101-109.	7.9	37
167	Tailoring hydrophobic branch in polyzwitterionic resin for simultaneous capturing of Hg(II) and methylene blue with response surface optimization. <i>Scientific Reports</i> , 2017, 7, 4573.	3.3	37
168	Efficiency of generic and proprietary inhibitors in mitigating Corrosion of Carbon Steel in Chloride-Sulfate Environments. <i>Scientific Reports</i> , 2018, 8, 11443.	3.3	37
169	Synthesis of polyamine-CNT composites for the removal of toxic cadmium metal ions from wastewater. <i>Journal of Molecular Liquids</i> , 2020, 297, 111827.	4.9	37
170	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> , 2020, 20, 100510.	3.0	37
171	Dimethyl diallyl ammonium chloride and diallylamin Co-polymer modified bio-film derived from palm dates for the adsorption of dyes. <i>Scientific Reports</i> , 2017, 7, 14448.	3.3	36
172	The synergistic influence of polyethyleneimine-grafted graphene oxide and iodide for the protection of steel in acidizing conditions. <i>RSC Advances</i> , 2020, 10, 17739-17751.	3.6	36
173	Adsorption of phenol on aluminum oxide impregnated fly ash. <i>Desalination and Water Treatment</i> , 2016, 57, 6801-6808.	1.0	35
174	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.	4.9	35
175	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> , 2020, 29, 101313.	8.1	35
176	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.	4.9	35
177	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.	4.6	35
178	A novel cross-linked pH-responsive tetrapolymer: Synthesis, characterization and sorption evaluation towards Cr(III). <i>Chemical Engineering Journal</i> , 2015, 269, 9-19.	12.7	34
179	Predicting of the refractive index of haemoglobin using the Hybrid GA-SVR approach. <i>Computers in Biology and Medicine</i> , 2018, 98, 85-92.	7.0	34
180	Carbon nanotubes grafted with poly(trimesoyl, m-phenylenediamine) for enhanced removal of phenol. <i>Journal of Environmental Management</i> , 2019, 252, 109660.	7.8	34

#	ARTICLE	IF	CITATIONS
181	The effect of calcination temperature on the activity of hydrodesulfurization catalysts supported on mesoporous activated carbon. <i>Journal of Cleaner Production</i> , 2019, 211, 1567-1575.	9.3	34
182	An intelligent approach for the modeling and experimental optimization of molecular hydrodesulfurization over AlMoCoBi catalyst. <i>Journal of Molecular Liquids</i> , 2019, 278, 376-384.	4.9	34
183	Synthesis of efficient stable dendrimer-modified carbon for cleaner drilling shale inhibition. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 104792.	6.7	34
184	Removal of mercury (II) via a novel series of cross-linked polydithiocarbamates. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2016, 60, 602-616.	5.3	33
185	Meso-tetrakis(3,4,5-trimethoxyphenyl)porphyrin derivatives: Synthesis, spectroscopic characterizations and adsorption of NO ₂ . <i>Chemical Engineering Journal</i> , 2019, 375, 122005.	12.7	33
186	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.	6.7	33
187	Electrochemically modulated SERS detection of procaine using FTO electrodes modified with silver-decorated carbon nanosphere. <i>Electrochimica Acta</i> , 2021, 387, 138463.	5.2	33
188	Syntheses of Carbon Nanotube-Metal Oxides Composites; Adsorption and Photo-degradation. , 0, , .		32
189	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.	9.4	32
190	Biogenic glutamic acid-based resin: Its synthesis and application in the removal of cobalt(II). <i>Journal of Hazardous Materials</i> , 2017, 327, 44-54.	12.4	31
191	Graphene grafted with glucopyranose as a shale swelling inhibitor in water-based drilling mud. <i>Applied Clay Science</i> , 2020, 199, 105806.	5.2	31
192	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.	5.6	31
