

# Mistakes and inconsistencies regarding adsorption of co solutions: A critical review

Water Research

120, 88-116

DOI: [10.1016/j.watres.2017.04.014](https://doi.org/10.1016/j.watres.2017.04.014)

Citation Report

#	ARTICLE	IF	CITATIONS
3	Adsorptive removal of potentially toxic metals (cadmium, copper, nickel and zinc) by chemically treated laterite: Single and multicomponent batch and column study. <i>Journal of Environmental Chemical Engineering</i> , 2017, 5, 3273-3289.	3.3	37
4	Biomass-derived nitrogen-doped hierarchically porous carbon networks as efficient adsorbents for phenol removal from wastewater over a wide pH range. <i>RSC Advances</i> , 2017, 7, 46629-46635.	1.7	33
5	Synergistic dye adsorption by biochar from co-pyrolysis of spent mushroom substrate and <i>Saccharina japonica</i> . <i>Bioresource Technology</i> , 2017, 244, 1142-1149.	4.8	91
6	A nanoporous graphene analog for superfast heavy metal removal and continuous-flow visible-light photoredox catalysis. <i>Journal of Materials Chemistry A</i> , 2017, 5, 20180-20187.	5.2	30
7	Highly efficient and selective phosphate removal from wastewater by magnetically recoverable $\text{La}(\text{OH})_3/\text{Fe}_3\text{O}_4$ nanocomposites. <i>Water Research</i> , 2017, 126, 179-188.	5.3	279
8	Artificial neural network optimization for methyl orange adsorption onto polyaniline nano-adsorbent: Kinetic, isotherm and thermodynamic studies. <i>Journal of Molecular Liquids</i> , 2017, 244, 189-200.	2.3	141
9	Application of ultrasound modified corn straw as adsorbent for malachite green removal from synthetic and real effluents. <i>Environmental Science and Pollution Research</i> , 2017, 24, 21484-21495.	2.7	41
10	Removal and recovery of phosphate from water by a magnetic $\text{Fe}_3\text{O}_4$ @ASC adsorbent. <i>Journal of Environmental Chemical Engineering</i> , 2017, 5, 4229-4238.	3.3	33
11	Specific Recovery and In Situ Reduction of Precious Metals from Waste To Create MOF Composites with Immobilized Nanoclusters. <i>Industrial &amp; Engineering Chemistry Research</i> , 2017, 56, 13975-13982.	1.8	64
12	Adsorption and desorption of potentially toxic metals on modified biosorbents through new green grafting process. <i>Environmental Science and Pollution Research</i> , 2018, 25, 12808-12820.	2.7	58
13	Modelling of dye adsorption from aqueous solution on polyaniline/carboxymethyl cellulose/ $\text{TiO}_2$ nanocomposites. <i>Journal of Colloid and Interface Science</i> , 2018, 519, 154-173.	5.0	104
15	Animal manure-derived biochars produced via fast pyrolysis for the removal of divalent copper from aqueous media. <i>Journal of Environmental Management</i> , 2018, 213, 109-118.	3.8	76
16	Degree of time dependency of kinetic coefficient as a function of adsorbate concentration; new insights from adsorption of tetracycline onto monodispersed starch-stabilized magnetic nanocomposite. <i>Journal of Environmental Management</i> , 2018, 218, 139-147.	3.8	31
17	Iron-loaded Sphagnum moss extract residue for phosphate removal. <i>Journal of Environmental Management</i> , 2018, 218, 271-279.	3.8	18
18	Composites of ZnO nanoparticles and biomass based activated carbon: adsorption, photocatalytic and antibacterial capacities. <i>Water Science and Technology</i> , 2018, 2017, 492-508.	1.2	32
19	Sequential application of microwave and conventional heating methods for preparation of activated carbon from biomass and its methylene blue adsorption. <i>Applied Thermal Engineering</i> , 2018, 138, 542-551.	3.0	63
20	Effect of pre-treatment of bentonite with sodium and calcium ions on phosphate adsorption onto zirconium-modified bentonite. <i>Journal of Environmental Management</i> , 2018, 217, 183-195.	3.8	84
21	Overview of As(V) adsorption on Zr-functionalized activated carbon for aqueous streams remediation. <i>Journal of Environmental Management</i> , 2018, 212, 121-130.	3.8	25

#	ARTICLE	IF	CITATIONS
22	Isotherm and kinetic investigations on the adsorption of organophosphorus pesticides on graphene oxide based silica coated magnetic nanoparticles functionalized with 2-phenylethylamine. <i>Journal of Environmental Chemical Engineering</i> , 2018, 6, 1333-1346.	3.3	115
23	Water defluoridation with avocado-based adsorbents: Synthesis, physicochemical characterization and thermodynamic studies. <i>Journal of Molecular Liquids</i> , 2018, 254, 188-197.	2.3	31
24	Characterization of EDTA-cross-linked $\beta$ -cyclodextrin grafted onto Fe-Al hydroxides as an efficient adsorbent for methylene blue. <i>Journal of Colloid and Interface Science</i> , 2018, 516, 98-109.	5.0	43
25	Efficient removal of Acid Green 25 dye from wastewater using activated <i>Prunus Dulcis</i> as biosorbent: Batch and column studies. <i>Journal of Environmental Management</i> , 2018, 210, 226-238.	3.8	100
26	Supersorption Capacity of Anionic Dye by Newer Chitosan Hydrogel Capsules via Green Surfactant Exchange Method. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 3604-3614.	3.2	56
27	Valorization of Metallurgical Slag for the Treatment of Water Pollution: An Emerging Technology for Resource Conservation and Re-utilization. <i>Journal of Sustainable Metallurgy</i> , 2018, 4, 50-67.	1.1	19
28	Preparation of an alternative adsorbent from <i>Acacia Mearnsii</i> wastes through acetosolv method and its application for dye removal. <i>Journal of Cleaner Production</i> , 2018, 180, 386-394.	4.6	47
29	On the recalcitrant use of Arnon's method for chlorophyll determination. <i>New Phytologist</i> , 2018, 217, 474-476.	3.5	15
30	Removal of Procion Red dye from colored effluents using H <sub>2</sub> SO <sub>4</sub> /HNO <sub>3</sub> -treated avocado shells ( <i>Persea americana</i> ) as adsorbent. <i>Environmental Science and Pollution Research</i> , 2018, 25, 6429-6442.	2.7	44
31	Adsorption property of Br-PADAP-impregnated multiwall carbon nanotubes towards uranium and its performance in the selective separation and determination of uranium in different environmental samples. <i>Ecotoxicology and Environmental Safety</i> , 2018, 150, 136-143.	2.9	62
32	Efficient removal of copper and lead by Mg/Al layered double hydroxides intercalated with organic acid anions: Adsorption kinetics, isotherms, and thermodynamics. <i>Applied Clay Science</i> , 2018, 154, 17-27.	2.6	97
33	Microwave synthesis of silica nanoparticles and its application for methylene blue adsorption. <i>Journal of Environmental Chemical Engineering</i> , 2018, 6, 649-659.	3.3	137
34	A pH-responsive and magnetic Fe <sub>3</sub> O <sub>4</sub> @silica@MIL-100(Fe)/ $\beta$ -CD nanocomposite as a drug nanocarrier: loading and release study of cephalexin. <i>New Journal of Chemistry</i> , 2018, 42, 9690-9701.	1.4	73
35	Critical of linear and nonlinear equations of pseudo-first order and pseudo-second order kinetic models. <i>Karbala International Journal of Modern Science</i> , 2018, 4, 244-254.	0.5	260
36	Adsorption of urea onto granular activated alumina: A comparative study with granular activated carbon. <i>Journal of Dispersion Science and Technology</i> , 2018, 39, 1699-1709.	1.3	32
37	Physical properties and adsorption kinetics of silica-gel/water for adsorption chillers. <i>Applied Thermal Engineering</i> , 2018, 137, 368-376.	3.0	44
38	Performance and mechanisms of thermally treated bentonite for enhanced phosphate removal from wastewater. <i>Environmental Science and Pollution Research</i> , 2018, 25, 15980-15989.	2.7	30
39	Detailed sorption characteristics of the anti-diabetic drug metformin and its transformation product guanlyurea in agricultural soils. <i>Science of the Total Environment</i> , 2018, 630, 1258-1268.	3.9	20

#	ARTICLE	IF	CITATIONS
40	Effect of graphene oxide surface modification on the elimination of Co(II) from aqueous solutions. <i>Chemical Engineering Journal</i> , 2018, 344, 380-390.	6.6	132
41	Natural organic matter residue as a low cost adsorbent for aluminum. <i>Journal of Environmental Management</i> , 2018, 215, 91-99.	3.8	17
42	Enhanced adsorption of phthalic acid esters (PAEs) from aqueous solution by alkylbenzene-functionalized polypropylene nonwoven and its adsorption mechanism insight. <i>Chemical Engineering Journal</i> , 2018, 331, 406-415.	6.6	39
43	Combustion synthesis of graphene for water treatment. <i>Ceramics International</i> , 2018, 44, 2463-2469.	2.3	19
44	Amino acids-intercalated Mg/Al layered double hydroxides as dual-electronic adsorbent for effective removal of cationic and oxyanionic metal ions. <i>Separation and Purification Technology</i> , 2018, 192, 36-45.	3.9	84
45	Comment on "Mistakes and inconsistencies regarding adsorption of contaminants from aqueous solution: A critical review, published by Tran et al. [ <i>Water Research</i> 120, 2017, 88-116]". <i>Water Research</i> , 2018, 129, 520-521.	5.3	30
46	Chitosan-edible oil based materials as upgraded adsorbents for textile dyes. <i>Carbohydrate Polymers</i> , 2018, 180, 182-191.	5.1	35
47	Preparation of mesoporous geopolymer using metakaolin and rice husk ash as synthesis precursors and its use as potential adsorbent to remove organic dye from aqueous solutions. <i>Ceramics International</i> , 2018, 44, 416-423.	2.3	116
48	Adsorption of Amido Black 10B from aqueous solution using polyaniline/SiO <sub>2</sub> nanocomposite: Experimental investigation and artificial neural network modeling. <i>Journal of Colloid and Interface Science</i> , 2018, 510, 246-261.	5.0	148
49	A new hydrotalcite-like adsorbent FeMnMg-LDH and its adsorption capacity for Pb <sup>2+</sup> ions in water. <i>Applied Clay Science</i> , 2018, 153, 29-37.	2.6	94
50	Optimized treatment of wastewater containing cytotoxic drugs by living and dead biomass of the freshwater microalga, <i>Chlorella vulgaris</i> . <i>Ecological Engineering</i> , 2018, 111, 85-93.	1.6	27
51	Efficient removal of anionic and cationic dyes from aqueous systems using spent Yerba Mate "cellex paraguariensis". <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2018, 82, 144-155.	2.7	30
52	Adsorption thermodynamics of cationic dyes (methylene blue and crystal violet) to a natural clay mineral from aqueous solution between 293.15 and 323.15 K. <i>Arabian Journal of Chemistry</i> , 2018, 11, 615-623.	2.3	106
53	Abatement of humic acid from aqueous solution using a carbonaceous conjugated microporous polymer derived from waste polystyrene. <i>Environmental Science and Pollution Research</i> , 2018, 25, 3291-3300.	2.7	5
54	Saccharide-derived microporous spherical biochar prepared from hydrothermal carbonization and different pyrolysis temperatures: synthesis, characterization, and application in water treatment. <i>Environmental Technology (United Kingdom)</i> , 2018, 39, 2747-2760.	1.2	38
56	Adsorción de Cadmio, Cobre y Plomo en Bentonita, Caolín y Zeolita Naturales y Modificadas: Una Revisión de los Parámetros de Operación, Isotermas y Cinética. <i>Ingeniería</i> , 2018, 23, .	0.1	5
57	A multi-site mechanism model for studying Pb and Cu retention from aqueous solutions by Fe-Mg-rich clays. <i>Clay Minerals</i> , 2018, 53, 175-192.	0.2	5
58	Context-Dependent Parental Effects on Clonal Offspring Performance. <i>Frontiers in Plant Science</i> , 2018, 9, 1824.	1.7	18

#	ARTICLE	IF	CITATIONS
59	Kinetics, Thermodynamics, and Competitive Adsorption of Heavy Metals from Water Using Orange Biomass. <i>Water Environment Research</i> , 2018, 90, 2114-2125.	1.3	12
60	Calcined magnesite as an adsorbent for cationic and anionic dyes: characterization, adsorption parameters, isotherms and kinetics study. <i>Heliyon</i> , 2018, 4, e00838.	1.4	41
61	Kinetics of europium sorption to four different aluminum (hydr)oxides: Corundum, $\gamma$ -alumina, bayerite, and gibbsite. <i>Journal of Environmental Radioactivity</i> , 2018, 195, 20-25.	0.9	8
62	Effect of coexisting ions on Cr(VI) adsorption onto surfactant modified <i>Auricularia auricula</i> spent substrate in aqueous solution. <i>Ecotoxicology and Environmental Safety</i> , 2018, 166, 390-400.	2.9	62
63	Removal of Methyl Orange from Water Using Sulfur-Modified nZVI Supported on Biochar Composite. <i>Water, Air, and Soil Pollution</i> , 2018, 229, 1.	1.1	29
64	Metal ion and contaminant sorption onto aluminium oxide-based materials: A review and future research. <i>Journal of Environmental Chemical Engineering</i> , 2018, 6, 6853-6869.	3.3	50
65	Performance Evaluation of Small Sized Powdered Ferric Hydroxide as Arsenic Adsorbent. <i>Water (Switzerland)</i> , 2018, 10, 957.	1.2	37
66	Synthesis of a molecularly imprinted polymer and its application in selective extraction of fenopropfen from wastewater. <i>Environmental Science and Pollution Research</i> , 2018, 25, 36724-36735.	2.7	29
67	Reactive RED 195 dye removal using chitosan coacervated particles as bio-sorbent: Analysis of kinetics, equilibrium and adsorption mechanisms. <i>Journal of Environmental Chemical Engineering</i> , 2018, 6, 6749-6760.	3.3	62
68	Accelerated phosphorus recovery from aqueous solution onto decorated sewage sludge carbon. <i>Scientific Reports</i> , 2018, 8, 13421.	1.6	11
69	Quantitative mechanisms of cadmium adsorption on rice straw- and swine manure-derived biochars. <i>Environmental Science and Pollution Research</i> , 2018, 25, 32418-32432.	2.7	33
70	A facile one-pot hydrothermal synthesis of hematite ( $\alpha$ -Fe <sub>2</sub> O <sub>3</sub> ) nanostructures and cephalixin antibiotic sorptive removal from polluted aqueous media. <i>Journal of Molecular Liquids</i> , 2018, 271, 844-856.	2.3	55
71	Removal of Barium, Cobalt, Strontium, and Zinc from Solution by Natural and Synthetic Allophane Adsorbents. <i>Geosciences (Switzerland)</i> , 2018, 8, 309.	1.0	44
72	Removal of hexavalent chromium from groundwater by Mg/Al-layered double hydroxides using characteristics of in-situ synthesis. <i>Environmental Pollution</i> , 2018, 243, 620-629.	3.7	68
73	Hybrid polysaccharide beads for enhancing adsorption of Cr(VI) ions. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018, 558, 144-153.	2.3	16
74	Characterization of potassium hydroxide modified anthracite particles and enhanced removal of $17\beta$ -ethinylestradiol and bisphenol A. <i>Environmental Science and Pollution Research</i> , 2018, 25, 22224-22235.	2.7	12
75	Synthesis of rod-like metal-organic framework (MOF-5) nanomaterial for efficient removal of U(VI): batch experiments and spectroscopy study. <i>Science Bulletin</i> , 2018, 63, 831-839.	4.3	162
76	Nanoparticles for Heavy Metal Removal from Drinking Water. <i>Environmental Chemistry for A Sustainable World</i> , 2018, , 75-124.	0.3	5

#	ARTICLE	IF	CITATIONS
77	Spectroscopic Investigation of Enhanced Adsorption of U(VI) and Eu(III) on Magnetic Attapulgite in Binary System. <i>Industrial &amp; Engineering Chemistry Research</i> , 2018, 57, 7533-7543.	1.8	32
78	Removal of cobalt and lead ions from wastewater samples using an insoluble nanosponge biopolymer composite: adsorption isotherm, kinetic, thermodynamic, and regeneration studies. <i>Environmental Science and Pollution Research</i> , 2018, 25, 21752-21767.	2.7	67
79	Pristine and modified radix <i>Angelicae dahuricae</i> (Baizhi) residue for the adsorption of methylene blue from aqueous solution: A comparative study. <i>Journal of Molecular Liquids</i> , 2018, 265, 36-45.	2.3	29
80	Investigation of copper inhibition of nitrifying moving bed biofilm (MBBR) reactors during long term operations. <i>Bioprocess and Biosystems Engineering</i> , 2018, 41, 1485-1495.	1.7	7
81	Recycling of fishpond wastewater by adsorption of pollutants using aged refuse as an alternative low-cost adsorbent. <i>Sustainable Environment Research</i> , 2018, 28, 315-321.	2.1	6
82	Dense thiol arrays for metal-organic frameworks: boiling water stability, Hg removal beyond 2 ppb and facile crosslinking. <i>Journal of Materials Chemistry A</i> , 2018, 6, 14566-14570.	5.2	52
83	Adsorption and Oxidation Techniques to Remove Organic Pollutants from Water. <i>Environmental Chemistry for A Sustainable World</i> , 2018, , 249-300.	0.3	7
84	Development of CO <sub>2</sub> activated biochar from solid wastes of a beer industry and its application for methylene blue adsorption. <i>Waste Management</i> , 2018, 78, 630-638.	3.7	131
85	Leaf Biosorbents for the Removal of Heavy Metals. <i>Environmental Chemistry for A Sustainable World</i> , 2018, , 87-126.	0.3	2
86	Removal and recovery of thallium from aqueous solutions via a magnetite-mediated reversible adsorption-desorption process. <i>Journal of Cleaner Production</i> , 2018, 199, 705-715.	4.6	72
87	Adsorption-reduction removal of Cr(VI) by tobacco petiole pyrolytic biochar: Batch experiment, kinetic and mechanism studies. <i>Bioresource Technology</i> , 2018, 268, 149-157.	4.8	152
88	Adsorption of metha-nitrophenol onto alumina and HDTMA modified alumina: Kinetic, isotherm and mechanism investigations. <i>Journal of Molecular Liquids</i> , 2018, 268, 587-597.	2.3	18
89	Efficient removal of thallium(I) from wastewater using flower-like manganese dioxide coated magnetic pyrite cinder. <i>Chemical Engineering Journal</i> , 2018, 353, 867-877.	6.6	90
90	Biosorption of Metals and Metalloids. <i>Environmental Chemistry for A Sustainable World</i> , 2018, , 35-86.	0.3	10
91	A Comparison of Palladium Sorption Using Polyethylenimine Impregnated Alginate-Based and Carrageenan-Based Algal Beads. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 264.	1.3	18
92	Enhanced biosorption of Cr(VI) using cotton fibers coated with chitosan – role of ester bonds. <i>Water Science and Technology</i> , 2018, 78, 476-486.	1.2	6
93	Constructing sphere-like cobalt-molybdenum-nickel ternary hydroxide and calcined ternary oxide nanocomposites for efficient removal of U(VI) from aqueous solutions. <i>Chemical Engineering Journal</i> , 2018, 352, 360-370.	6.6	88
94	Layered double hydroxides intercalated with sulfur-containing organic solutes for efficient removal of cationic and oxyanionic metal ions. <i>Applied Clay Science</i> , 2018, 162, 443-453.	2.6	55

#	ARTICLE	IF	CITATIONS
95	Investigation of continuous adsorption of Pb(II), As(III), Cd(II), and Cr(VI) using a mixture of magnetic graphite oxide and sand as a medium in a fixed-bed column. <i>Journal of Environmental Chemical Engineering</i> , 2018, 6, 4840-4849.	3.3	32
96	Retention and release of hexavalent and trivalent chromium by chitosan, olive stone activated carbon, and their blend. <i>Environmental Science and Pollution Research</i> , 2018, 25, 19585-19604.	2.7	14
97	Adsorption of platinum ion from aqueous solution: application and comparative study between purified MWCNTs and triphenylphosphine MWCNTs. <i>Environmental Science and Pollution Research</i> , 2018, 25, 20032-20047.	2.7	2
98	A review on halloysite-based adsorbents to remove pollutants in water and wastewater. <i>Journal of Molecular Liquids</i> , 2018, 269, 855-868.	2.3	150
99	A weighted average kinetic equation and its application in estimating mass transfer coefficients in liquid phase adsorption. <i>Biophysical Chemistry</i> , 2018, 241, 50-54.	1.5	5
100	Halloysite nanotube@carbon with rich carboxyl groups as a multifunctional adsorbent for the efficient removal of cationic Pb(II), anionic Cr(VI) and methylene blue (MB). <i>Environmental Science: Nano</i> , 2018, 5, 2257-2268.	2.2	53
101	Insight into the sorption mechanism of metformin and its transformation product guanylurea in pastoral soils and model sorbents. <i>Science of the Total Environment</i> , 2018, 645, 1323-1333.	3.9	12
102	Al-Waste-Based Zeolite Adsorbent Used for the Removal of Ammonium from Aqueous Solutions. <i>International Journal of Chemical Engineering</i> , 2018, 2018, 1-11.	1.4	24
103	Adsorption of thiosulphate, trithionate, tetrathionate using biomass ash/char. <i>Journal of Environmental Chemical Engineering</i> , 2018, 6, 5401-5408.	3.3	8
104	Adsorptive removal of emerging pollutants from groundwater by using modified titanate nanotubes. <i>Journal of Environmental Chemical Engineering</i> , 2018, 6, 5332-5340.	3.3	14
105	Metaldehyde removal from drinking water by adsorption onto filtration media: mechanisms and optimisation. <i>Environmental Science: Water Research and Technology</i> , 2018, 4, 1543-1552.	1.2	11
106	Phenol adsorption on biochar prepared from the pine fruit shells: Equilibrium, kinetic and thermodynamics studies. <i>Journal of Environmental Management</i> , 2018, 226, 377-385.	3.8	137
107	Adsorptive performance of MOF nanocomposite for methylene blue and malachite green dyes: Kinetics, isotherm and mechanism. <i>Journal of Environmental Management</i> , 2018, 223, 29-36.	3.8	265
108	Separation-free Al-Mg/graphene oxide composites for enhancement of urban stormwater runoff quality. <i>Advanced Composites and Hybrid Materials</i> , 2018, 1, 591-601.	9.9	19
109	Research on adsorption of Cr(VI) by Poly-epichlorohydrin-dimethylamine (EPIDMA) modified weakly basic anion exchange resin D301. <i>Ecotoxicology and Environmental Safety</i> , 2018, 161, 467-473.	2.9	46
110	Time and temperature dependent adsorption-desorption behaviour of pretilachlor in soil. <i>Ecotoxicology and Environmental Safety</i> , 2018, 161, 145-155.	2.9	32
111	A Review on Heavy Metal Ions and Dye Adsorption from Water by Agricultural Solid Waste Adsorbents. <i>Water, Air, and Soil Pollution</i> , 2018, 229, 1.	1.1	358
112	An efficient hybrid adsorbent based on silica-supported amino penta-carboxylic acid for water purification. <i>Journal of Materials Chemistry A</i> , 2018, 6, 13096-13109.	5.2	29



#	ARTICLE	IF	CITATIONS
113	Synthesis of illite/iron nanoparticles and their application as an adsorbent of lead ions. <i>Environmental Science and Pollution Research</i> , 2019, 26, 29449-29459.	2.7	16
114	Synergistic effects of anionic surfactants on adsorption of norfloxacin by magnetic biochar derived from furfural residue. <i>Environmental Pollution</i> , 2019, 254, 113005.	3.7	51
115	Lignin-Based Magnesium Hydroxide Nanocomposite. Synthesis and Application for the Removal of Potentially Toxic Metals from Aqueous Solution. <i>ACS Applied Nano Materials</i> , 2019, 2, 5492-5503.	2.4	31
116	Use of Adsorbent Biochar from Pequi ( <i>Caryocar Brasiliense</i> ) Husks for the Removal of Commercial Formulation of Glyphosate from Aqueous Media. <i>Brazilian Archives of Biology and Technology</i> , 0, 62, .	0.5	15
117	Application of Natural Organic Residues as Adsorbents to Remove Lead from Waters. <i>Water, Air, and Soil Pollution</i> , 2019, 230, 1.	1.1	5
118	Removal of Cr(VI) from water using pineapple peel derived biochars: Adsorption potential and re-usability assessment. <i>Journal of Molecular Liquids</i> , 2019, 293, 111497.	2.3	165
119	Elimination of hazardous methylene blue from contaminated solutions by electrochemically magnetized graphene oxide as a recyclable adsorbent. <i>Advanced Powder Technology</i> , 2019, 30, 2352-2362.	2.0	20
120	Adsorption of Chloramphenicol on Commercial and Modified Activated Carbons. <i>Water (Switzerland)</i> , 2019, 11, 1141.	1.2	25
121	A novel core-shell structured biosorbent derived from chemi-mechanical pulp for heavy metal ion removal. <i>Cellulose</i> , 2019, 26, 8789-8799.	2.4	15
122	Hydrophilic Divinylbenzene for Equilibrium Sorption of Emerging Organic Contaminants in Aquatic Matrices. <i>Environmental Science &amp; Technology</i> , 2019, 53, 10803-10812.	4.6	7
123	Uptake of As(V) from Groundwater Using Fe-Mn Oxides Modified Kaolin Clay: Physicochemical Characterization and Adsorption Data Modeling. <i>Water (Switzerland)</i> , 2019, 11, 1245.	1.2	14
124	One pot Green Synthesis of Nano magnesium oxide-carbon composite: Preparation, characterization and application towards anthracene adsorption. <i>Journal of Cleaner Production</i> , 2019, 237, 117691.	4.6	56
125	Bioinspired modified nanocellulose adsorbent for enhanced boron recovery from aqueous media: Optimization, kinetics, thermodynamics and reusability study. <i>Journal of Environmental Chemical Engineering</i> , 2019, 7, 103281.	3.3	17
126	Combined use of calcium nitrate addition and anion exchange resin capping to control sedimentary phosphorus release and its nitrate-nitrogen releasing risk. <i>Science of the Total Environment</i> , 2019, 689, 203-214.	3.9	16
127	Comparison of biochars derived from different types of feedstock and their potential for heavy metal removal in multiple-metal solutions. <i>Scientific Reports</i> , 2019, 9, 9869.	1.6	112
128	Sulfamic acid modified hydrochar derived from sawdust for removal of benzotriazole and Cu(II) from aqueous solution: Adsorption behavior and mechanism. <i>Bioresource Technology</i> , 2019, 290, 121765.	4.8	42
129	Expanding the use of biobeds: Degradation and adsorption of pesticides contained in effluents from seed-coating, bulb disinfestation and fruit-packaging activities. <i>Journal of Environmental Management</i> , 2019, 248, 109221.	3.8	23
130	Removal of aluminum from aqueous solution by adsorption on montmorillonite K10, TiO <sub>2</sub> , and SiO <sub>2</sub> : kinetics, isotherms, and effect of ions. <i>Adsorption</i> , 2019, 25, 1575-1583.	1.4	11



#	ARTICLE	IF	CITATIONS
131	Adsorption and Fenton oxidation of azo dyes by magnetite nanoparticles deposited on a glass substrate. <i>Journal of Water Process Engineering</i> , 2019, 32, 100897.	2.6	39
132	Magnetite-modified activated carbon based capping and mixing technology for sedimentary phosphorus release control. <i>Journal of Environmental Management</i> , 2019, 248, 109287.	3.8	22
133	Magnetic metal-organic frameworks (Fe <sub>3</sub> O <sub>4</sub> @ZIF-8) composites for U(VI) and Eu(III) elimination: simultaneously achieve favorable stability and functionality. <i>Chemical Engineering Journal</i> , 2019, 378, 122105.	6.6	153
134	White bean ( <i>Phaseolus vulgaris</i> L.) as a sorbent for the removal of zinc from rainwater. <i>Water Research</i> , 2019, 162, 170-179.	5.3	9
135	Preparation of Attapulgite/CoFe <sub>2</sub> O <sub>4</sub> Magnetic Composites for Efficient Adsorption of Tannic Acid from Aqueous Solution. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 2187.	1.2	14
136	Recycling of incinerated sewage sludge ash as an adsorbent for heavy metals removal from aqueous solutions. <i>Journal of Environmental Management</i> , 2019, 247, 509-517.	3.8	34
137	Preparation and Optical Study of Zn(II) Metal Organic Framework Thin Film for Xylene Gas Sensing Application. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2019, 216, 1900176.	0.8	5
138	Silica Removal Using Magnetic Iron-Aluminum Hybrid Nanomaterials: Measurements, Adsorption Mechanisms, and Implications for Silica Scaling in Reverse Osmosis. <i>Environmental Science &amp; Technology</i> , 2019, 53, 13302-13311.	4.6	22
139	Structured carbon foam derived from waste biomass: application to endocrine disruptor adsorption. <i>Environmental Science and Pollution Research</i> , 2019, 26, 32589-32599.	2.7	17
140	Optimization, isotherm, and kinetic studies of diclofenac removal from aqueous solutions by Fe-Mn binary oxide adsorbents. <i>Environmental Science and Pollution Research</i> , 2019, 26, 32407-32419.	2.7	9
141	Efficiency of activated carbons and natural bentonite to remove direct orange 39 from water. <i>Journal of Environmental Chemical Engineering</i> , 2019, 7, 103496.	3.3	5
142	Adsorption of U(VI) on montmorillonite in the presence of ethylenediaminetetraacetic acid. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 583, 123929.	2.3	15
143	Biomimetic functionalization of carbon nanotubes with poly(ionic liquids) for highly efficient adsorption of organic dyes. <i>Journal of Molecular Liquids</i> , 2019, 296, 112059.	2.3	22
144	Metal-Loaded Carbonated Mesoporous Calcium Silicates: Synthesis, Characterization, and Application for Diclofenac Removal from Water. <i>Industrial &amp; Engineering Chemistry Research</i> , 2019, 58, 22084-22093.	1.8	5
145	Magnetic palm kernel biochar potential route for phenol removal from wastewater. <i>Environmental Science and Pollution Research</i> , 2019, 26, 35183-35197.	2.7	70
146	High performance of Zn-Al-CO <sub>3</sub> layered double hydroxide for anionic reactive blue 21 dye adsorption: kinetic, equilibrium, and thermodynamic studies. <i>Nanotechnology for Environmental Engineering</i> , 2019, 4, 1.	2.0	16
147	Polyacrylic acid-based and chitosan-based hydrogels for adsorption of cadmium: Equilibrium isotherm, kinetic and thermodynamic studies. <i>Journal of Environmental Chemical Engineering</i> , 2019, 7, 103327.	3.3	115
148	Removal of dye from polluted water using novel nano manganese oxide-based materials. <i>Journal of Water Process Engineering</i> , 2019, 32, 100911.	2.6	149

#	ARTICLE	IF	CITATIONS
149	Efficient and selective removal of congo red by mesoporous amino-modified MIL-101(Cr) nanoadsorbents. <i>Powder Technology</i> , 2019, 356, 162-169.	2.1	44
150	Removal of As(III) from Synthetic Groundwater Using Fe-Mn Bimetal Modified Kaolin Clay: Adsorption Kinetics, Isotherm and Thermodynamics Studies. <i>Environmental Processes</i> , 2019, 6, 1005-1018.	1.7	9
151	Preparation and characterization of alginate-kelp biochar composite hydrogel bead for dye removal. <i>Environmental Science and Pollution Research</i> , 2019, 26, 33030-33042.	2.7	28
152	Modification of Fe <sub>2</sub> O <sub>3</sub> -contained lignocellulose nanocomposite with silane group to remove nitrate and bacterial contaminations from wastewater. <i>Iranian Polymer Journal (English Edition)</i> , 2019, 28, 859-872.	1.3	12
153	Modelling the transport and adsorption dynamics of arsenic in a soil bed filter. <i>Chemical Engineering Science</i> , 2019, 210, 115205.	1.9	14
154	Heteroatom-doped porous carbons from sucrose and phytic acid for adsorptive desulfurization and sulfamethoxazole removal: A comparison between aqueous and non-aqueous adsorption. <i>Journal of Colloid and Interface Science</i> , 2019, 557, 336-348.	5.0	34
155	Methylene Blue Adsorption Study on Microcline Particles in the Function of Particle Size Range and Temperature. <i>Minerals (Basel, Switzerland)</i> , 2019, 9, 555.	0.8	14
156	Medical image fusion based on saliency and adaptive similarity judgment. <i>Personal and Ubiquitous Computing</i> , 2023, 27, 2019-2025.	1.9	2
157	Recovery of Re(VII) from aqueous solutions with coated impregnated resins containing ionic liquid Aliquat 336. <i>Hydrometallurgy</i> , 2019, 190, 105149.	1.8	13
158	Honeycomb structured activated carbon synthesized from <i>Pinus roxburghii</i> cone as effective bioadsorbent for toxic malachite green dye. <i>Journal of Water Process Engineering</i> , 2019, 32, 100931.	2.6	53
159	Biochar synthesis from sweet lime peel for hexavalent chromium remediation from aqueous solution. <i>Journal of Environmental Management</i> , 2019, 251, 109570.	3.8	56
160	Adsorption of Sr(II) cations onto phosphated mesoporous titanium dioxide: Mechanism, isotherm and kinetics studies. <i>Journal of Environmental Chemical Engineering</i> , 2019, 7, 103430.	3.3	36
161	Kinetic and isotherm studies on adsorption of arsenic using silica based catalytic media. <i>Journal of Water Process Engineering</i> , 2019, 32, 100939.	2.6	19
162	Carboxymethyl cellulose/poly(acrylic acid) interpenetrating polymer network hydrogels as multifunctional adsorbents. <i>Cellulose</i> , 2019, 26, 597-615.	2.4	47
163	Development of sustainable magnetic polyurethane polymer nanocomposite for abatement of tetracycline antibiotics aqueous pollution: Response surface methodology and adsorption dynamics. <i>Journal of Cleaner Production</i> , 2019, 217, 42-55.	4.6	98
164	Emerging natural and tailored materials for uranium-contaminated water treatment and environmental remediation. <i>Progress in Materials Science</i> , 2019, 103, 180-234.	16.0	382
165	Enhanced adsorption of nitrate from water by modified wheat straw: equilibrium, kinetic and thermodynamic studies. <i>Water Science and Technology</i> , 2019, 79, 302-313.	1.2	27
166	Ultrafast and deep removal of arsenic in high-concentration wastewater: A superior bulk adsorbent of porous Fe <sub>2</sub> O <sub>3</sub> nanocubes-impregnated graphene aerogel. <i>Chemosphere</i> , 2019, 222, 258-266.	4.2	56

#	ARTICLE	IF	CITATIONS
167	Adsorption Equilibrium Relationships, Isotherm Expressions, Their Determinations, and Predictions. , 2019, , 23-85.		2
168	Surface water pollution by pharmaceuticals and an alternative of removal by low-cost adsorbents: A review. <i>Chemosphere</i> , 2019, 222, 766-780.	4.2	355
169	Modeling in Adsorption: Fundamentals and Applications. , 2019, , 85-118.		27
170	Amorphous Fe/Mn bimetal-organic frameworks: outer and inner structural designs for efficient arsenic (<sc>iii</sc>) removal. <i>Journal of Materials Chemistry A</i> , 2019, 7, 2845-2854.	5.2	118
171	Kinetics of neptunium sorption and desorption in the presence of aluminum (hydr)oxide minerals: Evidence for multi-step desorption at low pH. <i>Journal of Environmental Radioactivity</i> , 2019, 205-206, 72-78.	0.9	4
172	Comparison of Jordanian and standard diatomaceous earth as an adsorbent for removal of Sm(III) and Nd(III) from aqueous solution. <i>Environmental Science and Pollution Research</i> , 2019, 26, 20969-20980.	2.7	12
173	Adsorption properties of manganese oxides prepared in aqueous-ethanol medium toward Sr(II) ions. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2019, 321, 243-253.	0.7	5
174	Porous NiFe-oxide nanocubes derived from prussian blue analogue as efficient adsorbents for the removal of toxic metal ions and organic dyes. <i>Journal of Hazardous Materials</i> , 2019, 379, 120786.	6.5	53
175	Production of aminated peat from branched polyethylenimine and glycidyltrimethylammonium chloride for sulphate removal from mining water. <i>Environmental Research</i> , 2019, 175, 323-334.	3.7	34
176	Uranium sequestration in sediment at an iron-rich contaminated site at Oak Ridge, Tennessee via. bioreduction followed by reoxidation. <i>Journal of Environmental Sciences</i> , 2019, 85, 156-167.	3.2	10
177	Acetaminophen adsorption using a low-cost adsorbent prepared from modified residues of <i>Moringa oleifera</i> Lam. seed husks. <i>Journal of Chemical Technology and Biotechnology</i> , 2019, 94, 3147-3157.	1.6	71
178	Efficient Removal of Cr(VI) from Water by Biochar and Activated Carbon Prepared through Hydrothermal Carbonization and Pyrolysis: Adsorption-Coupled Reduction Mechanism. <i>Water (Switzerland)</i> , 2019, 11, 1164.	1.2	58
179	Bromide and iodide selectivity in membrane capacitive deionisation, and its potential application to reduce the formation of disinfection by-products in water treatment. <i>Chemosphere</i> , 2019, 234, 536-544.	4.2	19
180	A combined system of microwave-functionalized rice husk and poly-aluminium chloride for trace cadmium-contaminated source water purification: Exploration of removal efficiency and mechanism. <i>Journal of Hazardous Materials</i> , 2019, 379, 120804.	6.5	21
181	Removal of various contaminants from water by renewable lignocellulose-derived biosorbents: a comprehensive and critical review. <i>Critical Reviews in Environmental Science and Technology</i> , 2019, 49, 2155-2219.	6.6	69
182	<i>In situ</i> growth and optical gas adsorption performance of Zn (<sc>ii</sc>) metal-organic framework membranes at room temperature. <i>Analyst, The</i> , 2019, 144, 4887-4896.	1.7	18
183	Diffusion of hydrophilic organic micropollutants in granular activated carbon with different pore sizes. <i>Water Research</i> , 2019, 162, 518-527.	5.3	85
184	Post-modification of UiO-66-NH <sub>2</sub> by resorcylic aldehyde for selective removal of Pb(II) in aqueous media. <i>Journal of Cleaner Production</i> , 2019, 229, 470-479.	4.6	99

#	ARTICLE	IF	CITATIONS
185	Combined Methane Energy Recovery and Toxic Dye Removal by Porous Carbon Derived from Anaerobically Modified Digestate. ACS Omega, 2019, 4, 9434-9445.	1.6	31
186	Kinetic, isotherm and mechanism investigations of the removal of phenols from water by raw and calcined clays. Heliyon, 2019, 5, e01616.	1.4	31
187	Selective Environmental Remediation of Strontium and Cesium Using Sulfonated Hyper-Cross-Linked Polymers (SHCPs). ACS Applied Materials & Interfaces, 2019, 11, 22464-22473.	4.0	76
188	Structural alteration within fly ash-based geopolymers governing the adsorption of Cu <sup>2+</sup> from aqueous environment: Effect of alkali activation. Journal of Hazardous Materials, 2019, 377, 305-314.	6.5	63
189	Immobilisation of Cd(II) on biogenic and abiotic calcium carbonate. Journal of Hazardous Materials, 2019, 378, 120707.	6.5	40
190	Chitosan/iron oxide nanocomposite films: Effect of the composition and preparation methods on the adsorption of congo red. Carbohydrate Polymers, 2019, 221, 186-194.	5.1	63
191	Activated carbons derived from hydrothermal impregnation of sucrose with phosphoric acid: remarkable adsorbents for sulfamethoxazole removal. RSC Advances, 2019, 9, 17841-17851.	1.7	31
192	Partitioning of chemical contaminants to microplastics: Sorption mechanisms, environmental distribution and effects on toxicity and bioaccumulation. Environmental Pollution, 2019, 252, 1246-1256.	3.7	296
193	Tackling Deficiencies in the Presentation and Interpretation of Adsorption Results for New Materials. Environmental Science & Technology, 2019, 53, 5543-5544.	4.6	24
194	An improved regression method for kinetics of adsorption from aqueous solutions. Journal of Water Process Engineering, 2019, 31, 100840.	2.6	9
195	Effect of alkali regeneration on pore characteristics and performance of ferric oxyhydroxide and kaolinite sorbents. Journal of Water Process Engineering, 2019, 31, 100838.	2.6	13
196	Physicochemical Properties of Oxalic Acid-Modified Chitosan/Neem Leave Composites from Pessu River Crab Shell. International Journal of Chemical Reactor Engineering, 2019, 17, .	0.6	3
197	Titanium-based nanocomposite materials for arsenic removal from water: A review. Heliyon, 2019, 5, e01577.	1.4	54
198	Performance Evaluation of Paroxetine Adsorption Using Various Types of Activated Carbon. International Journal of Civil Engineering, 2019, 17, 1619-1629.	0.9	3
199	Flocculation kinetics and dewatering studies of quaternized cellulose derived from oil palm empty fruit bunches. Korean Journal of Chemical Engineering, 2019, 36, 669-677.	1.2	5
200	Carbon microspheres derived from walnut shell: Rapid and remarkable uptake of heavy metal ions, molecular computational study and surface modeling. Chemosphere, 2019, 231, 140-150.	4.2	42
201	Techno-economic and environmental approaches of Cd <sup>2+</sup> adsorption by olive leaves ( <i>Olea europaea</i> L.) waste. International Journal of Phytoremediation, 2019, 21, 1205-1214.	1.7	34
202	Highly efficient adsorption of strontium ions by carbonated mesoporous TiO <sub>2</sub> . Journal of Molecular Liquids, 2019, 285, 742-753.	2.3	204