193	Enhanced efficiency of polyamide membranes by incorporating cyclodextrin-graphene oxide for water purification. <i>Journal of Molecular Liquids</i> , 2021, 340, 116991.	4.9	30
194	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.	5.6	30
195	Nanomaterials for Pharmaceuticals Determination. <i>Bioenergetics: Open Access</i> , 2016, 5, .	0.1	29
196	New series of benzene-1,3,5-triamine based cross-linked polyamines and polyamine/CNT composites for lead ion removal from aqueous solutions. <i>Chemical Engineering Journal</i> , 2018, 333, 76-84.	12.7	29
197	Synthesis of the (4,4'-bipyridine)(5,10,15,20-tetratolylphenylporphyrinato)zinc(II) bis(4,4-bipyridine) disolvate dehydrate and evaluation of its interaction with organic dyes. <i>Journal of Molecular Liquids</i> , 2018, 264, 134-142.	4.9	29
198	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.	2.9	29

#	ARTICLE	IF	CITATIONS
199	Visible Light-Driven Photoelectrocatalytic Water Splitting Using Z-Scheme Ag-Decorated MoS ₂ /RGO/NiWO ₄ Heterostructure. ACS Omega, 2020, 5, 31644-31656.	3.5	29
200	Evaluation of the corrosion inhibition efficacy of Cola acuminata extract for low carbon steel in simulated acid pickling environment. Environmental Science and Pollution Research, 2020, 27, 34270-34288.	5.3	29
201	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.	8.0	29
202	Performance of corrosion inhibitors in cracked and uncracked silica fume cement concrete beams. European Journal of Environmental and Civil Engineering, 2020, 24, 1573-1588.	2.1	28
203	A review on multicomponent reactions catalysed by zero-dimensional/one-dimensional titanium dioxide (TiO ₂) nanomaterials: Promising green methodologies in organic chemistry. Journal of Environmental Management, 2021, 279, 111603.	7.8	28
204	Advances in Carbon Nanostructures and Nanocellulose as Additives for Efficient Drilling Fluids: Trends and Future Perspective—A Review. Energy & Fuels, 2021, 35, 7319-7339.	5.1	28
205	Hydrophobic polymer-modified nanosilica as effective shale inhibitor for water-based drilling mud. Journal of Petroleum Science and Engineering, 2022, 209, 109868.	4.2	28
206	Atomistic simulation of polymer-cement interactions: Progress and research challenges. Construction and Building Materials, 2022, 327, 126881.	7.2	28
207	Modeling the viscosity of nanofluids using artificial neural network and Bayesian support vector regression. Journal of Applied Physics, 2020, 128, .	2.5	27
208	Rapid inexpensive assay method for verapamil by spectrophotometric sequential injection analysis. Drug Testing and Analysis, 2011, 3, 380-386.	2.6	26
209	Superhydrophobic Polypropylene Functionalized with Nanoparticles for Efficient Fast Static and Dynamic Separation of Spilled Oil from Water. Global Challenges, 2019, 3, 1800115.	3.6	26
210	Recent trends in functionalized nanoparticles loaded polymeric composites: An energy application. Materials Science for Energy Technologies, 2020, 3, 515-525.	1.8	26
211	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.	9.3	26
212	Synthesis of novel Co ₃ O ₄ nanocubes-NiO octahedral hybrids for electrochemical energy storage supercapacitors. Journal of Environmental Management, 2021, 298, 113484.	7.8	26
213	Synthesis of Multiwalled Carbon Nanotubes-Titania Nanomaterial for Desulfurization of Model Fuel. Journal of Nanomaterials, 2014, 2014, 1-6.	2.7	25
214	Evaluation of micro- and nano-carbon-based adsorbents for the removal of phenol from aqueous solutions. Toxicological and Environmental Chemistry, 2015, 97, 1164-1179.	1.2	25
215	Nonenzymatic amperometric dopamine sensor based on a carbon ceramic electrode of type SiO ₂ /C modified with Co ₃ O ₄ nanoparticles. Mikrochimica Acta, 2019, 186, 471.	5.0	25