#	ARTICLE	IF	CITATIONS
203	Direct Synthesis of Reduced Graphene Oxide/TiO <sub>2</sub> Nanotubes Composite from Graphite Oxide as a High-Efficiency Visible-Light-Driven Photocatalyst. <i>Journal of Nanoscience and Nanotechnology</i> , 2019, 19, 5195-5204.	0.9	10
204	Adsorption of organic micropollutants to biosolids-derived biochar: estimation of thermodynamic parameters. <i>Environmental Science: Water Research and Technology</i> , 2019, 5, 1132-1144.	1.2	27
205	Linearity and non-linearity analysis of isotherms and kinetics for ibuprofen removal using superheated steam and acid modified biochar. <i>Chemical Engineering Research and Design</i> , 2019, 126, 193-204.	2.7	38
206	Characterization and adsorption performance evaluation of waste char by-product from industrial gasification of solid refuse fuel from municipal solid waste. <i>Waste Management</i> , 2019, 91, 33-41.	3.7	23
207	Synthesis and characterization of a magnetic nanosorbent modified with <i>Moringa oleifera</i> leaf extracts for removal of nitroaromatic explosive compounds in water samples. <i>Journal of Environmental Chemical Engineering</i> , 2019, 7, 103128.	3.3	19
208	High-efficiency removal of gaseous HCHO by amine functionalized natural opoka. <i>Chemical Physics Letters</i> , 2019, 722, 32-38.	1.2	13
209	A new approach to obtain mesoporous-activated carbon via hydrothermal carbonization of Brazilian Cerrado biomass combined with physical activation for bisphenol-A removal. <i>Chemical Engineering Communications</i> , 2019, 206, 1498-1514.	1.5	21
210	Removal of anionic arsenate by a PEI-coated bacterial biosorbent prepared from fermentation biowaste. <i>Chemosphere</i> , 2019, 226, 67-74.	4.2	17
211	Evaluation of the adsorptive properties of locally available alumino-silicate clay in As(III) and As(V) remediation from groundwater. <i>Physics and Chemistry of the Earth</i> , 2019, 112, 28-35.	1.2	7
212	Biosorption of crystal violet dye using inactive biomass of the fungus <i>Diaporthe schini</i> . <i>Water Science and Technology</i> , 2019, 79, 709-717.	1.2	26
213	Adsorption of organic micropollutants onto biochar: a review of relevant kinetics, mechanisms and equilibrium. <i>Environmental Science: Water Research and Technology</i> , 2019, 5, 821-838.	1.2	164
214	Adsorption mechanism of hexavalent chromium onto layered double hydroxides-based adsorbents: A systematic in-depth review. <i>Journal of Hazardous Materials</i> , 2019, 373, 258-270.	6.5	177
215	A facile and tunable approach for synthesis of pure silica nanostructures from rice husk for the removal of ciprofloxacin drug from polluted aqueous solutions. <i>Journal of Molecular Liquids</i> , 2019, 282, 251-263.	2.3	90
216	Ultrasound assisted purification of polyphenols of apple skins by adsorption/desorption procedure. <i>Ultrasonics Sonochemistry</i> , 2019, 55, 18-24.	3.8	35
217	Effects of chemisorbed arsenate groups on the mesoporous titania morphology and enhanced adsorption properties towards Sr(II) cations. <i>Journal of Molecular Liquids</i> , 2019, 282, 587-597.	2.3	58
218	Biomass-Derived Carbonaceous Adsorbents for Trapping Ammonia. <i>Agriculture (Switzerland)</i> , 2019, 9, 16.	1.4	24
219	Non-linear kinetic, equilibrium, and thermodynamic studies of 5-fluorouracil adsorption onto chitosan-functionalized graphene oxide. <i>Materials Research Express</i> , 2019, 6, 065305.	0.8	27
220	Enhanced dyes adsorption from wastewater via Fe <sub>3</sub> O <sub>4</sub> nanoparticles functionalized activated carbon. <i>Journal of Hazardous Materials</i> , 2019, 373, 397-407.	6.5	257

#	ARTICLE	IF	CITATIONS
221	Selected pharmaceuticals removal using algae derived porous carbon: experimental, modeling and DFT theoretical insights. RSC Advances, 2019, 9, 9792-9808.	1.7	48
222	Efficient removal of anti-inflammatory from solution by Fe-containing activated carbon: Adsorption kinetics, isotherms, and thermodynamics. Journal of Environmental Management, 2019, 238, 296-306.	3.8	80
223	Zeolite as a Potential Medium for Ammonium Recovery and Second Cheese Whey Treatment. Water (Switzerland), 2019, 11, 136.	1.2	56
224	Surface functionalised adsorbent for emerging pharmaceutical removal: Adsorption performance and mechanisms. Chemical Engineering Research and Design, 2019, 125, 50-63.	2.7	122
225	Removal of direct yellow 12 from water using CTAB-coated core-shell bimagnetic nanoadsorbents. Journal of Environmental Chemical Engineering, 2019, 7, 103031.	3.3	20
226	Adsorption as a technology to achieve ultra-low concentrations of phosphate: Research gaps and economic analysis. Water Research X, 2019, 4, 100029.	2.8	210
227	Study on adsorption of lead by biochar prepared from sludge of municipal wastewater treatment plant. IOP Conference Series: Materials Science and Engineering, 2019, 479, 012007.	0.3	1
228	Modelling of Adsorption Kinetic Processes—Errors, Theory and Application. , 0, , .		68
229	Preparation of high surface area sludge-based activated hydrochar via hydrothermal carbonization and application in the removal of basic dye. Environmental Research, 2019, 175, 457-467.	3.7	100
230	Selective recovery of lithium from the Great Salt Lake using lithium manganese oxide-diatomaceous earth composite. Hydrometallurgy, 2019, 186, 115-125.	1.8	35
231	Passive samplers to quantify micropollutants in sewer overflows: accumulation behaviour and field validation for short pollution events. Water Research, 2019, 160, 350-360.	5.3	26
232	Synthesis of a novel CoFe <sub>2</sub> O <sub>4</sub> /chitosan magnetic composite for fast adsorption of indigotine blue dye. Carbohydrate Polymers, 2019, 217, 6-14.	5.1	59
233	Comparative adsorption of emerging contaminants in water by functional designed magnetic poly(N-isopropylacrylamide)/chitosan hydrogels. Science of the Total Environment, 2019, 671, 377-387.	3.9	41
234	Acid-salt treated CoAl layered double hydroxide nanosheets with enhanced adsorption capacity of methyl orange dye. Journal of Colloid and Interface Science, 2019, 548, 100-109.	5.0	86
235	Isolation, characterization and valorization of lignin from Pinus elliottii sawdust as a low-cost biosorbent for zinc removal. Cellulose, 2019, 26, 4895-4908.	2.4	15
236	Adsorptive and capacitive properties of the activated carbons derived from pig manure residues. Journal of Environmental Chemical Engineering, 2019, 7, 103066.	3.3	20
237	Adsorptive removal of bisphenol A from aqueous solutions using phosphonated levan. Journal of Hazardous Materials, 2019, 374, 43-49.	6.5	46
238	Ionisable emerging pharmaceutical adsorption onto microwave functionalised biochar derived from novel lignocellulosic waste biomass. Journal of Colloid and Interface Science, 2019, 547, 350-360.	5.0	90



#	ARTICLE	IF	CITATIONS
239	The black beads produced by simultaneous thermal reducing and chemical bonding of graphene oxide on the surface of amino-functionalized sand particles: Application for PAHs removal from contaminated waters. <i>Journal of Water Process Engineering</i> , 2019, 31, 100798.	2.6	18
240	Removal of 1,4-dioxane by titanium silicalite-1: Separation mechanisms and bioregeneration of sorption sites. <i>Chemical Engineering Journal</i> , 2019, 371, 193-202.	6.6	23
241	<i>Saccharomyces cerevisiae</i> biosorbed with grape pomace flavonoids: adsorption studies and <i>in vitro</i> simulated gastrointestinal digestion. <i>International Journal of Food Science and Technology</i> , 2019, 54, 1413-1422.	1.3	13
242	Comment on "removal of hexavalent chromium by biochar supported nZVI composite: Batch and fixed-bed column evaluations, mechanisms, and secondary contamination prevention". <i>Chemosphere</i> , 2019, 233, 988-990.	4.2	9
243	Synthesis of a novel 3,5-diacrylamidobenzoic acid based hyper-cross-linked resin for the efficient adsorption of Congo Red and Rhodamine B. <i>Journal of Hazardous Materials</i> , 2019, 369, 528-538.	6.5	74
244	Analysis of intraparticle diffusion on adsorption of crystal violet on bentonite. <i>Chemical Engineering Communications</i> , 2019, 206, 1463-1473.	1.5	23
245	Response to "Some remarks on a critical review of the estimation of the thermodynamic parameters on adsorption equilibria. Wrong use of equilibrium constant in the van't Hoff equation for calculation of thermodynamic parameters of adsorption - <i>Journal of Molecular Liquids</i> 273 (2019) 425-434". <i>Journal of Molecular Liquids</i> , 2019, 280, 298-300.	2.3	101
246	Adsorption in Water Treatment. , 2019, , .		16
247	Electrocoagulation of tetrafluoroborate (BF <sub>4</sub> <sup>-</sup> ) and the derived boron and fluorine using aluminum electrodes. <i>Water Research</i> , 2019, 155, 362-371.	5.3	30
249	Supramolecular Hybrid Material Based on Engineering Porphyrin Hosts for an Efficient Elimination of Lead(II) from Aquatic Medium. <i>Molecules</i> , 2019, 24, 669.	1.7	14
250	Towards the implementation of an ion-exchange system for recovery of fluoride commodity chemicals. Kinetic and dynamic studies. <i>Chemical Engineering Journal</i> , 2019, 367, 149-159.	6.6	32
251	Reusable bentonite clay: modelling and optimization of hazardous lead and <i>p</i> -nitrophenol adsorption using a response surface methodology approach. <i>RSC Advances</i> , 2019, 9, 5756-5769.	1.7	35
252	Arsenic Removal from Water by Green Synthesized Magnetic Nanoparticles. <i>Water (Switzerland)</i> , 2019, 11, 2520.	1.2	34
253	Evaluation of contaminant retention in the soil of sustainable drainage systems: methodological reflections on the determination of sorption isotherms. <i>Blue-Green Systems</i> , 2019, 1, 1-17.	0.6	1
254	Sorption of Scandium from Sulfuric Acid Chloride Solutions by Activated Carbons. <i>Russian Journal of Non-Ferrous Metals</i> , 2019, 60, 646-651.	0.2	2
255	The Impact of Temperature on the Removal of Inorganic Contaminants Typical of Urban Stormwater. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 1273.	1.3	7
256	Acid mine drainage pollution remediation using hybrid chelating ion-exchange/HZrO <sub>2</sub> nanocomposite adsorbents. <i>SN Applied Sciences</i> , 2019, 1, 1.	1.5	6
257	Adsorption of sodium diclofenac in aqueous medium using graphene oxide nanosheets. <i>Environmental Technology (United Kingdom)</i> , 2021, 42, 2599-2609.	1.2	33



#	ARTICLE	IF	CITATIONS
258	Adsorption of Methylene Blue onto Novel Biochars Prepared from Magnolia grandiflora Linn Fallen Leaves at Three Pyrolysis Temperatures. <i>Water, Air, and Soil Pollution</i> , 2019, 230, 1.	1.1	9
259	Performance evaluation of surfactant modified kaolin clay in As(III) and As(V) adsorption from groundwater: adsorption kinetics, isotherms and thermodynamics. <i>Heliyon</i> , 2019, 5, e02756.	1.4	49
260	The Efficacy of Three Diatomaceous Earth Sources for Removing Tylosin from Aqueous Systems. <i>Journal of Environmental Quality</i> , 2019, 48, 1863-1871.	1.0	5
261	Adsorptive Membranes for Heavy Metals Removal From Water. , 2019, , 361-400.		8
262	A new method for incorporating polyethyleneimine (PEI) in algal beads: High stability as sorbent for palladium recovery and supported catalyst for nitrophenol hydrogenation. <i>Materials Chemistry and Physics</i> , 2019, 221, 144-155.	2.0	21
263	Sorption of Cr(III) from aqueous media via naturally functionalized microporous biochar: Mechanistic study. <i>Microchemical Journal</i> , 2019, 144, 242-253.	2.3	51
264	Variable diffusivity homogeneous surface diffusion model and analysis of merits and fallacies of simplified adsorption kinetics equations. <i>Journal of Hazardous Materials</i> , 2019, 367, 224-245.	6.5	82
265	Phosphorus removal and recovery from water with macroporous bead adsorbent constituted of alginate-Zr <sup>4+</sup> and PNIPAM-interpenetrated networks. <i>International Journal of Biological Macromolecules</i> , 2019, 126, 1133-1144.	3.6	65
266	Application of Dubinin-Radushkevich isotherm model at the solid/solution interface: A theoretical analysis. <i>Journal of Molecular Liquids</i> , 2019, 277, 646-648.	2.3	351
267	Utilization of ferric groundwater treatment residuals for inorganic-organic hybrid biosorbent preparation and its use for vanadium removal. <i>Chemical Engineering Journal</i> , 2019, 361, 680-689.	6.6	48
268	Some remarks on a critical review of the estimation of the thermodynamic parameters on adsorption equilibria. Wrong use of equilibrium constant in the Van't Hoof equation for calculation of thermodynamic parameters of adsorption. <i>Journal of Molecular Liquids</i> 273 (2019) 425-434. <i>Journal of Molecular Liquids</i> , 2019, 276, 529-530.	2.3	20
269	Functionalization of MCM-41 with titanium oxynitride deposited via PECVD for enhanced removal of methylene blue. <i>Journal of Molecular Liquids</i> , 2019, 274, 505-515.	2.3	37
270	Kinetic study of uranium removal from aqueous solutions by macroporous biochar. <i>Chemical Engineering Communications</i> , 2019, 206, 1354-1366.	1.5	12
271	Heavy metal adsorption with zeolites: The role of hierarchical pore architecture. <i>Chemical Engineering Journal</i> , 2019, 359, 363-372.	6.6	273
272	Living biomass supported on a natural-fiber biofilter for lead removal. <i>Journal of Environmental Management</i> , 2019, 231, 825-832.	3.8	16
273	Removal of heavy metals by leaves-derived biosorbents. <i>Environmental Chemistry Letters</i> , 2019, 17, 755-766.	8.3	59
274	Study of the Influence of Xanthate Derivative Structures on Copper Sulfide Mineral Adsorption Under Acidic Conditions. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2019, 50, 86-97.	1.0	5
275	Comment on "simultaneous and efficient removal of Cr(VI) and methyl orange on LDHs decorated porous carbons". <i>Chemical Engineering Journal</i> , 2019, 359, 810-812.	6.6	27

#	ARTICLE	IF	CITATIONS
276	Influence of coexisting Cr(VI) and sulfate anions and Cu(II) on the sorption of F-53B to soils. <i>Chemosphere</i> , 2019, 216, 507-515.	4.2	12
277	Performance of aquatic weed - Waste <i>Myriophyllum spicatum</i> immobilized in alginate beads for the removal of Pb(II). <i>Journal of Environmental Management</i> , 2019, 232, 97-109.	3.8	24
278	Adsorption behaviour and mechanisms of cadmium and nickel on rice straw biochars in single- and binary-metal systems. <i>Chemosphere</i> , 2019, 218, 308-318.	4.2	147
279	Biochar as a sorbent for emerging contaminants enables improvements in waste management and sustainable resource use. <i>Journal of Cleaner Production</i> , 2019, 210, 1324-1342.	4.6	176
280	Synthesis and characterization of deep eutectic solvent functionalized CNT/ZnCo <sub>2</sub> O <sub>4</sub> nanostructure: Kinetics, isotherm and regenerative studies on Eosin Y adsorption. <i>Journal of Environmental Chemical Engineering</i> , 2019, 7, 102877.	3.3	28
281	Studies on batch adsorptive removal of malachite green from synthetic wastewater using acid treated coffee husk: Equilibrium, kinetics and thermodynamic studies. <i>Microchemical Journal</i> , 2019, 146, 192-201.	2.3	92
282	Effect of water washing pretreatment on property and adsorption capacity of macroalgae-derived biochar. <i>Journal of Environmental Management</i> , 2019, 233, 165-174.	3.8	58
283	Adsorption removal of cationic dyes from aqueous solutions using ceramic adsorbents prepared from industrial waste coal gangue. <i>Journal of Environmental Management</i> , 2019, 234, 245-252.	3.8	85
284	Decolorization of cationic and anionic dye-laden wastewater by steam-activated biochar produced at an industrial-scale from spent mushroom substrate. <i>Bioresource Technology</i> , 2019, 277, 77-86.	4.8	86
285	Atomic layer deposition (ALD) of subnanometer inorganic layers on natural cotton to enhance oil sorption performance in marine environments. <i>Journal of Materials Research</i> , 2019, 34, 563-570.	1.2	18
286	Adsorption behavior and mechanism of Mg/Fe layered double hydroxide with Fe <sub>3</sub> O <sub>4</sub> -carbon spheres on the removal of Pb(II) and Cu(II). <i>Journal of Colloid and Interface Science</i> , 2019, 536, 440-455.	5.0	207
287	Preparation of chitin nanowhiskers and its application for crystal violet dye removal from wastewaters. <i>Environmental Science and Pollution Research</i> , 2019, 26, 28548-28557.	2.7	32
288	A novel nanostructured Fe-Ti-Mn composite oxide for highly efficient arsenic removal: Preparation and performance evaluation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 561, 364-372.	2.3	48
289	Biosorption for removal of hexavalent chromium using microalgae <i>Scenedesmus</i> sp.. <i>Journal of Cleaner Production</i> , 2019, 209, 617-629.	4.6	200
290	Process optimization of methylene blue adsorption onto eggshell-“treated palm oil fuel ash. <i>Environmental Technology and Innovation</i> , 2019, 13, 62-73.	3.0	31
291	A critical review of the estimation of the thermodynamic parameters on adsorption equilibria. Wrong use of equilibrium constant in the Van't Hoof equation for calculation of thermodynamic parameters of adsorption. <i>Journal of Molecular Liquids</i> , 2019, 273, 425-434.	2.3	1,105
292	High-quality Al@Fe-MOF prepared using Fe-MOF as a micro-reactor to improve adsorption performance for selenite. <i>Journal of Hazardous Materials</i> , 2019, 364, 272-280.	6.5	126
293	Analysis of 17 $\beta$ -ethinylestradiol and bisphenol A adsorption on anthracite surfaces by site energy distribution. <i>Chemosphere</i> , 2019, 216, 59-68.	4.2	46

#	ARTICLE	IF	CITATIONS
294	Equilibrium and kinetic studies of caffeine adsorption from aqueous solutions on thermally modified Verde-Iodo bentonite. <i>Applied Clay Science</i> , 2019, 168, 366-373.	2.6	50
295	Adsorption mechanisms of ibuprofen and naproxen to UiO-66 and UiO-66-NH <sub>2</sub> : Batch experiment and DFT calculation. <i>Chemical Engineering Journal</i> , 2019, 360, 645-653.	6.6	177
296	The utilization of leaf-based adsorbents for dyes removal: A review. <i>Journal of Molecular Liquids</i> , 2019, 276, 728-747.	2.3	312
297	Adsorption of phenol onto aluminium oxide and zinc oxide: A comparative study with titanium dioxide. <i>Separation Science and Technology</i> , 2019, 54, 2840-2852.	1.3	19
298	Synergy of adsorption and advanced oxidation processes in recalcitrant wastewater treatment. <i>Environmental Chemistry Letters</i> , 2019, 17, 1125-1142.	8.3	60
299	Sorption of organic substances to tire wear materials: Similarities and differences with other types of microplastic. <i>TrAC - Trends in Analytical Chemistry</i> , 2019, 113, 392-401.	5.8	65
300	A direct method to determine the adsorbed dyes on adsorbent via processing of diffuse reflectance spectroscopy data. <i>Materials Research Express</i> , 2019, 6, 015505.	0.8	1
301	Characteristics and mechanisms of cadmium adsorption onto biogenic aragonite shells-derived biosorbent: Batch and column studies. <i>Journal of Environmental Management</i> , 2019, 241, 535-548.	3.8	68
302	Comment on "Re-evaluation of the century-old Langmuir isotherm for modeling adsorption phenomena in solution", published by Azizian et al. [ <i>Chemical physics</i> 513 (2018) 99-104]. <i>Chemical Physics</i> , 2019, 517, 265-267.	0.9	6
303	Modeling aqueous contaminant removal due to combined hydrolysis and adsorption: oxytetracycline in the presence of biomass-based activated carbons. <i>Separation Science and Technology</i> , 2019, 54, 705-721.	1.3	4
304	N-propyl functionalized spherical mesoporous silica as a rapid and efficient adsorbent for steroid estrogen removal: Adsorption behaviour and effects of water chemistry. <i>Chemosphere</i> , 2019, 214, 361-370.	4.2	31
305	Facile synthesis of graphene oxide-silver nanocomposite for decontamination of water from multiple pollutants by adsorption, catalysis and antibacterial activity. <i>Journal of Environmental Management</i> , 2019, 230, 199-211.	3.8	85
306	Highly efficient removal of hazardous aromatic pollutants by micro-nano spherical carbons synthesized from different chemical activation methods: a comparison study. <i>Environmental Technology (United Kingdom)</i> , 2019, 40, 1376-1391.	1.2	14
307	Effect of Some Process Parameters on the Main Properties of Activated Carbon Produced from Peat in a Lab-Scale Process. <i>Waste and Biomass Valorization</i> , 2020, 11, 2837-2848.	1.8	39
308	Role of surface functionalization of ZnO nanoparticles as sorbents for heavy metal ions. <i>Separation Science and Technology</i> , 2020, 55, 1922-1931.	1.3	4
309	Removal of methylene blue dye from aqueous solution using activated charcoal modified manganese ferrite (AC-MnFe <sub>2</sub> O <sub>4</sub> ): kinetics, isotherms, and thermodynamics studies. <i>Particulate Science and Technology</i> , 2020, 38, 756-767.	1.1	11
310	Lanthanum- and cerium-based functionalization of chars and activated carbons for the adsorption of fluoride and arsenic ions. <i>International Journal of Environmental Science and Technology</i> , 2020, 17, 115-128.	1.8	26
311	Cellulose nanocrystal modified with 3-chloro propyl trimethoxysilane: a new bio-adsorbent for nitrate removal from water. <i>Water and Environment Journal</i> , 2020, 34, 50-60.	1.0	10

#	ARTICLE	IF	CITATIONS
312	Sisal fiber as an alternative and cost-effective adsorbent for the removal of methylene blue and reactive black 5 dyes from aqueous solutions. <i>Chemical Engineering Communications</i> , 2020, 207, 523-536.	1.5	40
313	Low cost biosorbents from fungi for heavy metals removal from wastewater. <i>Separation Science and Technology</i> , 2020, 55, 1766-1775.	1.3	146
314	Evaluation of phosphate adsorption on zirconium/magnesium-modified bentonite. <i>Environmental Technology (United Kingdom)</i> , 2020, 41, 586-602.	1.2	10
315	One-pot synthesis of molecular-imprinted membrane for selective extraction of caffeic acid. <i>Polymer Bulletin</i> , 2020, 77, 3953-3968.	1.7	4
316	Adsorption removal of methylene blue onto activated carbon/cellulose biocomposite films: Equilibrium and kinetic studies. <i>Materials Chemistry and Physics</i> , 2020, 240, 122221.	2.0	199
317	Amphiphilic hyper-crosslinked porous cyclodextrin polymer with high specific surface area for rapid removal of organic micropollutants. <i>Chemical Engineering Journal</i> , 2020, 382, 123015.	6.6	62
318	Novel cyclodextrin-based adsorbents for removing pollutants from wastewater: A critical review. <i>Chemosphere</i> , 2020, 241, 125043.	4.2	190
319	Laterite as a low-cost adsorbent in a sustainable decentralized filtration system to remove arsenic from groundwater in Vietnam. <i>Science of the Total Environment</i> , 2020, 699, 134267.	3.9	43
320	Modification of sludge-based biochar and its application to phosphorus adsorption from aqueous solution. <i>Journal of Material Cycles and Waste Management</i> , 2020, 22, 123-132.	1.6	21
321	Spectroscopic and Mineralogical Characterization of Bentonite Clay (Ghardaia, Algeria) for Heavy Metals Removal in Aqueous Solutions. <i>International Journal of Environmental Research</i> , 2020, 14, 1-14.	1.1	12
322	Modeling and optimization of process parameters in elucidating the adsorption mechanism of Gallic acid on activated carbon prepared from date stones. <i>Separation Science and Technology</i> , 2020, 55, 3113-3125.	1.3	26
323	Low-molecular-weight organic acids enable biochar to immobilize nitrate. <i>Chemosphere</i> , 2020, 240, 124872.	4.2	30
324	Waste-based biosorbents as cost-effective alternatives to commercial adsorbents for the retention of fluoxetine from water. <i>Separation and Purification Technology</i> , 2020, 235, 116139.	3.9	52
325	Removal of aluminum from alkaline aqueous solution by adsorption on Degussa P25 TiO <sub>2</sub> and vermiculite concrete-supported ferric oxyhydroxide. <i>Canadian Journal of Chemical Engineering</i> , 2020, 98, 373-383.	0.9	2
326	Amino-decorated magnetic metal-organic framework as a potential novel platform for selective removal of chromium (VI), cadmium (II) and lead (II). <i>Journal of Hazardous Materials</i> , 2020, 381, 120979.	6.5	125
327	Preparation of a novel magnetic geopolymers/zero-valent iron composite with remarkable adsorption performance towards aqueous Acid Red 97. <i>Chemical Engineering Communications</i> , 2020, 207, 1048-1061.	1.5	16
328	Thermodynamic, kinetic and equilibrium isotherm studies of As(V) adsorption by Fe(III)-impregnated bentonite. <i>Environment, Development and Sustainability</i> , 2020, 22, 5273-5295.	2.7	17
329	Recent trends on numerical investigations of response surface methodology for pollutants adsorption onto activated carbon materials: A review. <i>Critical Reviews in Environmental Science and Technology</i> , 2020, 50, 1043-1084.	6.6	109

#	ARTICLE	IF	CITATIONS
330	Raw and modified clays and clay minerals for the removal of pharmaceutical products from aqueous solutions: State of the art and future perspectives. <i>Critical Reviews in Environmental Science and Technology</i> , 2020, 50, 1451-1514.	6.6	37
331	Nano-hybrid bimetallic Au-Pd catalysts for ambient condition-catalytic wet air oxidation (AC-CWAO) of organic dyes. <i>Separation and Purification Technology</i> , 2020, 233, 115960.	3.9	36
332	Efficient removal of naphthalene from aqueous solutions using a nanoporous kaolin/Fe <sub>3</sub> O <sub>4</sub> composite. <i>International Journal of Environmental Science and Technology</i> , 2020, 17, 1991-2002.	1.8	25
333	Fast removal of Pb(II) and Cu(II) from contaminated water by groundwater treatment waste: impact of sorbent composition. <i>Separation Science and Technology</i> , 2020, 55, 2855-2868.	1.3	2
334	The role of fluoroaluminate complexes on the adsorption of fluoride onto hydrous alumina in aqueous solutions. <i>Journal of Colloid and Interface Science</i> , 2020, 561, 275-286.	5.0	23
335	Recovery of Pd(II), Ir(III) and Rh(III) from aqueous solutions with Brewer's™ Yeast-functionalised bentonite. <i>Minerals Engineering</i> , 2020, 145, 106101.	1.8	9
336	Electrokinetic effects on the interaction of phenanthrene with geo-sorbents. <i>Chemosphere</i> , 2020, 242, 125161.	4.2	7
337	Hydrolyzed polyacrylamide modified diatomite waste as a novel adsorbent for organic dye removal: Adsorption performance and mechanism studies. <i>Polyhedron</i> , 2020, 175, 114227.	1.0	38
338	A one-pot microwave-assisted synthesis of IPN hydrogels based on HEMA/AM/PVA blend for enhancing Cu(II) and Pb(II) ions removal. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 103469.	3.3	21
339	Coated impregnated resin containing Alamine 336 for the selective adsorption of ReO <sub>4</sub> <sup>-</sup> from sulfuric acid solutions. <i>Journal of Molecular Liquids</i> , 2020, 297, 111901.	2.3	10
340	Enhancing the Textile Dye Removal from Aqueous Solution Using Cobalt Ferrite Nanoparticles Prepared in Presence of Fulvic Acid. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2020, 30, 1798-1813.	1.9	20
341	Broadened operating pH range for adsorption/reduction of aqueous Cr(VI) using biochar from directly treated jute ( <i>Corchorus capsularis</i> L.) fibers by H <sub>3</sub> PO <sub>4</sub> . <i>Chemical Engineering Journal</i> , 2020, 381, 122739.	6.6	101
342	Heteroatom-doped highly porous carbons prepared by <i>in situ</i> activation for efficient adsorptive removal of sulfamethoxazole. <i>RSC Advances</i> , 2020, 10, 1595-1602.	1.7	9
343	Modelling of methylene blue adsorption using peroxidase immobilized functionalized Bucky paper/polyvinyl alcohol membrane via ant colony optimization. <i>Environmental Pollution</i> , 2020, 259, 113940.	3.7	68
344	Adsorption behaviour of Eu(III) on natural bamboo fibres: effects of pH, humic acid, contact time, and temperature. <i>Nuclear Science and Techniques/Hewuli</i> , 2020, 31, 1.	1.3	7
345	Liquid-phase adsorption: Common problems and how we could do better. <i>Journal of Molecular Liquids</i> , 2020, 301, 112378.	2.3	26
346	The molecular interactions of organic compounds with tire crumb materials differ substantially from those with other microplastics. <i>Environmental Sciences: Processes and Impacts</i> , 2020, 22, 121-130.	1.7	9
347	Surface modification of pine bark with quaternary ammonium groups and its use for vanadium removal. <i>Chemical Engineering Journal</i> , 2020, 385, 123967.	6.6	74

#	ARTICLE	IF	CITATIONS
348	Metal nanoparticles decorated phosphorylated carbon nanotube/cyclodextrin nanosponge for trichloroethylene and Congo red dye adsorption from wastewater. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 103602.	3.3	33
349	Graphene Oxide-Supported Organo-Montmorillonite Composites for the Removal of Pb(II), Cd(II), and As(V) Contaminants from Water. <i>ACS Applied Nano Materials</i> , 2020, 3, 806-813.	2.4	30
350	Letter to the Editor: Comments on "Adsorption of methylene blue and Cd(II) onto maleylated modified hydrochar from water". <i>Environmental Pollution</i> , 2020, 261, 113824.	3.7	5
351	Zero-valent iron-manganese bimetallic nanocomposites catalyze hypochlorite for enhanced thallium(I) oxidation and removal from wastewater: Materials characterization, process optimization and removal mechanisms. <i>Journal of Hazardous Materials</i> , 2020, 386, 121900.	6.5	43
352	Kinetics and thermodynamics of methylene blue adsorption on the Fe-oxide nanoparticles embedded in the mesoporous SiO <sub>2</sub> . <i>Advanced Powder Technology</i> , 2020, 31, 816-826.	2.0	20
353	Insights into membrane fouling implicated by physical adsorption of soluble microbial products onto D3520 resin. <i>Chinese Journal of Chemical Engineering</i> , 2020, 28, 429-439.	1.7	6
354	Fe(II) Removal from Aqueous Solution by Layered Double Hydroxide/Graphene Composites: Adsorption Coupled with Surface Oxidation. <i>Environmental Engineering Science</i> , 2020, 37, 43-52.	0.8	6
355	On the difficulties of being rigorous in environmental geochemistry studies: some recommendations for designing an impactful paper. <i>Environmental Science and Pollution Research</i> , 2020, 27, 1267-1275.	2.7	16
356	Use of chicken feather and eggshell to synthesize a novel magnetized activated carbon for sorption of heavy metal ions. <i>Bioresource Technology</i> , 2020, 297, 122452.	4.8	120
357	Green remediation of Cd and Hg contaminated soil using humic acid modified montmorillonite: Immobilization performance under accelerated ageing conditions. <i>Journal of Hazardous Materials</i> , 2020, 387, 122005.	6.5	87
358	Residual diatomaceous earth as a potential and cost effective biosorbent of the azo textile dye Reactive Blue 160. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 103617.	3.3	31
359	Current advancement and future prospect of biosorbents for bioremediation. <i>Science of the Total Environment</i> , 2020, 709, 135895.	3.9	165
360	Incense stick ash as a novel and sustainable adsorbent for sequestration of Victoria Blue from aqueous phase. <i>Sustainable Chemistry and Pharmacy</i> , 2020, 15, 100199.	1.6	23
361	Comments on "Aqueous-phase methylene blue (MB) dye removal by mixture of eucalyptus bark (EB) biomass and kaolin clay (KC) adsorbents: Kinetics, thermodynamics, and isotherm modeling". <i>Separation Science and Technology</i> , 2020, 55, 823-824.	1.3	2
362	Synthesis of nano-magnetic MnFe <sub>2</sub> O <sub>4</sub> to remove Cr(III) and Cr(VI) from aqueous solution: A comprehensive study. <i>Environmental Pollution</i> , 2020, 265, 113685.	3.7	40
363	Comparative studies on structural, magnetic and adsorptive properties of fused Fe <sub>2</sub> O <sub>3</sub> @ SiO <sub>2</sub> and rattle shaped SiO <sub>2</sub> @ Fe <sub>2</sub> O <sub>3</sub> nanospheres with reversal of core-shell. <i>Materials Chemistry and Physics</i> , 2020, 242, 122548.	2.0	7
364	Assessment of iron-modified calcite/zeolite mixture as a capping material to control sedimentary phosphorus and nitrogen liberation. <i>Environmental Science and Pollution Research</i> , 2020, 27, 3962-3978.	2.7	9
365	Evaluation of orange peel-derived activated carbons for treatment of dye-contaminated wastewater tailings. <i>Environmental Science and Pollution Research</i> , 2020, 27, 1053-1068.	2.7	46



#	ARTICLE	IF	CITATIONS
366	Adsorption of heavy metals by L-cysteine intercalated layered double hydroxide: Kinetic, isothermal and mechanistic studies. <i>Journal of Colloid and Interface Science</i> , 2020, 562, 149-158.	5.0	120
367	Comparison of adsorption behavior studies of Cd <sup>2+</sup> by vermicompost biochar and KMnO <sub>4</sub> -modified vermicompost biochar. <i>Journal of Environmental Management</i> , 2020, 256, 109959.	3.8	60
368	A review of the potential utilisation of plastic waste as adsorbent for removal of hazardous priority contaminants from aqueous environments. <i>Environmental Pollution</i> , 2020, 258, 113698.	3.7	77
369	Multi-component adsorption of Pb(II), Cd(II) and Ni(II) onto microwave-functionalized cellulose: Kinetics, isotherms, thermodynamics, mechanisms and application for electroplating wastewater purification. <i>Journal of Hazardous Materials</i> , 2020, 387, 121718.	6.5	127
370	Design and characterization of a biomass template/SnO <sub>2</sub> nanocomposite for enhanced adsorption of 2,4-dichlorophenol. <i>Environmental Research</i> , 2020, 181, 108955.	3.7	35
371	β-Cyclodextrin-chitosan biocomposites for synergistic removal of imazethapyr and imazamox from soils: Fabrication, performance and mechanisms. <i>Science of the Total Environment</i> , 2020, 710, 135659.	3.9	12
372	Preparation of polyaminated Fe <sub>3</sub> O <sub>4</sub> @chitosan core-shell magnetic nanoparticles for efficient adsorption of phosphate in aqueous solutions. <i>Journal of Industrial and Engineering Chemistry</i> , 2020, 83, 235-246.	2.9	64
373	Preparation and evaluation of hydrocalumite-iron oxide magnetic intercalated with dodecyl sulfate for removal of agrichemicals. <i>Journal of Environmental Management</i> , 2020, 255, 109845.	3.8	18
374	A novel nanomaterial and its new application for efficient radioactive strontium removal from tap water: KZTS-NS metal sulfide adsorbent versus CTA-F-MF process. <i>Chemical Engineering Journal</i> , 2020, 391, 123486.	6.6	31
375	Removal of Drugs in Polluted Waters with Char Obtained by Pyrolysis of Hair Waste from the Tannery Process. <i>ACS Omega</i> , 2020, 5, 24389-24402.	1.6	18
376	Waste peanut shell modified with polyethyleneimine for enhancement of hexavalent chromium removal from solution in batch and column modes. <i>Bioresource Technology Reports</i> , 2020, 12, 100576.	1.5	20
377	Facile synthesis of thiosalicylic acid functionalized silica gel for effective removal of Cr(III): Equilibrium modeling, kinetic and thermodynamic studies. <i>Environmental Nanotechnology, Monitoring and Management</i> , 2020, 14, 100353.	1.7	7
378	Highly selective and efficient lignin-magnesium for removing cationic dyes from wastewater. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 104283.	3.3	10
379	Facile synthesis of polyethyleneimine modified magnetic graphite: An effective adsorbent for the removal of humic acid from aqueous solution. <i>Materials Chemistry and Physics</i> , 2020, 255, 123549.	2.0	8
380	Simultaneous adsorption of Cu <sup>2+</sup> and Cr (VI) using HDTMA-modified zeolite: isotherm, kinetic, mechanism, and thermodynamic studies. <i>Water Science and Technology</i> , 2020, 82, 1808-1824.	1.2	11
381	The starch modified montmorillonite for the removal of Pb(II), Cd(II) and Ni(II) ions from aqueous solutions. <i>Arabian Journal of Chemistry</i> , 2020, 13, 7212-7223.	2.3	29
382	Enhanced Adsorption of Toxic and Biologically Active Levofloxacin Residuals from Wastewater Using Clay Nanotubes as a Novel Fixed Bed: Column Performance and Optimization. <i>ACS Omega</i> , 2020, 5, 26195-26205.	1.6	20
383	Modeling of Reactive Black 5 azo dye adsorption from aqueous solution on activated carbon prepared from poplar sawdust using response surface methodology. <i>International Journal of Environmental Analytical Chemistry</i> , 2022, 102, 6970-6987.	1.8	4



#	ARTICLE	IF	CITATIONS
384	Dual-Electronic Nanomaterial (Synthetic Clay) for Effective Removal of Toxic Cationic and Oxyanionic Metal Ions from Water. <i>Journal of Nanomaterials</i> , 2020, 2020, 1-11.	1.5	8
385	Synthesis of sludge-derived biochar modified with eggshell waste for monoethylene glycol removal from aqueous solutions. <i>SN Applied Sciences</i> , 2020, 2, 1.	1.5	24
386	Adsorption Mechanism of Hexavalent Chromium on Biochar: Kinetic, Thermodynamic, and Characterization Studies. <i>ACS Omega</i> , 2020, 5, 27323-27331.	1.6	52
387	A review of phosphate adsorption on Mg-containing materials: kinetics, equilibrium, and mechanistic insights. <i>Environmental Science: Water Research and Technology</i> , 2020, 6, 3178-3194.	1.2	24
388	Removal of Cu(II) ions from simulated wastewater using bagasse pith grafted polyacrylamide copolymer. <i>Chemical Engineering Research and Design</i> , 2020, 164, 361-372.	2.7	8
389	Graphene oxide functionalized with cobalt ferrites applied to the removal of bisphenol A: ionic study, reuse capacity and desorption kinetics. <i>Environmental Technology (United Kingdom)</i> , 2022, 43, 1388-1404.	1.2	9
390	Removal of dissolved organic nitrogen amino acid from aqueous solutions using activated carbon based on date pits. <i>Water Practice and Technology</i> , 2020, 15, 1158-1173.	1.0	3
391	Magnetic modification of coffee husk hydrochar for adsorptive removal of methylene blue: Isotherms, kinetics and thermodynamic studies. <i>Environmental Chemistry and Ecotoxicology</i> , 2020, 2, 205-212.	4.6	31
392	Cellulose Microfibres Obtained from Agro-Industrial Tara Waste for Dye Adsorption in Water. <i>Water, Air, and Soil Pollution</i> , 2020, 231, 1.	1.1	6
393	Activated carbon from wood wastes for the removal of uranium and thorium ions through modification with mineral acid. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 607, 125516.	2.3	54
394	Defluoridation by fluorapatite crystallization in a fluidized bed reactor under alkaline groundwater condition. <i>Journal of Cleaner Production</i> , 2020, 272, 122805.	4.6	12
395	Synthesis, characterization and application of cross-linked chitosan/oxalic acid hydrogels to improve azo dye (Reactive Red 195) adsorption. <i>Reactive and Functional Polymers</i> , 2020, 155, 104699.	2.0	53
396	Evaluation of Groundwater and Grey Water Contamination with Heavy Metals and Their Adsorptive Remediation Using Renewable Carbon from a Mixed-Waste Source. <i>Water (Switzerland)</i> , 2020, 12, 1802.	1.2	7
397	Biosorption of organic micropollutants onto lignocellulosic-based material. <i>Water Science and Technology</i> , 2020, 82, 427-439.	1.2	1
398	Rapid and Selective Water Remediation through a Functionalized Pillar <sup>®</sup> ™s Core of a Novel Metal-Organic Framework. <i>Crystal Growth and Design</i> , 2020, 20, 6109-6116.	1.4	6
399	Selective adsorption of heavy metal ions from aqueous solution by modified bagasse. <i>Chemistry and Ecology</i> , 2020, 36, 839-854.	0.6	10
400	A cost-effective solid platform based on nanosized $\text{Fe}_2\text{O}_3$ chemically treated polyurethane foam for separation of chromium(VI) from water: characterization, kinetic, thermodynamic study and analytical utility. <i>International Journal of Environmental Analytical Chemistry</i> , 2022, 102, 4784-4803.	1.8	2
401	Selection of the Activated Carbon Type for the Treatment of Landfill Leachate by Fenton-Adsorption Process. <i>Molecules</i> , 2020, 25, 3023.	1.7	11