216	Influence of titanium oxide on the performance of molybdenum catalysts loaded on zeolite toward hydrodesulfurization reactions. Microporous and Mesoporous Materials, 2020, 303, 110188.	4.4	25

#	ARTICLE	IF	CITATIONS
217	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.	5.3	25
218	Assessment of physicochemical characteristics in groundwater quality parameters. <i>Environmental Technology and Innovation</i> , 2021, 24, 101877.	6.1	25
219	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.	3.0	25
220	Spectroscopic, DFT and trace detection study of procaine using surface-enhanced Raman scattering technique. <i>Chemical Physics Letters</i> , 2019, 730, 617-622.	2.6	24
221	Effect of the oxidation process on the molecular interaction of polyaromatic hydrocarbons (PAH) with carbon nanotubes: Adsorption kinetic and isotherm study. <i>Journal of Molecular Liquids</i> , 2019, 289, 111107.	4.9	23
222	Hemodialysis performance and anticoagulant activities of PVP-k25 and carboxylic-multiwall nanotube composite blended Polyethersulfone membrane. <i>Materials Science and Engineering C</i> , 2019, 103, 109769.	7.3	23
223	Fast and sensitive detection of Procainamide: Combined SERS and DFT modeling studies. <i>Journal of Molecular Liquids</i> , 2021, 343, 117633.	4.9	23
224	Sensing of chlorpheniramine in pharmaceutical applications by sequential injector coupled with potentiometer. <i>Journal of Pharmaceutical Analysis</i> , 2011, 1, 246-250.	5.3	22
225	Development of a predictive model for estimating the specific heat capacity of metallic oxides/ethylene glycol-based nanofluids using support vector regression. <i>Heliyon</i> , 2019, 5, e01882.	3.2	22
226	Pseudobactins bounded iron nanoparticles for control of an antibiotic-resistant <i>Pseudomonas aeruginosa</i> strain. <i>Biotechnology Progress</i> , 2020, 36, e2907.	2.6	22
227	Mercury Removal from Water Using a Novel Composite of Polyacrylate-Modified Carbon. <i>ACS Omega</i> , 2022, 7, 14820-14831.	3.5	22
228	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.	5.6	22
229	Silica nanoparticles loaded on activated carbon for simultaneous removal of dichloromethane, trichloromethane, and carbon tetrachloride. <i>Advanced Powder Technology</i> , 2016, 27, 1719-1729.	4.1	21
230	Silver nanoparticles embedded in polystyrene-polyvinyl pyrrolidone nanocomposites using γ -ray irradiation: Physico-chemical properties. <i>Results in Physics</i> , 2017, 7, 1319-1328.	4.1	21
231	Fabrication and performance evaluation of blood compatible hemodialysis membrane using carboxylic multiwall carbon nanotubes and low molecular weight polyvinylpyrrolidone based nanocomposites. <i>Journal of Biomedical Materials Research - Part A</i> , 2019, 107, 513-525.	4.0	21
232	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.	2.9	21
233	SERS-based trace-level quantification of sulindac: Spectroscopic and molecular modeling evaluation. <i>Journal of Molecular Liquids</i> , 2020, 312, 113402.	4.9	21
234	Molecular Simulation of Cement-Based Materials and Their Properties. <i>Engineering</i> , 2022, 15, 165-178.	6.7	21

#	ARTICLE	IF	CITATIONS
235	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.	9.4	21
236	A flexible biomimetic superhydrophobic and superoleophilic 3D macroporous polymer-based robust network for the efficient separation of oil-contaminated water. <i>RSC Advances</i> , 2020, 10, 5088-5097.	3.6	21
237	Electrochemical Investigation of Gold Nanoparticle-Modified Glassy Carbon Electrode and its Application in Ketoconazole Determination. <i>Australian Journal of Chemistry</i> , 2016, 69, 1314.	0.9	20
238	Modified gold and polymeric gold nanostructures: Toxicology and biomedical applications. <i>Colloids and Interface Science Communications</i> , 2021, 42, 100412.	4.1	20