#	ARTICLE	IF	CITATIONS
402	Dynamics modeling of multicomponent metal ions™ removal onto low-cost buckwheat hulls. <i>Environmental Science and Pollution Research</i> , 2020, 28, 46504-46513.	2.7	3
403	Novel design of microsphere adsorbent for efficient heavy metals adsorption. <i>International Journal of Applied Ceramic Technology</i> , 2020, 17, 2228-2239.	1.1	6
404	Phase transformed iron oxide – iron (oxy) hydroxide composite nanoflorets grown on foam-like graphene as a high performing adsorbent. <i>Chemical Engineering Journal</i> , 2020, 388, 124306.	6.6	16
405	Biosorption of indigo carmine from aqueous solution by <i>Terminalia Catappa</i> shell. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 104290.	3.3	74
406	Comparison of Organic Materials for the Passive Treatment of Synthetic Neutral Mine Drainage Contaminated by Nickel: Adsorption and Desorption Kinetics and Isotherms. <i>Water, Air, and Soil Pollution</i> , 2020, 231, 1.	1.1	6
407	Application of fly ash modified by alkaline fusion as an effective adsorbent to remove methyl violet 10B in water. <i>Chemical Engineering Communications</i> , 2022, 209, 184-195.	1.5	4
408	Adsorptive removal of both cationic and anionic dyes by using sepiolite clay mineral as adsorbent: Experimental and molecular dynamic simulation studies. <i>Journal of Molecular Liquids</i> , 2020, 318, 114247.	2.3	82
409	Sorption of Fluoride Ions onto Cellulose and Aluminum Oxide Composites. <i>Russian Journal of Inorganic Chemistry</i> , 2020, 65, 1770-1775.	0.3	1
410	Liquid–Solid Mass Transfer in Adsorption Systems–An Overlooked Resistance?. <i>Industrial &amp; Engineering Chemistry Research</i> , 2020, 59, 22007-22016.	1.8	44
411	Reusable magnetite nanoparticles–biochar composites for the efficient removal of chromate from water. <i>Scientific Reports</i> , 2020, 10, 19007.	1.6	25
412	Defect induced –super mop–like behaviour of Eu <sup>3+</sup> -doped hierarchical Bi <sub>2</sub> SiO <sub>5</sub> nanoparticles for improved catalytic and adsorptive behaviour. <i>Materials Advances</i> , 2020, 1, 2019-2032.	2.6	6
413	Microwave based regenerating permeable reactive barriers (MW-PRBs): Proof of concept and application for Cs removal. <i>Chemosphere</i> , 2020, 251, 126582.	4.2	9
414	Sodium-modified mesoporous TiO <sub>2</sub> : Sol-gel synthesis, characterization and adsorption activity toward heavy metal cations. <i>Journal of Molecular Liquids</i> , 2020, 316, 113840.	2.3	26
415	Mitigation of clofibric acid pollution by adsorption: A review of recent developments. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 104264.	3.3	60
416	Effects of phosphate loaded LDH-biochar/hydrochar on maize dry matter and P uptake in a calcareous soil. <i>Archives of Agronomy and Soil Science</i> , 2021, 67, 1649-1664.	1.3	6
417	Sesame ( <i>Sesamum indicum</i> ) oil cake–industrial waste biomass for sequestration of Basic Blue 26 from aqueous media. <i>Biomass Conversion and Biorefinery</i> , 2022, 12, 3783-3793.	2.9	1
418	Phosphorus removal from secondary wastewater effluent using copper smelter slag. <i>Heliyon</i> , 2020, 6, e04134.	1.4	11
419	Coupling reaction and vacuum distillation to prepare $\beta$ -CD-based adsorption material for organic dyes. <i>Materials Today Communications</i> , 2020, 24, 101350.	0.9	0

#	ARTICLE	IF	CITATIONS
420	Production of polyacrylonitrile nanofibres modified with Cyanex 272 for recovery of gallium from solution. <i>Environmental Technology (United Kingdom)</i> , 2022, 43, 737-750.	1.2	9
421	Promoting the decontamination of different types of water pollutants (Cd <sup>2+</sup> , safranin dye, and Tj ETQq1 1 0.784314 rgBT /Overlock of Environmental Management, 2020, 273, 111130.	3.8	29
422	Electrochemical recovery of low concentrated platinum (Pt) on nickel hexacyanoferrate nanoparticles film. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2020, 111, 246-251.	2.7	8
423	The effect of water temperature on the removal of 2-methylisoborneol and geosmin by preloaded granular activated carbon. <i>Water Research</i> , 2020, 183, 116065.	5.3	16
424	Single-Component and Multi-Component Metal Abatement in Water Using a Hydrogel Based on Chitosan: Characterization, Isotherm, Kinetic, and Thermodynamic Results. <i>Water, Air, and Soil Pollution</i> , 2020, 231, 1.	1.1	4
425	Adsorption isotherms and kinetics for the removal of cationic dye by Cellulose-based adsorbent biocomposite films. <i>Korean Journal of Chemical Engineering</i> , 2020, 37, 1999-2010.	1.2	9
426	Biochar Aging: Mechanisms, Physicochemical Changes, Assessment, And Implications for Field Applications. <i>Environmental Science &amp; Technology</i> , 2020, 54, 14797-14814.	4.6	273
427	Laccase-zein interactions at the air-water interface: Reactors on an air bubble and naphthalene removal from water. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 607, 125518.	2.3	6
428	Antibiotic Adsorption by Metal-Organic Framework (UiO-66): A Comprehensive Kinetic, Thermodynamic, and Mechanistic Study. <i>Antibiotics</i> , 2020, 9, 722.	1.5	17
429	Natural Purification Through Soils: Risks and Opportunities of Sewage Effluent Reuse in Sub-surface Irrigation. <i>Reviews of Environmental Contamination and Toxicology</i> , 2020, 250, 85-117.	0.7	3
430	Adsorption Thermodynamics of Cr(VI) Removal by using Agro-Industrial Waste of Oil Palm Bagasse and Plantain Peels. <i>Ingenieria E Investigacion</i> , 2020, 40, 22-28.	0.2	3
431	Ethanol-assisted mechanical activation of zero-valent aluminum for fast and highly efficient removal of Cr(VI). <i>Applied Surface Science</i> , 2020, 533, 147543.	3.1	22
432	Novel magnetic gel beads based on ionically crosslinked sodium alginate and polyanetholesulfonic acid: Synthesis and application for adsorption of cationic dyes. <i>Materials Chemistry and Physics</i> , 2020, 256, 123659.	2.0	38
433	Selective nitrate removal from aqueous solutions by a hydrotalcite-like absorbent FeMgMn-LDH. <i>Scientific Reports</i> , 2020, 10, 16126.	1.6	28
434	Adsorptive removal of phosphate by a Fe-Mn-La tri-metal composite sorbent: Adsorption capacity, influence factors, and mechanism. <i>Adsorption Science and Technology</i> , 2020, 38, 254-270.	1.5	13
435	Effect of Pyrolysis of Rice Husk-Derived Biochar on the Fuel Characteristics and Adsorption of Fluoride from Aqueous Solution. <i>Bioenergy Research</i> , 2021, 14, 964-977.	2.2	18
436	Microwave-assisted one pot synthesis of Î²-cyclodextrin modified biochar for concurrent removal of Pb(II) and bisphenol a in water. <i>Carbohydrate Polymers</i> , 2020, 250, 117003.	5.1	50
437	Simultaneous extraction of permethrin diastereomers and deltamethrin in environmental water samples based on aperture regulated magnetic mesoporous silica. <i>New Journal of Chemistry</i> , 2020, 44, 16152-16162.	1.4	5

#	ARTICLE	IF	CITATIONS
438	Heterogeneous Fenton Oxidation Using Magnesium Ferrite Nanoparticles for Ibuprofen Removal from Wastewater: Optimization and Kinetics Studies. <i>Journal of Nanomaterials</i> , 2020, 2020, 1-9.	1.5	25
439	Design and Synthesis of Reusable Nanoparticles for Reversible Chemisorption of Hexavalent Chromium Anions from Aqueous Media and Catalysis. <i>Journal of Chemistry</i> , 2020, 2020, 1-17.	0.9	0
440	Sorption and mechanism studies of Cu <sup>2+</sup> , Sr <sup>2+</sup> and Pb <sup>2+</sup> ions on mesoporous aluminosilicates/zeolite composite sorbents. <i>Water Science and Technology</i> , 2020, 82, 984-997.	1.2	13
441	New Eco-Materials Derived from Waste for Emerging Pollutants Adsorption: The Case of Diclofenac. <i>Materials</i> , 2020, 13, 3964.	1.3	9
442	Novel hybrid metal loaded chelating resins for removal of toxic metals from acid mine drainage. <i>Water Science and Technology</i> , 2020, 81, 2568-2584.	1.2	3
443	Amine-functionalized microporous covalent organic polymers for adsorptive removal of a gaseous aliphatic aldehyde mixture. <i>Environmental Science: Nano</i> , 2020, 7, 3447-3468.	2.2	18
445	The Kinetics of Manganese Sorption on Ukrainian Tuff and Basalt Order and Diffusion Models Analysis. <i>Minerals (Basel, Switzerland)</i> , 2020, 10, 1065.	0.8	12
446	Heavy Metal Sorption by Sludge-Derived Biochar with Focus on Pb <sup>2+</sup> Sorption Capacity at 1/4g/L Concentrations. <i>Processes</i> , 2020, 8, 1559.	1.3	4
447	Adsorption removal of cyclopentanol generated from Fenton oxidation treatment industrial wastewater process with activated carbon fiber cloths. <i>IOP Conference Series: Earth and Environmental Science</i> , 2020, 601, 012002.	0.2	1
448	Mitigation of Metronidazole (Flagyl) pollution in aqueous media by adsorption: a review. <i>Environmental Technology Reviews</i> , 2020, 9, 137-148.	2.1	44
449	Weathered Sand of Basalt as a Potential Nickel Adsorbent. <i>Processes</i> , 2020, 8, 1238.	1.3	6
450	Wastewater Management: Bibliometric Analysis of Scientific Literature. <i>Water (Switzerland)</i> , 2020, 12, 2963.	1.2	24
451	Insight into the synergistic photocatalytic-adsorptive removal of methyl orange dye using TiO <sub>2</sub> /chitosan based photocatalyst. <i>International Journal of Biological Macromolecules</i> , 2020, 165, 2462-2474.	3.6	30
452	Adsorption kinetics models in clay systems. The critical analysis of pseudo-second order mechanism. <i>Applied Clay Science</i> , 2020, 191, 105630.	2.6	64
453	Removal of fluoride from water using activated carbon fibres modified with zirconium by a drop-coating method. <i>Chemosphere</i> , 2020, 255, 126950.	4.2	52
454	A comprehensive adsorption study of 1-Hydroxy-2-Naphthoic acid using cost effective engineered materials. <i>Environmental Technology and Innovation</i> , 2020, 19, 100881.	3.0	2
455	Co <sup>2+</sup> removal from wastewater using apatite prepared through phosphate waste rocks valorization : Equilibrium, kinetics and thermodynamics studies. <i>Scientific African</i> , 2020, 8, e00350.	0.7	2
456	Adsorption of Sr(II) ions and salicylic acid onto magnetic magnesium-zinc ferrites: isotherms and kinetic studies. <i>Environmental Science and Pollution Research</i> , 2020, 27, 26681-26693.	2.7	59

#	ARTICLE	IF	CITATIONS
457	Mercury removal from wastewater using agroindustrial waste adsorbents. <i>SN Applied Sciences</i> , 2020, 2, 1.	1.5	40
458	Novel, recyclable active capping systems using fabric-wrapped zirconium-modified magnetite/bentonite composite for sedimentary phosphorus release control. <i>Science of the Total Environment</i> , 2020, 727, 138633.	3.9	19
459	Vegetable residue of fenugreek ( <i>Trigonella Foenum-Graecum</i> ), waste biomass for removal of Basic Violet 14 from wastewater: Kinetic, equilibrium, and reusability studies. <i>Sustainable Chemistry and Pharmacy</i> , 2020, 16, 100269.	1.6	7
460	Comments on "Fast and efficient removal of Cr(VI) to ppb level together with Cr(III) sequestration in water using layered double hydroxide intercalated with diethyldithiocarbamate". <i>Science of the Total Environment</i> , 2020, 746, 139854.	3.9	8
461	Effect of lignosulfonate on the adsorption performance of hematite for Cd(II). <i>Science of the Total Environment</i> , 2020, 738, 139952.	3.9	20
462	Selective, highly efficient extraction of Cr(III), Pb(II) and Fe(III) from complex water environment with a tea residue derived porous gel adsorbent. <i>Bioresource Technology</i> , 2020, 311, 123520.	4.8	53
463	Carboxymethyl cellulose improved adsorption capacity of polypyrrole/CMC composite nanoparticles for removal of reactive dyes: Experimental optimization and DFT calculation. <i>Chemosphere</i> , 2020, 255, 127052.	4.2	63
464	Carboxylated cellulose cryogel beads via a one-step ester crosslinking of maleic anhydride for copper ions removal. <i>Carbohydrate Polymers</i> , 2020, 242, 116397.	5.1	36
465	Sorption of G-agent simulant vapours on human scalp hair. <i>Chemico-Biological Interactions</i> , 2020, 326, 109111.	1.7	0
466	Adsorptive removal of an eight-component volatile organic compound mixture by Cu-, Co-, and Zr-metal-organic frameworks: Experimental and theoretical studies. <i>Chemical Engineering Journal</i> , 2020, 397, 125391.	6.6	72
467	A potential lignocellulosic biomass based on banana waste for critical rare earths recovery from aqueous solutions. <i>Environmental Pollution</i> , 2020, 264, 114409.	3.7	44
468	A stiff ZnO/carbon foam composite with second-level macroporous structure filled ZnO particles for heavy metal ions removal. <i>Environmental Research</i> , 2020, 188, 109698.	3.7	27
469	Use of polyethylenimine functionalised magnetic nanoparticles for gold thiosulfate recovery. <i>Hydrometallurgy</i> , 2020, 195, 105375.	1.8	8
470	Use of low-cost natural waste from the furniture industry for the removal of methylene blue by adsorption: isotherms, kinetics and thermodynamics. <i>Cellulose</i> , 2020, 27, 6445-6466.	2.4	41
471	<i>Ipomoea aquatica</i> roots as environmentally friendly and green adsorbent for efficient removal of Auramine O dye. <i>Surfaces and Interfaces</i> , 2020, 20, 100543.	1.5	12
472	Adsorption of Cu(II) and Ni(II) ions from wastewater onto bentonite and bentonite/GO composite. <i>Environmental Science and Pollution Research</i> , 2020, 27, 33270-33296.	2.7	62
473	Preparation of a nano bio-composite based on cellulosic biomass and conducting polymeric nanoparticles for ibuprofen removal: Kinetics, isotherms, and energy site distribution. <i>International Journal of Biological Macromolecules</i> , 2020, 162, 663-677.	3.6	54
474	Influence of selected amides and adsorbent particle size on the adsorption of p-nitrophenol on granulated activated carbon. <i>Environmental Technology (United Kingdom)</i> , 2020, , 1-12.	1.2	2

#	ARTICLE	IF	CITATIONS
475	Surface modification of titania nanoparticles by catechol derivative molecules: Preparation of concentrated suspensions. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 602, 125167.	2.3	11
476	Simultaneously enhanced removal and stepwise recovery of atrazine and Pb(II) from water using $\beta$ -cyclodextrin functionalized cellulose: Characterization, adsorptive performance and mechanism exploration. <i>Journal of Hazardous Materials</i> , 2020, 400, 123142.	6.5	67
477	Uptake of micropollutant-bisphenol A, methylene blue and neutral red onto a novel bagasse- $\beta$ -cyclodextrin polymer by adsorption process. <i>Chemosphere</i> , 2020, 259, 127439.	4.2	99
478	Chitosan and corn stover derivative bioadsorbent: characterization and application in hexavalent chromium adsorption processes. <i>Cellulose</i> , 2020, 27, 6317-6331.	2.4	10
479	Synthesis and evaluation of zirconia/magnetite/zeolite composite for controlling phosphorus release from sediment: A laboratory study. <i>Ecological Engineering</i> , 2020, 151, 105874.	1.6	7
480	Removal of Barium from Solution by Natural and Iron(III) Oxide-Modified Allophane, Beidellite and Zeolite Adsorbents. <i>Materials</i> , 2020, 13, 2582.	1.3	16
481	Fabrication of hydrophobic/hydrophilic bifunctional adsorbent for the removal of sulfamethoxazole and bisphenol A in Water. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 104161.	3.3	27
482	Adsorption of chlorophenols on polyethylene terephthalate microplastics from aqueous environments: Kinetics, mechanisms and influencing factors. <i>Environmental Pollution</i> , 2020, 265, 114926.	3.7	55
483	Removal of phenolic compounds from aqueous solution using MgCl <sub>2</sub> -impregnated activated carbons derived from olive husk: the effect of chemical structures. <i>Water Science and Technology</i> , 2020, 81, 2351-2367.	1.2	9
484	Chemical regeneration of granular activated carbon: preliminary evaluation of alternative regenerant solutions. <i>Environmental Science: Water Research and Technology</i> , 2020, 6, 2043-2056.	1.2	46
485	Phosphate removal from water using alginate/carboxymethylcellulose/aluminum beads and plaster of paris. <i>Water Environment Research</i> , 2020, 92, 1255-1267.	1.3	12
486	Peanut shells-derived biochars prepared from different carbonization processes: Comparison of characterization and mechanism of naproxen adsorption in water. <i>Science of the Total Environment</i> , 2020, 726, 137828.	3.9	139
487	One-pot fabrication of reusable hybrid sorbents for quick removal of oils from wastewater. <i>Journal of Environmental Management</i> , 2020, 261, 109911.	3.8	15
488	Thermal oxidation activation of hydrochar for tetracycline adsorption: the role of oxygen concentration and temperature. <i>Bioresource Technology</i> , 2020, 306, 123096.	4.8	50
489	Green Carbon Material for Organic Contaminants Adsorption. <i>Langmuir</i> , 2020, 36, 3141-3148.	1.6	19
490	Microalgae: a sustainable adsorbent with high potential for upconcentration of indium from liquid process and waste streams. <i>Green Chemistry</i> , 2020, 22, 1985-1995.	4.6	14
491	Hollow Polyaniline Microsphere/Fe <sub>3</sub> O <sub>4</sub> Nanocomposite as an Effective Adsorbent for Removal of Arsenic from Water. <i>Scientific Reports</i> , 2020, 10, 4982.	1.6	75
492	Batch Adsorption and Column Leaching Studies of Aniline in Chinese Loess Under Different Hydrochemical Conditions. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2020, 104, 511-519.	1.3	8



#	ARTICLE	IF	CITATIONS
493	Diffusion mechanisms and effect of adsorbent geometry on heavy metal adsorption. <i>Chemical Engineering Research and Design</i> , 2020, 157, 182-194.	2.7	24
494	Comparison of Remazol Brilliant Blue Reactive Adsorption on Pristine and Calcined ZnAl, MgAl, ZnMgAl Layered Double Hydroxides. <i>Water, Air, and Soil Pollution</i> , 2020, 231, 1.	1.1	18
495	Synthesis and characterization maleate-alumoxane nanoparticles for removal of reactive yellow 84 dye from aqueous solution. <i>Advanced Powder Technology</i> , 2020, 31, 2061-2071.	2.0	13
496	The influence of ZSM-5 structure on As(V) adsorption performance: pseudomorphic transformation and grafting of rare-earth Ce onto ZSM-5. <i>Journal of Materials Science</i> , 2020, 55, 8145-8154.	1.7	14
497	One-pot green synthesis of novel 5,10-dihydro-1H-pyrazolo[1,2-b]phthalazine derivatives with eco-friendly biodegradable eggshell powder as efficacious catalyst. <i>Research on Chemical Intermediates</i> , 2020, 46, 3067-3083.	1.3	20
498	Contribution of Cross-Linker and Silica Morphology on Cr(VI) Sorption Performances of Organic Anion Exchangers Embedded into Silica Pores. <i>Molecules</i> , 2020, 25, 1249.	1.7	9
499	Environment-friendly <i>Juncus effusus</i> -based adsorbent with a three-dimensional network structure for highly efficient removal of dyes from wastewater. <i>Journal of Cleaner Production</i> , 2020, 259, 120812.	4.6	56
500	Metallic Iron for Environmental Remediation: Starting an Overdue Progress in Knowledge. <i>Water (Switzerland)</i> , 2020, 12, 641.	1.2	27
501	Sorption of Organic Pollutants by Humic Acids: A Review. <i>Molecules</i> , 2020, 25, 918.	1.7	84
502	Synthesis of a novel polysuccinimide based resin for the ultrahigh removal of anionic azo dyes from aqueous solution. <i>Environmental Research</i> , 2020, 184, 109337.	3.7	49
503	Incorporation of iron (oxyhydr)oxide nanoparticles with expanded graphite for phosphorus removal and recovery from aqueous solutions. <i>Chemosphere</i> , 2020, 259, 127395.	4.2	11
504	Comparative evaluation of wheat straw and press mud biochars for Cr(VI) elimination from contaminated aqueous solution. <i>Environmental Technology and Innovation</i> , 2020, 19, 101017.	3.0	18
505	Zirconium–Cerium and Zirconium–Lanthanum complexed polyvinyl alcohol films for efficient fluoride removal from aqueous solution. <i>Journal of Dispersion Science and Technology</i> , 0, , 1-16.	1.3	4
506	Multi-Metal Modified Layered Double Hydroxides for Cr(VI) and Fluoride Ion Adsorption in Single and Competitive Systems: Experimental and Mechanism Studies. <i>Environmental Engineering Science</i> , 2020, 37, 623-636.	0.8	7
507	A Comparative Study on Cu <sup>2+</sup> , Zn <sup>2+</sup> , Ni <sup>2+</sup> , Fe <sup>3+</sup> , and Cr <sup>3+</sup> Metal Ions Removal from Industrial Wastewaters by Chitosan-Based Composite Cryogels. <i>Molecules</i> , 2020, 25, 2664.	1.7	19
508	Synthesis of chitosan/MCM-48 and $\beta$ -cyclodextrin/MCM-48 composites as bio-adsorbents for environmental removal of Cd <sup>2+</sup> ions; kinetic and equilibrium studies. <i>Reactive and Functional Polymers</i> , 2020, 154, 104675.	2.0	72
509	Comparing the Adsorption Performance of Multiwalled Carbon Nanotubes Oxidized by Varying Degrees for Removal of Low Levels of Copper, Nickel and Chromium(VI) from Aqueous Solutions. <i>Water (Switzerland)</i> , 2020, 12, 723.	1.2	30
510	Caffeine removal by <i>Gliricidia sepium</i> biochar: Influence of pyrolysis temperature and physicochemical properties. <i>Environmental Research</i> , 2020, 189, 109865.	3.7	48



#	ARTICLE	IF	CITATIONS
511	Removal of Copper Ions from Aqueous Solution by a Hydrotalcite-Like Absorbent FeMnMg-LDH. <i>Water, Air, and Soil Pollution</i> , 2020, 231, 1.	1.1	9
512	Nonlinear regression analysis of the sorption of crystal violet and methylene blue from aqueous solutions onto an agro-waste derived activated carbon. <i>Applied Water Science</i> , 2020, 10, 1.	2.8	122
513	Synthesis of cellulose carbon aerogel via combined technology of wet ball-milling and TEMPO-mediated oxidation and its supersorption performance to ionic dyes. <i>Bioresource Technology</i> , 2020, 315, 123815.	4.8	17
514	Influence of caffeic acid on the adsorption of toluene onto an organophilic zeolite. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 104229.	3.3	2
515	Chitosan/montmorillonite composites for fast removal of methylene blue from aqueous solutions. <i>Materials Chemistry and Physics</i> , 2020, 254, 123236.	2.0	56
516	Adsorption of Re(VII) by coated solvent-impregnated resins containing Alamine 304-1 from sulfuric acid solutions. <i>Rare Metals</i> , 2020, 39, 942-950.	3.6	4
517	Glauconite clay-functionalized chitosan nanocomposites for efficient adsorptive removal of fluoride ions from polluted aqueous solutions. <i>RSC Advances</i> , 2020, 10, 25567-25585.	1.7	32
518	Elaboration of a core@shell bimagnetic nanoadsorbent (CoFe <sub>2</sub> O <sub>4</sub> @ <sup>3</sup> -Fe <sub>2</sub> O <sub>3</sub> ) for the removal of As(V) from water. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 600, 125002.	2.3	17
519	Removal of aqueous Cr(VI) using magnetic-gelatin supported on Brassica-straw biochar. <i>Journal of Dispersion Science and Technology</i> , 2021, 42, 1710-1722.	1.3	10
520	Carboxymethyl cellulose structured nano-adsorbent for removal of methyl violet from aqueous solution: isotherm and kinetic analyses. <i>Cellulose</i> , 2020, 27, 3677-3691.	2.4	38
521	Adsorption of heavy metal from industrial wastewater onto low-cost Malaysian kaolin clay-based adsorbent. <i>Environmental Science and Pollution Research</i> , 2020, 27, 13949-13962.	2.7	50
522	Recent advances on the development and application of magnetic activated carbon and char for the removal of pharmaceutical compounds from waters: A review. <i>Science of the Total Environment</i> , 2020, 718, 137272.	3.9	99
523	Persistent organic pollutants removal via hierarchical flower-like layered double hydroxide: Adsorption behaviors and mechanism investigation. <i>Applied Clay Science</i> , 2020, 188, 105500.	2.6	29
524	Recovery of grape waste for the preparation of adsorbents for water treatment: Mercury removal. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 103738.	3.3	17
525	In situ preparation of magnetic hydrochar by co-hydrothermal treatment of waste vinasse with red mud and its adsorption property for Pb(II) in aqueous solution. <i>Journal of Hazardous Materials</i> , 2020, 393, 122391.	6.5	87
526	Agrowaste derived biochars impregnated with ZnO for removal of arsenic and lead in water. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 103800.	3.3	70
527	Highly efficient adsorption performance of a novel magnetic geopolymer/Fe <sub>3</sub> O <sub>4</sub> composite towards removal of aqueous acid green 16 dye. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 103804.	3.3	67
528	Efficient removal of cytotoxic drugs from wastewater by single-stage combined photocatalysis-algae treatment process. <i>Environmental Technology (United Kingdom)</i> , 2021, 42, 3178-3190.	1.2	9

#	ARTICLE	IF	CITATIONS
529	Adsorption Behavior and Mechanism of Oxytetracycline on Rice Husk Ash: Kinetics, Equilibrium, and Thermodynamics of the Process. <i>Water, Air, and Soil Pollution</i> , 2020, 231, 1.	1.1	46
530	Guidelines for the use and interpretation of adsorption isotherm models: A review. <i>Journal of Hazardous Materials</i> , 2020, 393, 122383.	6.5	1,455
531	Templating synthesis of hierarchical porous carbon from heavy residue of tire pyrolysis oil for methylene blue removal. <i>Chemical Engineering Journal</i> , 2020, 390, 124398.	6.6	48
532	Novel Fe-Mn binary oxide-biochar as an adsorbent for removing Cd(II) from aqueous solutions. <i>Chemical Engineering Journal</i> , 2020, 389, 124465.	6.6	182
533	Development of a new low-cost adsorbent functionalized with iron nanoparticles for removal of metformin from contaminated water. <i>Chemosphere</i> , 2020, 247, 125852.	4.2	37
534	Removal of Cr (VI) from an aqueous solution using an activated carbon obtained from teakwood sawdust: Kinetics, equilibrium, and density functional theory calculations. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 103702.	3.3	51
535	Preparation of ternary amino-functionalized magnetic nano-sized illite-smectite clay for adsorption of Pb(II) ions in aqueous solution. <i>Environmental Science and Pollution Research</i> , 2020, 27, 11683-11696.	2.7	18
536	Adsorption of Re(VII) from sulfuric acid solutions by coated impregnated resins containing TBP. <i>Separation Science and Technology</i> , 2020, 55, 3320-3328.	1.3	5
537	Rational design, synthesis, adsorption principles and applications of metal oxide adsorbents: a review. <i>Nanoscale</i> , 2020, 12, 4790-4815.	2.8	269
538	Herbicide diuron removal from aqueous solution by bottom ash: Kinetics, isotherm, and thermodynamic adsorption studies. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 103667.	3.3	28
539	Paradigm shifts and current challenges in wastewater management. <i>Journal of Hazardous Materials</i> , 2020, 390, 122139.	6.5	80
540	Statistical modelling of endocrine disrupting compounds adsorption onto activated carbon prepared from wood using CCD-RSM and DE hybrid evolutionary optimization framework: Comparison of linear vs non-linear isotherm and kinetic parameters. <i>Journal of Molecular Liquids</i> , 2020, 302, 112526.	2.3	96
541	A new method of characterizing mass transfer controlling mechanism in pollutant adsorption from aqueous solutions. <i>Journal of Molecular Liquids</i> , 2020, 301, 112455.	2.3	11
542	Arsenic Sorption on Chitosan-Based Sorbents: Comparison of the Effect of Molybdate and Tungstate Loading on As(V) Sorption Properties. <i>Journal of Polymers and the Environment</i> , 2020, 28, 934-947.	2.4	24
543	Removal of phosphate from wastewater by modified bentonite entrapped in Ca-alginate beads. <i>Journal of Environmental Management</i> , 2020, 260, 110130.	3.8	42
544	Fe <sub>3</sub> O <sub>4</sub> nanoparticles functionalized GO/g-C <sub>3</sub> N <sub>4</sub> nanocomposite: An efficient magnetic nanoadsorbent for adsorptive removal of organic pollutants. <i>Materials Chemistry and Physics</i> , 2020, 244, 122710.	2.0	77
545	Removal of Antibiotics from Water by Polymer of Intrinsic Microporosity: Isotherms, Kinetics, Thermodynamics, and Adsorption Mechanism. <i>Scientific Reports</i> , 2020, 10, 794.	1.6	111
546	Competitive adsorption behaviour and mechanisms of cadmium, nickel and ammonium from aqueous solution by fresh and ageing rice straw biochars. <i>Bioresource Technology</i> , 2020, 303, 122853.	4.8	91

#	ARTICLE	IF	CITATIONS
547	Enhanced As(III) and As(V) Adsorption From Aqueous Solution by a Clay Based Hybrid Sorbent. <i>Frontiers in Chemistry</i> , 2019, 7, 913.	1.8	27
548	Marine alga <i>Bifurcaria bifurcata</i> biosorption of Reactive Blue 19 and methylene blue from aqueous solutions. <i>Environmental Science and Pollution Research</i> , 2020, 27, 33636-33648.	2.7	24
549	Solution combustion synthesis of calcium aluminate nanocomposite using coffee husk extract as green fuel and its application in adsorptive amputation of anionic dyes. <i>Materials Research Express</i> , 2020, 7, 035503.	0.8	8
550	Biochar for the removal of metals from solution: A review of lignocellulosic and novel marine feedstocks. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 103975.	3.3	56
551	Remarkable phosphate removal and recovery from wastewater by magnetically recyclable La <sub>2</sub> O <sub>2</sub> CO <sub>3</sub> /β-Fe <sub>2</sub> O <sub>3</sub> nanocomposites. <i>Journal of Hazardous Materials</i> , 2020, 397, 122597.	6.5	71
552	Acai pulp and seeds as emerging sources of phenolic compounds for enrichment of residual yeasts ( <i>Saccharomyces cerevisiae</i> ) through biosorption process. <i>LWT - Food Science and Technology</i> , 2020, 128, 109447.	2.5	23
553	Adsorption performance of U(VI) by amidoxime-based activated carbon. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2020, 324, 813-822.	0.7	25
554	Mesoporous carbon/cobalt ferrite nanocomposite: A charge and pH independent magnetic adsorbent for dye pollutant treatment. <i>Diamond and Related Materials</i> , 2020, 105, 107796.	1.8	20
555	Treatment of water containing methylene by biosorption using Brazilian berry seeds ( <i>Eugenia</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 422	2.7	38
556	Mechanistic insight into structural and adsorptive properties of core shell reversal nanocomposites of rice husk silica and magnesium ferrite. <i>Advanced Powder Technology</i> , 2020, 31, 2315-2326.	2.0	14
557	Comments on "High-efficiency removal of dyes from wastewater by fully recycling litchi peel biochar". <i>Chemosphere</i> , 2020, 257, 126444.	4.2	17
558	High-yield and high-performance porous biochar produced from pyrolysis of peanut shell with low-dose ammonium polyphosphate for chloramphenicol adsorption. <i>Journal of Cleaner Production</i> , 2020, 264, 121516.	4.6	70
559	Synthesis and characterization of Fe <sub>3</sub> O <sub>4</sub> @SiO <sub>2</sub> @MIL-100(Fe) nanocomposite: A nanocarrier for loading and release of celecoxib. <i>Journal of Molecular Liquids</i> , 2020, 307, 112996.	2.3	27
560	Synthesis, characterization and sorption studies of a zirconium( <sup>iv</sup> ) impregnated highly functionalized mesoporous activated carbons. <i>RSC Advances</i> , 2020, 10, 13783-13798.	1.7	73
561	Interactions of emerging contaminants with model colloidal microplastics, C <sub>60</sub> fullerene, and natural organic matter " effect of surface functional group and adsorbate properties. <i>Environmental Sciences: Processes and Impacts</i> , 2020, 22, 1190-1200.	1.7	12
562	Phosphate Sorption onto Structured Soil. <i>Soil Systems</i> , 2020, 4, 21.	1.0	2
563	Synthesis, and characterization of chitosan bearing pyranoquinolinone moiety for textile dye adsorption from wastewater. <i>Water Science and Technology</i> , 2020, 81, 421-435.	1.2	12
564	Iron manganese Oxide Modified Multi-walled Carbon Nanotube as Efficient Adsorbent for Removal of Organic Dyes: Performance, Kinetics and Mechanism Studies. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2020, 30, 4027-4042.	1.9	7

#	ARTICLE	IF	CITATIONS
565	Electrospun Bilayer PAN/Chitosan Nanofiber Membranes Incorporated with Metal Oxide Nanoparticles for Heavy Metal Ion Adsorption. <i>Coatings</i> , 2020, 10, 285.	1.2	35
566	Current scenario and challenges in adsorption for water treatment. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 103988.	3.3	273
567	Ciprofloxacin adsorption by biochar derived from co-pyrolysis of sewage sludge and bamboo waste. <i>Environmental Science and Pollution Research</i> , 2020, 27, 22806-22817.	2.7	66
568	Adsorption of Cibacron Yellow F-4G dye onto activated carbons obtained from peanut hull and rice husk: kinetics and equilibrium studies. <i>Biomass Conversion and Biorefinery</i> , 2022, 12, 323-339.	2.9	14
569	Activated hydrochar produced from brewer's spent grain and its application in the removal of acetaminophen. <i>Bioresource Technology</i> , 2020, 310, 123399.	4.8	50
570	Selective adsorption of organic pigments on inorganically modified mesoporous biochar and its mechanism based on molecular structure. <i>Journal of Colloid and Interface Science</i> , 2020, 573, 21-30.	5.0	50
571	Fast and efficient removal of Cr(VI) to ppb level together with Cr(III) sequestration in water using layered double hydroxide intercalated with diethyldithiocarbamate. <i>Science of the Total Environment</i> , 2020, 727, 138701.	3.9	32
572	Spatial Differences among Micropollutants in Sewer Overflows: A Multisite Analysis Using Passive Samplers. <i>Environmental Science &amp; Technology</i> , 2020, 54, 6584-6593.	4.6	19
573	Enhanced removal of organic pollutants from super heavy oil wastewater using specially modified lignite activated coke. <i>Environmental Science: Water Research and Technology</i> , 2020, 6, 1606-1614.	1.2	3
574	Biosorption of chemical species by <i>Sargassum</i> algal biomass: Equilibrium data, part I. , 2020, , 675-696.		3
575	Adsorption characteristics of Barmer bentonite for hazardous waste containment application. <i>Journal of Hazardous Materials</i> , 2020, 396, 122594.	6.5	48
576	Chitosan-Based Materials for the Removal of Nickel Ions from Aqueous Solutions. <i>Russian Journal of Physical Chemistry A</i> , 2020, 94, 748-755.	0.1	9
577	Influence of the Natural Zeolite Particle Size Toward the Ammonia Adsorption Activity in Ceramic Hollow Fiber Membrane. <i>Membranes</i> , 2020, 10, 63.	1.4	17
578	One-pot hydrothermal synthesis of NaLa(CO <sub>3</sub> ) <sub>2</sub> decorated magnetic biochar for efficient phosphate removal from water: Kinetics, isotherms, thermodynamics, mechanisms and reusability exploration. <i>Chemical Engineering Journal</i> , 2020, 394, 124915.	6.6	152
579	Comment on "Removal of Cr <sup>3+</sup> from tanning effluents by adsorption onto phosphate mine waste: Key parameters and mechanisms" <i>Journal of Hazardous Materials</i> , 2021, 401, 123358.	6.5	3
580	KOH-activated porous biochar with high specific surface area for adsorptive removal of chromium (VI) and naphthalene from water: Affecting factors, mechanisms and reusability exploration. <i>Journal of Hazardous Materials</i> , 2021, 401, 123292.	6.5	241
581	Removal of reactive red-198 dye using chitosan as an adsorbent: optimization by Central composite design coupled with response surface methodology. <i>Toxin Reviews</i> , 2021, 40, 225-237.	1.5	22
582	Removal of As(V) by iron-based nanoparticles synthesized via the complexation of biomolecules in green tea extracts and an iron salt. <i>Science of the Total Environment</i> , 2021, 764, 142883.	3.9	23

#	ARTICLE	IF	CITATIONS
583	Acid mine drainage treatment with novel high-capacity bio-based anion exchanger. <i>Chemosphere</i> , 2021, 264, 128443.	4.2	13
584	Role of surface functional groups of hydrogels in metal adsorption: From performance to mechanism. <i>Journal of Hazardous Materials</i> , 2021, 408, 124463.	6.5	63
585	Selective U(VI) removal using phosphorous-doped graphitic carbon. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 104690.	3.3	9
586	Application and limitations of a H <sub>2</sub> TiO <sub>3</sub> “Diatomaceous earth composite synthesized from titania slag as a selective lithium adsorbent. <i>Separation and Purification Technology</i> , 2021, 254, 117580.	3.9	29
587	Processable hypercrosslinked ionic networks for effective removal of methyl orange. <i>Separation and Purification Technology</i> , 2021, 258, 117986.	3.9	13
588	Green synthesis of hydrophilic activated carbon supported sulfide nZVI for enhanced Pb(II) scavenging from water: Characterization, kinetics, isotherms and mechanisms. <i>Journal of Hazardous Materials</i> , 2021, 403, 123607.	6.5	139
589	Removal of fluoroquinolone antibiotics using actinia-shaped lignin-based adsorbents: Role of the length and distribution of branched-chains. <i>Journal of Hazardous Materials</i> , 2021, 403, 123603.	6.5	25
590	A comparative study of acid-treated, base-treated, and Fenton-like reagent-treated biomass for Cr(VI) sequestration from aqueous solutions. <i>Water Environment Research</i> , 2021, 93, 370-383.	1.3	7
591	A review of adsorptive remediation of environmental pollutants from aqueous phase by ordered mesoporous carbon. <i>Chemical Engineering Journal</i> , 2021, 403, 126286.	6.6	93
592	Mesoporous composite Ni-C-N/SA for selective adsorption of methylene blue from water. <i>Chemical Engineering Journal</i> , 2021, 407, 127181.	6.6	37
593	Biochars as media for air pollution control systems: Contaminant removal, applications and future research directions. <i>Science of the Total Environment</i> , 2021, 753, 142249.	3.9	72
594	Effective removal of radioactive cobalt from aqueous solution by a layered metal sulfide adsorbent: Mechanism, adsorption performance, and practical application. <i>Separation and Purification Technology</i> , 2021, 256, 117775.	3.9	23
595	Recent advances in metal-organic frameworks for the removal of heavy metal oxoanions from water. <i>Chemical Engineering Journal</i> , 2021, 407, 127221.	6.6	101
596	Adsorption of ciprofloxacin from water: A comprehensive review. <i>Journal of Industrial and Engineering Chemistry</i> , 2021, 93, 57-77.	2.9	199
597	A calcined clay fixed bed adsorption studies for the removal of heavy metals from aqueous solutions. <i>Journal of Cleaner Production</i> , 2021, 278, 123935.	4.6	61
598	Simultaneous removal of organics and heavy metals from industrial wastewater: A review. <i>Chemosphere</i> , 2021, 262, 128379.	4.2	221
599	Enhanced arsenate removal by Fe-impregnated canola straw: assessment of XANES solid-phase speciation, impacts of solution properties, sorption mechanisms, and evolutionary polynomial regression (EPR) models. <i>Environmental Science and Pollution Research</i> , 2021, 28, 12659-12676.	2.7	17
600	Simultaneous aqueous Hg(II) adsorption and gaseous Hg <sub>0</sub> re-emission inhibition from SFGD wastewater by using Cu and S co-impregnated activated carbon. <i>Chemosphere</i> , 2021, 263, 127966.	4.2	14

#	ARTICLE	IF	CITATIONS
601	Equilibrium studies of yttrium adsorption from aqueous solutions by titanium dioxide. <i>Applied Radiation and Isotopes</i> , 2021, 168, 109473.	0.7	10
602	Enhancing the removal of organic and inorganic selenium ions using an exfoliated kaolinite/cellulose fibres nanocomposite. <i>Carbohydrate Polymers</i> , 2021, 252, 117163.	5.1	30
603	Fabrication of starch-based high-performance adsorptive hydrogels using a novel effective pretreatment and adsorption for cationic methylene blue dye: Behavior and mechanism. <i>Chemical Engineering Journal</i> , 2021, 405, 126953.	6.6	135
604	Simultaneous adsorption of acidic and basic dyes onto magnetized polypeptidylated-Hb composites. <i>Separation and Purification Technology</i> , 2021, 255, 117701.	3.9	35
605	Assessment of fish scale biosorbent in the treatment of seafood processing plant wastewater. <i>Journal of Chemical Technology and Biotechnology</i> , 2021, 96, 723-731.	1.6	5
606	Application of biogenic iron precipitation by strain H117 for tetracycline removal: mechanism of adsorption and activation. <i>Environmental Science and Pollution Research</i> , 2021, 28, 4815-4826.	2.7	4
607	Facile synthesis of halloysite-bentonite clay/magnesite nanocomposite and its application for the removal of chromium ions: Adsorption and precipitation process. <i>Materials Today: Proceedings</i> , 2021, 38, 1088-1101.	0.9	13
608	Combined dual-size foam glass media filtration process with micro-flocculation for simultaneous removal of particulate and dissolved contaminants in urban road runoff. <i>Journal of Environmental Management</i> , 2021, 277, 111475.	3.8	8
609	Insights into adsorption rate constants and rate laws of preset and arbitrary orders. <i>Separation and Purification Technology</i> , 2021, 255, 117713.	3.9	11
610	Graphene oxide functionalized with nano hydroxyapatite for the efficient removal of U(VI) from aqueous solution. <i>Environmental Pollution</i> , 2021, 268, 115786.	3.7	56
611	Selective adsorption of Pb <sup>2+</sup> and Cu <sup>2+</sup> on amino-modified attapulgite: Kinetic, thermal dynamic and DFT studies. <i>Journal of Hazardous Materials</i> , 2021, 404, 124140.	6.5	112
612	Recent advances on the adsorption of herbicides and pesticides from polluted waters: Performance evaluation via physical attributes. <i>Journal of Industrial and Engineering Chemistry</i> , 2021, 93, 117-137.	2.9	82
613	Selective recovery of silver and palladium from acidic waste solutions using dithiocarbamate-functionalized cellulose. <i>Chemical Engineering Journal</i> , 2021, 407, 127225.	6.6	36
614	Recycling of Tetra pak wastes via pyrolysis: Characterization of solid products and application of the resulting char in the adsorption of mercury from water. <i>Journal of Cleaner Production</i> , 2021, 291, 125219.	4.6	21
615	Application of non-linear regression analysis and statistical testing to equilibrium isotherms: Building an Excel template and interpretation. <i>Separation and Purification Technology</i> , 2021, 258, 118005.	3.9	13
616	Antimonate removal by diatomite modified with Fe-Mn oxides: application and mechanism study. <i>Environmental Science and Pollution Research</i> , 2021, 28, 13873-13885.	2.7	10
617	Nanoarchitected porous organic polymers and their environmental applications for removal of toxic metal ions. <i>Chemical Engineering Journal</i> , 2021, 408, 127991.	6.6	65
618	Biosorption performance and cell surface properties of a fungal-based sorbent in azo dye removal coupled with textile wastewater. <i>International Journal of Environmental Science and Technology</i> , 2021, 18, 2545-2558.	1.8	16