239	Surface-modified biopolymer as an environment-friendly shale inhibitor and swelling control agent. <i>Journal of Molecular Liquids</i> , 2021, 342, 117275.	4.9	20
240	A Strategy for Integrating Basic Concepts of Nanotechnology to Enhance Undergraduate Nano-Education: Statistical Evaluation of an Application Study. <i>Journal of Nano Education (Print)</i> , 2013, 4, 1-7.	0.3	20
241	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.	9.4	20
242	Aminomethylphosphonate Chelating Ligand and Octadecyl Alkyl Chain in a Resin for Simultaneous Removal of Co(II) Ions and Organic Contaminants. <i>Journal of Chemical & Engineering Data</i> , 2016, 61, 3377-3385.	1.9	19
243	Conformational, NBO, NLO, HOMO-LUMO, NMR, electronic spectral study and molecular docking study of N,N-Dimethyl-3-(10H-phenothiazin-10-yl)-1-propanamine. <i>Journal of Molecular Structure</i> , 2016, 1122, 268-279.	3.6	19
244	Mad honey: uses, intoxicating/poisoning effects, diagnosis, and treatment. <i>RSC Advances</i> , 2018, 8, 18635-18646.	3.6	19
245	Graphene oxide grafted with dopamine as an efficient corrosion inhibitor for oil well acidizing environments. <i>Surfaces and Interfaces</i> , 2021, 24, 101046.	3.0	19
246	Synthesis of amyl ester grafted on carbon-nanopolymer composite as an inhibitor for cleaner shale drilling. <i>Petroleum</i> , 2022, 8, 529-537.	2.8	19
247	Melamine-modified polyacrylic grafted on activated carbon and its efficiency for shale inhibition. <i>Upstream Oil and Gas Technology</i> , 2022, 8, 100065.	2.3	19
248	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.	3.5	19
249	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.	5.0	19
250	Degradation of Calmagite by dichloride (5,10,15,20-tetraphenylporphyrinato)antimony hexachloridoantimonate: [Sb(TPP)Cl ₂] SbCl ₆ . <i>Inorganic Chemistry Communication</i> , 2019, 104, 54-60.	3.9	18
251	Influence of planting distance and density on the yield and photosynthetic traits of sweet potato (<i>Ipomoea batatas</i> L.) under an intercropping system with walnut (<i>Juglans regia</i>) saplings. <i>Soil and Tillage Research</i> , 2020, 196, 104484.	5.6	18
252	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.	3.5	18

#	ARTICLE	IF	CITATIONS
253	Synthesis of CuFe ₂ xEr _x O ₄ nanoparticles and their magnetic, structural and dielectric properties. <i>Physica B: Condensed Matter</i> , 2020, 588, 412176.	2.7	17
254	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.	3.6	17
255	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.	4.9	17
256	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.	3.6	16
257	Detection: From Electrochemistry to Spectroscopy with Chromatographic Techniques, Recent Trends with Nanotechnology. <i>Detection</i> , 2014, 02, 27-32.	0.8	16
258	Hydrophobic and oleophilic amine-functionalised graphene/polyethylene nanocomposite for oil-water separation. <i>Environmental Technology and Innovation</i> , 2022, 27, 102391.	6.1	16
259	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.	5.8	16
260	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.	3.8	16
261	Preparation and characterization of CuI/PVA-PEDOT:PSS core-shell for photovoltaic application. <i>Optik</i> , 2014, 125, 2009-2016.	2.9	15
262	Selective photocatalytic oxidation of aromatic alcohols into aldehydes by tungsten blue oxide (TBO) anchored with Pt nanoparticles. <i>RSC Advances</i> , 2016, 6, 71108-71116.	3.6	15
263	Novel hydrophobic macroporous polypropylene monoliths for efficient separation of hydrocarbons. <i>Composites Part B: Engineering</i> , 2019, 173, 106805.	12.0	15
264	Graphene grafted with polyethyleneimine for enhanced shale inhibition in the water-based drilling fluid. <i>Environmental Nanotechnology, Monitoring and Management</i> , 2020, 14, 100348.	2.9	15
265	Effect of ultrasonication and chelating agents on the dispersion of NiMo catalysts on carbon for Hydrodesulphurization. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 103811.	6.7	15
266	Ultrasonic-assisted synthesis of polythiophene-carbon nanotubes composites as supercapacitors. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 16203-16214.	2.2	15
267	Development and characterization of polymer-modified vermiculite composite as novel highly-efficient adsorbent for water treatment. <i>Surfaces and Interfaces</i> , 2021, 27, 101504.	3.0	15
268	Simultaneous removal of polyaromatic hydrocarbons from water using polymer modified carbon. <i>Biomass Conversion and Biorefinery</i> , 2024, 14, 567-576.	4.6	15
269	Testing the effectiveness of visual aids in chemical safety training. <i>Journal of Chemical Health and Safety</i> , 2011, 18, 3-8.	2.1	14
270	Portable system of programmable syringe pump with potentiometer for determination of promethazine in pharmaceutical applications. <i>Saudi Pharmaceutical Journal</i> , 2012, 20, 155-160.	2.7	14

#	ARTICLE	IF	CITATIONS
271	Electrochemical detection of thiocyanate using phosphate-modified zeolite carbon paste electrodes. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2017, 72, 236-243.	5.3	14
272	Initiator-Free Natural Light-Driven Vapor Phase Synthesis of a Porous Network of 3D Polystyrene Branched Carbon Nanofiber Grafted Polyurethane for Hexane /Water Separation. <i>ChemistrySelect</i> , 2018, 3, 8312-8318.	1.5	14
273	Synthesis of novel 6-substituted-5,6-Dihydrobenzo[4,5] Imidazo[1,2-c] quinazoline compounds and evaluation of their properties. <i>Journal of Molecular Structure</i> , 2019, 1193, 482-494.	3.6	14
274	Molybdenum boron based catalysts loaded on MnO alumina support for hydrodesulfurization of dibenzothiophene. <i>Inorganic Chemistry Communication</i> , 2022, 138, 109237.	3.9	14
275	Removal of alkanes by novel grassy cabbage microbuds prepared by an electrochemical method. <i>Chemical Engineering Journal</i> , 2021, 407, 126216.	12.7	13
276	Phase Transformation and Structural Characterization Studies of Aluminum Oxide (Al ₂ O ₃) Nanoparticles Synthesized Using an Elegant Pulsed Laser Ablation in Liquids Technique. <i>Nanoscience and Nanotechnology Letters</i> , 2016, 8, 953-960.	0.4	13
277	Azo-Linked Porous Organic Polymers for Selective Carbon Dioxide Capture and Metal Ion Removal. <i>ACS Omega</i> , 2022, 7, 14535-14543.	3.5	13
278	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.	4.2	13
279	Microwave-induced H ₂ SO ₄ activation of activated carbon derived from rice agricultural wastes for sorption of methylene blue from aqueous solution. <i>Desalination and Water Treatment</i> , 0, , 1-14.	1.0	12
280	Volume change and microstructure of calcareous soils contaminated with sulfuric acid. <i>Chemical Engineering Research and Design</i> , 2018, 120, 227-236.	5.6	12
281	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.	3.1	12
282	Smart advanced responsive materials, synthesis methods and classifications: from Lab to applications. <i>Journal of Polymer Research</i> , 2021, 28, 1.	2.4	12
283	Nanocomposites and Hybrid Materials for Adsorptive Desulfurization. <i>Advances in Chemical and Materials Engineering Book Series</i> , 2016, , 129-153.	0.3	12
284	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.	1.9	12
285	Multiobjectives optimization in petroleum refinery catalytic desulfurization using Machine learning approach. <i>Fuel</i> , 2022, 322, 124088.	6.4	12
286	Kinetic and computational evaluation of activated carbon produced from rubber tires toward the adsorption of nickel in aqueous solutions. <i>Desalination and Water Treatment</i> , 2016, 57, 17570-17578.	1.0	11