#	ARTICLE	IF	CITATIONS
619	Insight into carbohydrate polymers (chitosan and 2-hydroxyethyl methacrylate/methyl methacrylate) intercalated bentonite-based nanocomposites as multifunctional and environmental adsorbents for methyl parathion pesticide. <i>International Journal of Biological Macromolecules</i> , 2021, 167, 335-344.	3.6	31
620	Adsorption mechanism and effectiveness of phenol and tannic acid removal by biochar produced from oil palm frond using steam pyrolysis. <i>Environmental Pollution</i> , 2021, 269, 116197.	3.7	57
621	Composite nanofibers membranes produced by solution blow spinning modified with CO <sub>2</sub> -activated sugarcane bagasse fly ash for efficient removal of water pollutants. <i>Journal of Cleaner Production</i> , 2021, 285, 125376.	4.6	19
622	Comparison of microwave-assisted and thermal-heated synthesis of P(HEMA-co-AM)/PVA interpenetrating polymer network (IPN) hydrogels for Pb(II) removal from aqueous solution: Characterization, adsorption and kinetic study. <i>European Polymer Journal</i> , 2021, 143, 110193.	2.6	28
623	Reasonable calculation of the thermodynamic parameters from adsorption equilibrium constant. <i>Journal of Molecular Liquids</i> , 2021, 322, 114980.	2.3	58
624	Chitosan nanocomposites for water treatment by fixed-bed continuous flow column adsorption: A review. <i>Carbohydrate Polymers</i> , 2021, 255, 117398.	5.1	56
625	Adsorption process of naproxen onto peanut shell-derived biosorbent: important role of π-π interaction and van der Waals force. <i>Journal of Chemical Technology and Biotechnology</i> , 2021, 96, 869-880.	1.6	22
626	Adsorption of phosphate on iron-coated sand granules as a robust end-of-pipe purification strategy in the horticulture sector. <i>Chemosphere</i> , 2021, 267, 129276.	4.2	15
627	Evaluation of novel activated carbons from chichá-do-cerrado ( <i>Sterculia striata</i> St. Hil. et Naud) fruit shells on metformin adsorption and treatment of a synthetic mixture. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 104914.	3.3	23
628	Phosphate recovery from sewage sludge supernatants using magnetic nanoparticles. <i>Journal of Water Process Engineering</i> , 2021, 40, 101843.	2.6	5
629	Efficient removal of diclofenac from surface water by the functionalized multilayer magnetic adsorbent: Kinetics and mechanism. <i>Science of the Total Environment</i> , 2021, 760, 144307.	3.9	47
630	Removal of U(VI) from aqueous solution using AO-artificial zeolite. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2021, 327, 39-47.	0.7	3
631	Adsorption studies of benzophenone-3 onto clay minerals and organosilicates: Kinetics and modelling. <i>Applied Clay Science</i> , 2021, 202, 105937.	2.6	19
632	Magnetic amino-functionalized lanthanum metal-organic framework for selective phosphate removal from water. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 611, 125906.	2.3	35
633	Optimization of manganese recovery from groundwater treatment sludge for the production of highly-efficient Cu(II) and Pb(II) adsorbents. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 104705.	3.3	4
634	Removal of nickel from neutral mine drainage using peat-calcite, compost, and wood ash in column reactors. <i>Environmental Science and Pollution Research</i> , 2021, 28, 14854-14866.	2.7	2
635	Application of FeMgMn layered double hydroxides for phosphate anions adsorptive removal from water. <i>Applied Clay Science</i> , 2021, 200, 105903.	2.6	28
636	Unburned material from biomass combustion as low-cost adsorbent for amoxicillin removal from wastewater. <i>Journal of Cleaner Production</i> , 2021, 284, 124732.	4.6	20

#	ARTICLE	IF	CITATIONS
637	Preparation and characteristics of a magnetic carbon nanotube adsorbent: Its efficient adsorption and recoverable performances. Separation and Purification Technology, 2021, 257, 117917.	3.9	47
638	Enhanced phosphate scavenging with effective recovery by magnetic porous biochar supported La(OH) <sub>3</sub> : Kinetics, isotherms, mechanisms and applications for water and real wastewater. Bioresource Technology, 2021, 319, 124232.	4.8	104
639	Removal of malachite green dye from aqueous solution by adsorbents derived from polyurethane plastic waste. Journal of Environmental Chemical Engineering, 2021, 9, 104704.	3.3	29
640	Designing clay-polymer nanocomposite sorbents for water treatment: A review and meta-analysis of the past decade. Water Research, 2021, 188, 116571.	5.3	50
641	Self-assembled cylindrical Zr (IV), Fe (III) and Cu (II) impregnated polyvinyl alcohol-based hydrogel beads for real-time application in fluoride removal. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 610, 125751.	2.3	13
642	Lanthanum molybdate/magnetite for selective phosphate removal from wastewater: characterization, performance, and sorption mechanisms. Environmental Science and Pollution Research, 2021, 28, 4342-4351.	2.7	11
643	Lead adsorption on loess under high ammonium environment. Environmental Science and Pollution Research, 2021, 28, 4488-4502.	2.7	9
644	Reusable cysteine-ferrite-based magnetic nanopowders for removal of lead ions from water. Materials Research, 2021, 24, .	0.6	1
645	Magnetic solid-phase extraction of caffeine from surface water samples with a micro-meso porous activated carbon/Fe <sub>3</sub> O <sub>4</sub> nanocomposite prior to its determination by GC-MS. RSC Advances, 2021, 11, 19492-19499.	1.7	4
646	Efficient native biosorbent derived from agricultural waste precursor for anionic dye adsorption in synthetic wastewater. Biomass Conversion and Biorefinery, 2023, 13, 171-188.	2.9	13
647	Dense Polyacrylic Acid-Immobilized Polypropylene Non-woven Fabrics Prepared Via UV-Induced Photograft Technique for the Recovery of Rare Earth Ions from Aqueous Solution. Journal of Polymers and the Environment, 2021, 29, 2492-2503.	2.4	4
648	DABCO cadmium(II) tetrakis(4-methoxyphenyl)porphyrin complex Structure, photophysical properties, and adsorption removal of methylene blue dye. Inorganica Chimica Acta, 2021, 515, 120046.	1.2	15
649	Application of gum polysaccharide nanocomposites in the removal of industrial organic and inorganic pollutants. , 2021, , 503-528.		6
650	Fluidized Electrooxidation Process Using Three-Dimensional Electrode for Decolorization of Reactive Blue 221. Academic Platform Journal of Engineering and Science, 2021, 9, 53-58.	0.5	0
651	Hydroxyl modified hypercrosslinked polymers: targeting high efficient adsorption separation towards aniline. New Journal of Chemistry, 2021, 45, 11607-11617.	1.4	7
652	Recent advances in synthesis, characterization, and applications of nanoparticles for contaminated water treatment- A review. Ceramics International, 2021, 47, 1526-1550.	2.3	97
653	Energy-Saving and Sustainable Separation of Bioalcohols by Adsorption on Bone Char. Adsorption Science and Technology, 2021, 2021, 1-16.	1.5	7
654	Adsorption: Fundamental aspects and applications of adsorption for effluent treatment. , 2021, , 41-88.		48

#	ARTICLE	IF	CITATIONS
655	Review of Advances in Engineering Nanomaterial Adsorbents for Metal Removal and Recovery from Water: Synthesis and Microstructure Impacts. ACS ES&T Engineering, 2021, 1, 623-661.	3.7	61
656	The adsorption of phytate onto an Fe-Al-La trimetal composite adsorbent: kinetics, isotherms, mechanism and implication. Environmental Science: Water Research and Technology, 0, .	1.2	5
657	Preparation of mesoporous MnO <sub>2</sub> /SBA-15 and its cesium ion adsorption properties. Journal of Radioanalytical and Nuclear Chemistry, 2021, 327, 505-512.	0.7	4
658	Removal of sodium diclofenac from aqueous solutions by rice hull biochar. Biochar, 2021, 3, 189-200.	6.2	22
659	Removal of a Textile Azo-Dye (Basic Red 46) in Water by Efficient Adsorption on a Natural Clay. Water, Air, and Soil Pollution, 2021, 232, 1.	1.1	35
660	Ceramic hydroxyapatite foam as a new material for Bisphenol A removal from contaminated water. Environmental Science and Pollution Research, 2021, 28, 17739-17751.	2.7	10
661	A series of novel Co-based MOFs: syntheses, structural diversity, and various properties. CrystEngComm, 2021, 23, 6376-6387.	1.3	6
662	The adsorption removal of tannic acid by regenerated activated carbon from the spent catalyst of vinyl acetate synthesis. Journal of Materials Research and Technology, 2021, 10, 697-708.	2.6	9
663	Escherichia coli inhibition and arsenic removal from aqueous solutions using raw eggshell matrix. International Journal of Environmental Science and Technology, 2021, 18, 3205-3220.	1.8	4
664	The Adsorption Mechanism of Montmorillonite for Different Tetracycline Species at Different pH Conditions: the Novel Visual Analysis of Intermolecular Interactions. Water, Air, and Soil Pollution, 2021, 232, 1.	1.1	14
665	Adsorptive removal of congo red dye from aqueous solutions using Mo-doped CoFe <sub>2</sub> O <sub>4</sub> magnetic nanoparticles. Pigment and Resin Technology, 2021, 50, 563-573.	0.5	4
666	Modulation synthesis of UiO-66 and its outstanding adsorption properties towards low concentration methylene blue. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2021, 647, 731-741.	0.6	2
667	A polymer zeolite composite for mixed metal removal from aqueous solution. Water Science and Technology, 2021, 83, 1152-1166.	1.2	8
668	Adsorption of diclofenac sodium by composite beads prepared from tannery wastes-derived gelatin and carbon nanotubes. Journal of Environmental Chemical Engineering, 2021, 9, 105030.	3.3	65
669	Low-cost adsorbents for environmental pollution control: a concise systematic review from the prospective of principles, mechanism and their applications. Journal of Dispersion Science and Technology, 2022, 43, 1612-1633.	1.3	37
670	Biosorption of Heavy Metals from Water onto Phenolic Foams Based on Tannins and Lignin Alkaline Liquor. International Journal of Environmental Research, 2021, 15, 369-381.	1.1	12
671	Effect of pedogenic iron-oxyhydroxide removal on the metal sorption by soil clay minerals. Journal of Soils and Sediments, 2021, 21, 1785-1799.	1.5	9
672	Water softening using graphene oxide/biopolymer hybrid nanomaterials. Journal of Environmental Chemical Engineering, 2021, 9, 105045.	3.3	8

#	ARTICLE	IF	CITATIONS
673	Insisting upon Meaningful Results from Adsorption Experiments. Separation and Purification Reviews, 2022, 51, 212-225.	2.8	21
674	Polyethyleneimine-impregnated alkali treated waste bamboo powder for effective dye removal. Water Science and Technology, 2021, 83, 1183-1197.	1.2	10
675	Searching for optimum adsorption curve for metal sorption on soils: comparison of various isotherm models fitted by different error functions. SN Applied Sciences, 2021, 3, 1.	1.5	3
676	Sorption of Sulfamethoxazole on Inorganic Acid Solution-Etched Biochar Derived from Alfalfa. Materials, 2021, 14, 1033.	1.3	12
677	Equilibrium, Thermodynamic, Reuse, and Selectivity Studies for the Bioadsorption of Lanthanum onto Sericin/Alginate/Poly(vinyl alcohol) Particles. Polymers, 2021, 13, 623.	2.0	13
678	Influence of torrefaction and pyrolysis on engineered biochar and its applicability in defluoridation: Insight into adsorption mechanism, batch adsorber design and artificial neural network modelling. Journal of Analytical and Applied Pyrolysis, 2021, 154, 105015.	2.6	24
679	Optimize the preparation of Fe <sub>3</sub> O <sub>4</sub> -modified magnetic mesoporous biochar and its removal of methyl orange in wastewater. Environmental Monitoring and Assessment, 2021, 193, 179.	1.3	15
680	Kinetic Behavior and Mechanism of Arsenate Adsorption by Loam and Sandy Loam Soil. Soil and Sediment Contamination, 2022, 31, 15-39.	1.1	6
681	Polyethyleneimine Modified Magnetic Microcrystalline Cellulose for Effective Removal of Congo Red: Adsorption Properties and Mechanisms. Fibers and Polymers, 2021, 22, 1580-1593.	1.1	13
682	Avoiding pitfalls when modeling removal of perfluoroalkyl substances by anion exchange. AWWA Water Science, 2021, 3, e1222.	1.0	5
683	Investigation of water treatment sludge from drinking water treated with Zetafloc 5531 coagulant for phosphorus removal from wastewater. Journal of Environmental Management, 2021, 282, 111909.	3.8	16
684	Enhancing the adsorption function of biochar by mechanochemical graphitization for organic pollutant removal. Frontiers of Environmental Science and Engineering, 2021, 15, 1.	3.3	23
685	Linear and non-linear analysis of Ibuprofen riddance efficacy by Terminalia catappa active biochar: Equilibrium, kinetics, safe disposal, reusability and cost estimation. Chemical Engineering Research and Design, 2021, 147, 942-964.	2.7	31
686	Insight into chitosan/mesoporous silica nanocomposites as eco-friendly adsorbent for enhanced retention of U (VI) and Sr (II) from aqueous solutions and real water. International Journal of Biological Macromolecules, 2021, 173, 435-444.	3.6	23
687	Synthesis of Biogenic High-Magnesium Calcite and its Experimental Immobilization Effect on Cd <sup>2+</sup> . Geomicrobiology Journal, 2021, 38, 482-493.	1.0	3
688	Removal of chromate ions from leachate-contaminated groundwater samples of Khan Chandpur, India, using chitin modified iron-enriched hydroxyapatite nanocomposite. Environmental Science and Pollution Research, 2021, 28, 41760-41771.	2.7	7
690	A review of green remediation strategies for heavy metal contaminated soil. Soil Use and Management, 2021, 37, 936-963.	2.6	117
691	Synergistic Adsorbent Sequence for Dissolved Organic Nitrogen Fractional Removal from Biotreated Pharmaceutical Wastewater. ACS ES&T Water, 2021, 1, 991-1001.	2.3	1

#	ARTICLE	IF	CITATIONS
692	Alkaline modification of the acid residue of incinerated sewage sludge ash after phosphorus recovery for heavy metal removal from aqueous solutions. <i>Waste Management</i> , 2021, 123, 80-87.	3.7	9
693	Effective retention of inorganic Selenium ions (Se (VI) and Se (IV)) using novel sodalite structures from muscovite; characterization and mechanism. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2021, 120, 116-126.	2.7	44
694	A novel composite derived from carbonized hawthorn waste pulp/marble waste powder by ball milling: preparation, characterization, and usability as bifunctional adsorbent. <i>Biomass Conversion and Biorefinery</i> , 2023, 13, 3765-3784.	2.9	4
695	Synthesis of highly porous activated carbon derived from kernel oil treatment by-products of <i>Argania Spinosa</i> as a recyclable adsorbent for amoxicillin removal from real wastewater. <i>Biomass Conversion and Biorefinery</i> , 2023, 13, 2135-2149.	2.9	4
696	Oxidized eucalyptus charcoal: a renewable biosorbent for removing heavy metals from aqueous solutions. <i>Biomass Conversion and Biorefinery</i> , 2023, 13, 4105-4119.	2.9	9
697	Decolorization of triarylmethane dyes, malachite green, and crystal violet, by sewage sludge biochar: Isotherm, kinetics, and adsorption mechanism comparison. <i>Korean Journal of Chemical Engineering</i> , 2021, 38, 531-539.	1.2	15
698	Adsorption of methylene blue onto chitosan/montmorillonite/polyaniline nanocomposite. <i>Applied Clay Science</i> , 2021, 203, 105993.	2.6	135
699	Adsorption Isotherms, Thermodynamics, and Kinetic Modeling of Methylene Blue onto Novel Carbonaceous Adsorbent Derived from Bitter Orange Peels. <i>Water, Air, and Soil Pollution</i> , 2021, 232, 1.	1.1	21
700	Potentials of low-cost methods for the removal of antibiotic-resistant bacteria and their genes in low budget communities: A review. <i>Journal of Water Process Engineering</i> , 2021, 40, 101919.	2.6	18
701	Removal of cationic dye using polyvinyl alcohol membrane functionalized by D-glucose and agar. <i>Journal of Water Process Engineering</i> , 2021, 40, 101982.	2.6	20
702	Mechanistic study on methyl orange and congo red adsorption onto polyvinyl pyrrolidone modified magnesium oxide. <i>International Journal of Environmental Science and Technology</i> , 2022, 19, 2515-2528.	1.8	10
703	A New Alternative and Efficient Low-Cost Process for the Removal of Reactive Dyes in Textile Wastewater by Using Soybean Hull as Adsorbent. <i>Water, Air, and Soil Pollution</i> , 2021, 232, 1.	1.1	11
704	Synthesis of highly water-dispersible adsorbent derived from alkali-modified hyper-cross-linked polymer for efficient removal of various organic contaminants and ammonia. <i>Journal of Water Process Engineering</i> , 2021, 40, 101902.	2.6	10
705	Synthesis of hydrochars derived from industrial laundry sludge and its application in the removal of cationic dye. <i>Journal of Water Process Engineering</i> , 2021, 40, 101999.	2.6	8
706	Kinetics and thermodynamics of organo-sulfur-compound desorption from saturated neutral activated alumina. <i>Environmental Science and Pollution Research</i> , 2022, 29, 12473-12483.	2.7	4
707	Microscopic adsorption mechanism of montmorillonite for common ciprofloxacin emerging contaminant: Molecular dynamics simulation and Multiwfn wave function analysis. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 614, 126186.	2.3	27
708	Amidation modified waste polystyrene foam as an efficient recyclable adsorbent for organic dyes removal. <i>Water Science and Technology</i> , 2021, 83, 2192-2206.	1.2	8
709	Biosorption of aluminum ions from aqueous solutions using non-conventional low-cost materials: A review. <i>Journal of Water Process Engineering</i> , 2021, 40, 101925.	2.6	30

#	ARTICLE	IF	CITATIONS
710	Utilization of hydrochar derived from waste paper sludge through hydrothermal liquefaction for the remediation of phenol contaminated industrial wastewater. <i>Water Practice and Technology</i> , 0, , .	1.0	7
711	Adsorption of Methyl Orange from Aqueous Solution Using PVOH Composite Films Cross-Linked by Glutaraldehyde and Reinforced with Modified $\gamma$ -MnO <sub>2</sub> . <i>Langmuir</i> , 2021, 37, 5151-5160.	1.6	7
712	The adsorption performance and micro-mechanism of MoS <sub>2</sub> /montmorillonite composite to atenolol and acebutolol: Adsorption experiments and a novel visual study of interaction. <i>Ecotoxicology and Environmental Safety</i> , 2021, 213, 111993.	2.9	18
713	Removal efficiency of pharmaceutical drugs (Mebeverine hydrochloride MEB) by an activated carbon prepared from dates stems. <i>Journal of Environmental Health Science &amp; Engineering</i> , 2021, 19, 917-931.	1.4	1
714	Chemical Modification of Agro-Industrial Waste-Based Bioadsorbents for Enhanced Removal of Zn(II) Ions from Aqueous Solutions. <i>Materials</i> , 2021, 14, 2134.	1.3	29
715	Adsorption of copper(II) on chemically modified biochar: a single-stage batch adsorber design and predictive modeling through artificial neural network. <i>Biomass Conversion and Biorefinery</i> , 2024, 14, 6011-6026.	2.9	4
716	An updated review on boron removal from water through adsorption processes. <i>Emergent Materials</i> , 2021, 4, 1167-1186.	3.2	41
717	Removal of herbicide paraquat from aqueous solutions by bentonite modified with mesoporous silica. <i>Materials Chemistry and Physics</i> , 2021, 262, 124296.	2.0	31
718	Magnetic biochars have lower adsorption but higher separation effectiveness for Cd <sup>2+</sup> from aqueous solution compared to nonmagnetic biochars. <i>Environmental Pollution</i> , 2021, 275, 116485.	3.7	28
719	Synthesis of Chitosan/Diatomite Composite as an Advanced Delivery System for Ibuprofen Drug; Equilibrium Studies and the Release Profile. <i>ACS Omega</i> , 2021, 6, 13406-13416.	1.6	34
720	Insight into chitosan/zeolite-A nanocomposite as an advanced carrier for levofloxacin and its anti-inflammatory properties; loading, release, and anti-inflammatory studies. <i>International Journal of Biological Macromolecules</i> , 2021, 179, 206-216.	3.6	52
721	Efficient removal of methyl orange from aqueous solutions using ulexite. <i>Environmental Technology and Innovation</i> , 2021, 22, 101466.	3.0	8
722	Fabrication and characterization of photo-responsive metal-organic framework membrane for gas sensing using planar optical waveguide sensor. <i>Analytica Chimica Acta</i> , 2021, 1158, 338385.	2.6	11
723	Efficient removal of various coexisting organic pollutants in water based on $\beta$ -cyclodextrin polymer modified flower-like Fe <sub>3</sub> O <sub>4</sub> particles. <i>Journal of Colloid and Interface Science</i> , 2021, 589, 217-228.	5.0	46
724	Enhanced As(III) sequestration using nanoscale zero-valent iron modified by combination of loading and sulfidation: characterizations, performance, kinetics and mechanism. <i>Water Science and Technology</i> , 2021, 83, 2886-2900.	1.2	5
725	Adsorption of Nitrate and Ammonium from Water Simultaneously Using Composite Adsorbents Constructed with Functionalized Biochar and Modified Zeolite. <i>Water, Air, and Soil Pollution</i> , 2021, 232, 1.	1.1	12
726	Cationic and Anionic Dye Adsorption on a Natural Clayey Composite. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 5127.	1.3	8
727	Fabrication of Silver-Aminoterephthalic Acid Coordination Polymer-Coated Fe <sub>3</sub> O <sub>4</sub> for Effective Removal of Lead from Aqueous Media. <i>International Journal of Environmental Research</i> , 2021, 15, 631-644.	1.1	1