287	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.	4.9	11
288	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.	4.2	11

#	ARTICLE	IF	CITATIONS
289	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.	5.3	11
290	Stabilisation of dune sand using electric arc furnace dust. <i>International Journal of Pavement Engineering</i> , 2017, 18, 513-520.	4.4	10
291	Lead ion removal by novel highly cross-linked Mannich based polymers. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2017, 70, 345-351.	5.3	10
292	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.	2.9	10
293	Statistical analysis and physicochemical characteristics of groundwater water quality parameters: a case study. <i>International Journal of Environmental Analytical Chemistry</i> , 2023, 103, 2270-2291.	3.3	10
294	Modeling the Specific Surface Area of Doped Spinel Ferrite Nanomaterials Using Hybrid Intelligent Computational Method. <i>Journal of Nanomaterials</i> , 2021, 2021, 1-13.	2.7	10
295	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.	3.3	10
296	Influence of γ -ray irradiation doses on physicochemical properties of silver polystyrene polyvinyl pyrrolidone nanocomposites. <i>Materials Chemistry and Physics</i> , 2019, 226, 250-256.	4.0	9
297	Intelligent modeling of dye removal by aluminized activated carbon. <i>Environmental Science and Pollution Research</i> , 2022, 29, 58950-58962.	5.3	9
298	Fast Scalable Synthetic Methodology to Prepare Nanoflower-Shaped Bi/BiOCl ₂ /Br ₂ Heterojunction for Efficient Immobilized Photocatalytic Reactors under Visible Light Irradiation. <i>Advanced Sustainable Systems</i> , 2022, 6, .	5.3	9
299	Effect of post-annealing temperature on structural and optical properties of nano-ZnO synthesised from ZnO by laser ablation method. <i>International Journal of Nanoparticles</i> , 2010, 3, 257.	0.3	8
300	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.	6.7	8
301	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.	4.9	8
302	Interdependence between temperature and precipitation: modeling using copula method toward climate protection. <i>Modeling Earth Systems and Environment</i> , 2022, 8, 2753-2766.	3.4	7
303	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.	3.6	7
304	Principles and Advantages of Microwave-Assisted Methods for the Synthesis of Nanomaterials for Water Purification. <i>Advances in Environmental Engineering and Green Technologies Book Series</i> , 0, , 40-57.	0.4	7
305	Cement-based batteries design and performance. A review. <i>Environmental Chemistry Letters</i> , 2022, 20, 1671-1694.	16.2	7
306	Synthesis of novel cross-linked cyclopolymer bearing polyzwitterion-dianionic moieties and its sorption efficiency for Ni(II) removal from waters. <i>Chemical Engineering Research and Design</i> , 2016, 106, 337-346.	5.6	6

#	ARTICLE	IF	CITATIONS
307	Highly Efficient Modified Activated Carbon as Shale Inhibitor for Water Based Drilling Mud Modification. , 2020, , .		6
308	Carbon-Based Nanomaterials for Desulfurization. Advances in Chemical and Materials Engineering Book Series, 2016, , 154-179.	0.3	6
309	Artificial intelligence approach for modeling petroleum refinery catalytic desulfurization process. Neural Computing and Applications, 2022, 34, 17809-17820.	5.6	6
310	Application of dc and mark-space bias differential electrolytic potentiometry for determination of cyanide using a programmable syringe pump. Applied Water Science, 2011, 1, 67-72.	5.6	5
311	Naturalâ€œLightâ€œInitiated 3D Macro Zigzag Architecture of Grapheneâ€œReinforced Polystyrene for Gravityâ€œDriven Oil and Water Separation. Global Challenges, 2018, 2, 1800040.	3.6	5
312	Photochemically Produced Superhydrophobic Silane@polystyreneâ€œCoated Polypropylene Fibrous Network for Oil/Water Separation. Chemistry - an Asian Journal, 2021, 16, 329-341.	3.3	5
313	Synthesis of a Novel Polymer-Assisted AlNiMn Nanomaterial for Efficient Removal of Sulfate Ions from Contaminated Water. Journal of Polymers and the Environment, 2021, 29, 2840-2854.	5.0	5
314	Technological trends in nanosilica synthesis and utilization in advanced treatment of water and wastewater. Environmental Science and Pollution Research, 2022, 29, 42560-42600.	5.3	5
315	Spectroanalytical SERS-based detection of trace-level procainamide using green-synthesized gold nanoparticles. Surfaces and Interfaces, 2022, 31, 102059.	3.0	5
316	Synthesis and characterization of copper oxides nanoparticles via pulsed laser ablation in liquid. , 2013, , .		4
317	Synthesis, Surface Morphology and Properties of Polystyrene Modified Synthetic Clay Nanocomposites. Asian Journal of Chemistry, 2015, 27, 3900-3906.	0.3	4
318	Synthesis of phosphate-modified zeolite as a modifier in carbon paste electrode for nitrite electrochemical detection. Journal of Materials Science: Materials in Electronics, 2019, 30, 3283-3293.	2.2	4
319	An Overview of Nanomaterials for Water Technology. Advances in Environmental Engineering and Green Technologies Book Series, 0, , 1-12.	0.4	4
320	Predicting the density of carbon-based nanomaterials in diesel oil through computational intelligence methods. Journal of Thermal Analysis and Calorimetry, 2022, 147, 8699-8707.	3.6	4
321	Growth of metal oxide nanoparticles using pulsed laser ablation technique. , 2011, , .		3
322	Facile Preparation of Supported Copper-modified SBA-15 Catalysts for efficient Benzaldehyde Hydrogenation. Surfaces and Interfaces, 2022, 30, 101955.	3.0	3
323	Comparative study of air and glass-modified graphene rectangular waveguide for surface wave propagation. Journal of Materials Science: Materials in Electronics, 2022, 33, 13316-13325.	2.2	3
324	Effect of Calcination Temperature on the Morphology of Carbon Nanosphere Synthesized from Polymethylmethacrylate. Advanced Materials Research, 2014, 974, 55-59.	0.3	2

#	ARTICLE	IF	CITATIONS
325	Desulfurization of Model Fuels with Carbon Nanotube/TiO ₂ Nanomaterial Adsorbents: Comparison of Batch and Film-Shear Reactor Processes. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2016, 26, 572-578.	3.7	2
326	Prediction of the lattice constants of pyrochlore compounds using machine learning. <i>Soft Computing</i> , 0, , .	3.6	2
327	Advanced Desulfurization Technologies and Mechanisms. <i>Advances in Chemical and Materials Engineering Book Series</i> , 2020, , 1-24.	0.3	1
328	Scientific Insights Into Modified and Non-Modified Biomaterials for Sorption of Heavy Metals From Water. , 2020, , 807-827.		1
329	Environmental Concerns and the Importance of Desulfurization. <i>Advances in Chemical and Materials Engineering Book Series</i> , 2020, , 284-294.	0.3	1
330	Effect of modification of Haloxylon recurvum biomass on the sorption of acidic dye from aqueous media. <i>Biomass Conversion and Biorefinery</i> , 2024, 14, 4813-4827.	4.6	1
331	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.	3.3	1
332	An Overview of Nanomaterials for Water Technology. , 2021, , 105-114.		0
333	Principles and Advantages of Microwave-Assisted Methods for the Synthesis of Nanomaterials for Water Purification. , 2021, , 426-439.		0
334	Polymer Consumption, Environmental Concerns, Possible Disposal Options, and Recycling for Water Treatment. , 2020, , 971-989.		0
335	Scientific Insights Into Modified and Non-Modified Biomaterials for Sorption of Heavy Metals From Water. <i>Advances in Environmental Engineering and Green Technologies Book Series</i> , 0, , 13-39.	0.4	0