#	ARTICLE	IF	CITATIONS
728	Dye Adsorption Capacity of MoS <sub>2</sub> Nanoflakes Immobilized on Poly(lactic acid) Fibrous Membranes. ACS Applied Nano Materials, 2021, 4, 4881-4894.	2.4	12
729	Synthesis and characterization of polydopamine/hydrous zirconium oxide composite and its efficiency for the removal of uranium (VI) from water. Environmental Nanotechnology, Monitoring and Management, 2021, 15, 100458.	1.7	7
730	Magnesium-zinc ferrites as magnetic adsorbents for Cr(VI) and Ni(II) ions removal: Cation distribution and antistructure modeling. Chemosphere, 2021, 270, 129414.	4.2	54
731	Pigeon Pea Husk for Removal of Emerging Contaminants Trimethoprim and Atenolol from Water. Molecules, 2021, 26, 3158.	1.7	6
732	Caffeine removal from aqueous media by adsorption: An overview of adsorbents evolution and the kinetic, equilibrium and thermodynamic studies. Science of the Total Environment, 2021, 767, 144229.	3.9	71
733	Adsorption of Azo-Anionic Dyes in a Solution Using Modified Coconut (Cocos nucifera) Mesocarp: Kinetic and Equilibrium Study. Water (Switzerland), 2021, 13, 1382.	1.2	25
734	Removal of Persistent Organic Pollutants (POPs) from water and wastewater by adsorption and electrocoagulation process. Groundwater for Sustainable Development, 2021, 13, 100575.	2.3	80
735	Adsorption of two $\beta$ -blocker pollutants on modified montmorillonite with environment-friendly cationic surfactant containing amide group: Batch adsorption experiments and Multiwfn wave function analysis. Journal of Colloid and Interface Science, 2021, 590, 601-613.	5.0	25
736	Studies of the potential of a native natural biosorbent for the elimination of an anionic textile dye Cibacron Blue in aqueous solution. Scientific Reports, 2021, 11, 9705.	1.6	14
737	Adsorptive properties investigation of natural sand as adsorbent for methylene blue removal from contaminated water. Nanotechnology for Environmental Engineering, 2021, 6, 1.	2.0	19
738	Facile preparation of Fe <sub>2</sub> O <sub>3</sub> Al <sub>2</sub> O <sub>3</sub> composite with excellent adsorption properties towards Congo red. Ceramics International, 2021, 47, 13884-13894.	2.3	18
739	Synthesis of zeolite from volcanic ash: Characterization and application for cesium removal. Microporous and Mesoporous Materials, 2021, 319, 111045.	2.2	26
740	Adsorption of Safranin-O dye by copper oxide nanoparticles synthesized from <i>Punica granatum</i> leaf extract. Environmental Technology (United Kingdom), 2022, 43, 3047-3063.	1.2	38
741	Magnetic zeolitic imidazolate frameworks composite as an efficient adsorbent for arsenic removal from aqueous solution. Journal of Hazardous Materials, 2021, 412, 125298.	6.5	28
742	Hydrothermally treated aluminosilicate clay (HTAC) for remediation of fluoride and pathogens from water: Adsorbent characterization and adsorption modelling. Water Resources and Industry, 2021, 25, 100144.	1.9	19
743	Nonlinear Isotherm and Kinetic Modeling of Cu(II) and Pb(II) Uptake from Water by MnFe <sub>2</sub> O <sub>4</sub> /Chitosan Nanoadsorbents. Water (Switzerland), 2021, 13, 1662.	1.2	12
744	Insight into the Adsorption Properties of Chitosan/Zeolite-A Hybrid Structure for Effective Decontamination of Toxic Cd (II) and As (V) Ions from the Aqueous Environments. Journal of Polymers and the Environment, 2022, 30, 295-307.	2.4	12
745	Effect of Mg <sup>2+</sup> ions on competitive metal ions adsorption/desorption on magnesium ferrite: Mechanism, reusability and stability studies. Journal of Hazardous Materials, 2021, 411, 124902.	6.5	15

#	ARTICLE	IF	CITATIONS
746	Simultaneous removal of anti-inflammatory pharmaceutical compounds from an aqueous mixture with adsorption onto chitosan zwitterionic derivative. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 619, 126498.	2.3	21
747	Descriptive data on trichloroethylene and Congo red dye adsorption from wastewater using bio nanosponge phosphorylated-carbon nanotube/nanoparticles polyurethane composite. <i>Data in Brief</i> , 2021, 36, 106940.	0.5	2
748	Preparation of Chitosan/Calcium Alginate/Bentonite Composite Hydrogel and Its Heavy Metal Ions Adsorption Properties. <i>Polymers</i> , 2021, 13, 1891.	2.0	47
749	Adsorption properties and mechanism of montmorillonite modified by two Gemini surfactants with different chain lengths for three benzotriazole emerging contaminants: Experimental and theoretical study. <i>Applied Clay Science</i> , 2021, 207, 106086.	2.6	19
750	Removal of Pesticides from Waters by Adsorption: Comparison between Synthetic Zeolites and Mesoporous Silica Materials. A Review. <i>Materials</i> , 2021, 14, 3532.	1.3	23
751	Magnetite coated sand adsorbent for Cr(VI) removal from synthetic and pharmaceutical wastewater: adsorption isotherms and kinetics. <i>Arabian Journal of Geosciences</i> , 2021, 14, 1.	0.6	9
752	Adsorptive Removal of Manganese Ions from Polluted Aqueous Media by Glauconite Clay-Functionalized Chitosan Nanocomposites. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2021, 31, 4050-4064.	1.9	13
753	Novel recycling of incinerated sewage sludge ash (ISSA) and waste bentonite as ceramsite for Pb-containing wastewater treatment: Performance and mechanism. <i>Journal of Environmental Management</i> , 2021, 288, 112382.	3.8	31
754	Activated biochar derived from spent <i>Auricularia auricula</i> substrate for the efficient adsorption of cationic azo dyes from single and binary adsorptive systems. <i>Water Science and Technology</i> , 2021, 84, 101-121.	1.2	21
755	Environmentally friendly adsorbent derived from rock melon skin for effective removal of toxic brilliant green dye: linear versus non-linear analyses. <i>International Journal of Environmental Analytical Chemistry</i> , 2023, 103, 4904-4923.	1.8	12
756	Inorganic-based adsorbent materials for the removal of gaseous pollutants. <i>International Journal of Environmental Science and Technology</i> , 0, , 1.	1.8	0
757	Adsorption Studies on Magnetic Nanoparticles Functionalized with Silver to Remove Nitrates from Waters. <i>Water (Switzerland)</i> , 2021, 13, 1757.	1.2	12
758	Facile preparation of three-dimensional graphene oxide/ $\text{Iota}$ -carrageenan composite aerogel and its efficient ability for selective adsorption of methylene blue. <i>Journal of Materials Science</i> , 2021, 56, 14866-14879.	1.7	17
759	High specific area activated carbon derived from chitosan hydrogel coated tea saponin: One-step preparation and efficient removal of methylene blue. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105251.	3.3	25
760	Investigation of Adsorption Kinetics and the Isotherm Mechanism of Manganese by Modified Diatomite. <i>ACS Omega</i> , 2021, 6, 16402-16409.	1.6	13
761	Adsorption isotherm modeling for methylene blue removal onto magnetic kaolinite clay: a comparison of two-parameter isotherms. <i>Applied Water Science</i> , 2021, 11, 1.	2.8	57
762	Biochar composites: Emerging trends, field successes and sustainability implications. <i>Soil Use and Management</i> , 2022, 38, 14-38.	2.6	73
763	Comparison of Cd(II) adsorption properties onto cellulose, hemicellulose and lignin extracted from rice bran. <i>LWT - Food Science and Technology</i> , 2021, 144, 111230.	2.5	19

#	ARTICLE	IF	CITATIONS
764	Superparamagnetic nanoadsorbents for the removal of trace As(III) in drinking water. <i>Environmental Advances</i> , 2021, 4, 100046.	2.2	9
765	Facile Synthesis of Pd-Cu <sub>2</sub> O Octahedral with Enhanced Photocatalytic Activity and Its Application of Degradation of Direct Red 278 from Solutions. <i>Moscow University Chemistry Bulletin</i> , 2021, 76, 277-285.	0.2	0
766	Adsorption of Congo red and malachite green using H <sub>3</sub> PO <sub>4</sub> and NaCl-modified activated carbon from rubber ( <i>Hevea brasiliensis</i> ) seed shells. <i>Sustainable Water Resources Management</i> , 2021, 7, 1.	1.0	29
767	Effective removal of arsenate from wastewater using aluminium enriched ferric oxide-hydroxide recovered from authentic acid mine drainage. <i>Journal of Hazardous Materials</i> , 2021, 414, 125491.	6.5	45
768	Engineering of highly <i>Brachychiton populneus</i> shells@polyaniline bio-sorbent for efficient removal of pesticides from wastewater: Optimization using BBD-RSM approach. <i>Journal of Molecular Liquids</i> , 2022, 346, 117092.	2.3	24
769	Comments on "Reasonable calculation of the thermodynamic parameters from adsorption equilibrium constant, <i>Journal of Molecular Liquids</i> 322 (2021) 114980." <i>Journal of Molecular Liquids</i> , 2021, 334, 116542.	2.3	18
770	Sorption of micropollutants to hydroponic substrata: Effects of physico-chemical properties. <i>Environmental Advances</i> , 2021, 4, 100049.	2.2	9
771	Photocatalytic removal of parabens and halogenated products in wastewater: a review. <i>Environmental Chemistry Letters</i> , 2021, 19, 3789-3819.	8.3	25
772	Recovery and purification of rare earth elements from wastewater and sludge using a porous magnetic composite of $\beta$ -cyclodextrin and silica doped with PC88A. <i>Separation and Purification Technology</i> , 2021, 266, 118589.	3.9	24
773	Cu-bentonite as a low-cost adsorbent for removal of ethylenethiourea from aqueous solutions. <i>Journal of Molecular Liquids</i> , 2021, 333, 115912.	2.3	6
774	Comprehensive investigation of dynamic CO <sub>2</sub> capture performance using Mg/DOBDC as precursor to fabricate a composite of metallic organic framework and graphene oxide. <i>Chemical Engineering Journal</i> , 2021, 415, 128859.	6.6	16
775	Performance of oxalic acid-chitosan/alumina ceramic biocomposite for the adsorption of a reactive anionic azo dye. <i>Environmental Science and Pollution Research</i> , 2021, 28, 67032-67052.	2.7	14
776	Melamine degradation to bioregenerate granular activated carbon. <i>Journal of Hazardous Materials</i> , 2021, 414, 125503.	6.5	9
777	Adsorption of doxycycline from aqueous media: A review. <i>Journal of Molecular Liquids</i> , 2021, 334, 116124.	2.3	67
778	Experimental and Theoretical Insights on Methylene Blue Removal from Wastewater Using an Adsorbent Obtained from the Residues of the Orange Industry. <i>Molecules</i> , 2021, 26, 4555.	1.7	34
779	Effects of air-prepared atmosphere on the Pb <sup>2+</sup> adsorption of sludge-based adsorbent. <i>Biomass Conversion and Biorefinery</i> , 2023, 13, 5757-5769.	2.9	4
780	In-depth Insights into Mathematical Characteristics, Selection Criteria and Common Mistakes of Adsorption Kinetic Models: A Critical Review. <i>Separation and Purification Reviews</i> , 2022, 51, 281-299.	2.8	50
781	Pistachio ( <i>Pistacia vera</i> ) waste as adsorbent for wastewater treatment: a review. <i>Biomass Conversion and Biorefinery</i> , 2023, 13, 8793-8811.	2.9	24

#	ARTICLE	IF	CITATIONS
782	Adsorption of Iron (II) Ion by Using Magnetite-Bentonite-Based Monolith from Water. <i>Key Engineering Materials</i> , 0, 892, 10-16.	0.4	0
783	Removal of non-steroidal anti-inflammatory drugs (NSAIDs) from water with activated carbons synthesized from waste murumuru ( <i>Astrocaryum murumuru</i> Mart.): Characterization and adsorption studies. <i>Journal of Molecular Liquids</i> , 2021, 343, 116980.	2.3	20
784	Cross-linked FeCl <sub>3</sub> -activated seaweed carbon/MCM-41/alginate hydrogel composite for effective biosorption of bisphenol A plasticizer and basic dye from aqueous solution. <i>Bioresource Technology</i> , 2021, 331, 125046.	4.8	45
785	Adsorption model identification for chromium (VI) transport in unconsolidated sediments. <i>Journal of Hydrology</i> , 2021, 598, 126228.	2.3	25
786	Design of magnetic nanotechnological devices for the removal of fluoride from groundwater. <i>Cleaner Engineering and Technology</i> , 2021, 3, 100097.	2.1	5
787	Study on removal of organic dyes by Fe <sub>3</sub> O <sub>4</sub> /amidation modified waste polystyrene composites. <i>Environmental Technology and Innovation</i> , 2021, 23, 101732.	3.0	14
788	Functionalizing non-smectic clay via methoxy-modification for enhanced removal and recovery of oxytetracycline from aqueous media. <i>Chemosphere</i> , 2021, 276, 130079.	4.2	27
789	Palladium adsorption on natural polymeric sericin-alginate particles crosslinked by polyethylene glycol diglycidyl ether. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105617.	3.3	20
790	Polypyrrole functionalized Cobalt oxide Graphene (COPYGO) nanocomposite for the efficient removal of dyes and heavy metal pollutants from aqueous effluents. <i>Journal of Hazardous Materials</i> , 2021, 416, 125929.	6.5	56
791	Enhanced decontamination of pefloxacin and chlorpyrifos as organic pollutants using chitosan/diatomite composite as a multifunctional adsorbent; equilibrium studies. <i>Journal of Sol-Gel Science and Technology</i> , 2021, 99, 650-662.	1.1	3
792	Aluminum extraction from a metallurgical industry sludge and its application as adsorbent. <i>Journal of Cleaner Production</i> , 2021, 310, 127374.	4.6	11
793	Effect of cations on the enhanced adsorption of cationic dye in Fe <sub>3</sub> O <sub>4</sub> -loaded biochar and mechanism. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105744.	3.3	46
794	Experimentally and theoretically approaches for Congo red dye adsorption on novel kaolinite-alga nano-composite. <i>International Journal of Environmental Analytical Chemistry</i> , 2023, 103, 7229-7251.	1.8	8
795	The Dependency of Kinetic Parameters as a Function of Initial Solute Concentration: New Insight from Adsorption of Dye and Heavy Metals onto Humic-Like Modified Adsorbents. <i>Bulletin of Chemical Reaction Engineering and Catalysis</i> , 2021, 16, 773-795.	0.5	1
796	Adsorbents for real-scale water remediation: Gaps and the road forward. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105380.	3.3	21
797	Hexavalent chromium adsorption onto crosslinked chitosan and chitosan/β <sup>2</sup> -cyclodextrin beads: Novel materials for water decontamination. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105581.	3.3	56
798	Removing low levels of Cd(II) and Pb(II) by adsorption on two types of oxidized multiwalled carbon nanotubes. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105402.	3.3	36
799	High capacity Pb(II) adsorption characteristics onto raw- and chemically activated waste activated sludge. <i>Journal of Hazardous Materials</i> , 2021, 416, 125943.	6.5	31

#	ARTICLE	IF	CITATIONS
800	Production of activated biochar from <i>Luffa cylindrica</i> and its application for adsorption of 4-Nitrophenol. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105403.	3.3	28
801	Fast and effective arsenic removal from aqueous solutions by a novel low-cost eggshell byproduct. <i>Science of the Total Environment</i> , 2021, 783, 147022.	3.9	10
802	Eco-friendly Chitosan Condensation Adduct Resins for Removal of Toxic Silver Ions from Aqueous Medium. <i>Journal of Industrial and Engineering Chemistry</i> , 2021, 100, 410-421.	2.9	20
803	Fabrication of three-dimensional ordered macroporous/mesoporous magnesium oxide for efficient cadmium removal. <i>Ceramics International</i> , 2021, 47, 22830-22838.	2.3	12
804	Understanding Layered Double Hydroxide properties as sorbent materials for removing organic pollutants from environmental waters. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105197.	3.3	57
805	Changes in adsorption mechanisms of radioactive barium, cobalt, and strontium ions using spent coffee waste biochars via alkaline chemical activation: Enrichment effects of O-containing functional groups. <i>Environmental Research</i> , 2021, 199, 111346.	3.7	24
806	Uranium re-adsorption on uranium mill tailings and environmental implications. <i>Journal of Hazardous Materials</i> , 2021, 416, 126153.	6.5	51
807	Sustainable adsorption method for the remediation of malachite green dye using nutraceutical industrial fenugreek seed spent. <i>Biomass Conversion and Biorefinery</i> , 2023, 13, 9119-9130.	2.9	16
808	Preparation of a novel non-burning polyaluminum chloride residue(PACR) compound filler and its phosphate removal mechanisms. <i>Environmental Science and Pollution Research</i> , 2022, 29, 1532-1545.	2.7	4
809	Pilot-scale field study for vanadium removal from mining-influenced waters using an iron-based sorbent. <i>Journal of Hazardous Materials</i> , 2021, 416, 125961.	6.5	15
810	Highly efficient and fast batch adsorption of orange G dye from polluted water using superb organo-montmorillonite: Experimental study and molecular dynamics investigation. <i>Journal of Molecular Liquids</i> , 2021, 335, 116560.	2.3	58
811	Facile synthesis and applications of carbon nanotubes in heavy-metal remediation and biomedical fields: A comprehensive review. <i>Journal of Molecular Structure</i> , 2021, 1238, 130462.	1.8	72
812	Mechanisms by which different polar fractions of dissolved organic matter affect sorption of the herbicide MCPA in ferralsol. <i>Journal of Hazardous Materials</i> , 2021, 416, 125774.	6.5	16
813	Optimizing Double Imprinted Polymeric Membrane (DIPM) for the simultaneous selective extraction of quercetin and caffeic acid. <i>Separation Science and Technology</i> , 0, , 1-15.	1.3	2
814	Preparation and characterisation of a novel eco-friendly Bentonite/LDH material for removal of copper ions from solution. <i>International Journal of Environmental Analytical Chemistry</i> , 0, , 1-20.	1.8	1
815	Iron-Zinc Impregnated Biochar Composite as a Promising Adsorbent for Toxic Hexavalent Chromium Remediation: Kinetics, Isotherms and Thermodynamics. <i>Chemistry Africa</i> , 2022, 5, 1797-1807.	1.2	7
816	The difference in the adsorption mechanisms of magnetic ferrites modified carbon nanotubes. <i>Journal of Hazardous Materials</i> , 2021, 415, 125551.	6.5	36
817	Environmentally friendly fabrication of new $\beta$ -Cyclodextrin/ZrO <sub>2</sub> nanocomposite for simultaneous removal of Pb(II) and BPA from water. <i>Science of the Total Environment</i> , 2021, 784, 147207.	3.9	57

#	ARTICLE	IF	CITATIONS
818	Fabrication of novel carboxyl and amidoxime groups modified luffa fiber for highly efficient removal of uranium(VI) from uranium mine water. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105681.	3.3	32
819	Competitive kinetics of adsorption onto activated carbon for emerging contaminants with contrasting physicochemical properties. <i>Environmental Science and Pollution Research</i> , 2022, 29, 42185-42200.	2.7	9
820	A Critical Overview of Adsorption Models Linearization: Methodological and Statistical Inconsistencies. <i>Separation and Purification Reviews</i> , 2022, 51, 358-372.	2.8	48
821	β-cyclodextrin and magnetic graphene oxide modified porous composite hydrogel as a superabsorbent for adsorption cationic dyes: Adsorption performance, adsorption mechanism and hydrogel column process investigates. <i>Journal of Molecular Liquids</i> , 2021, 335, 116291.	2.3	64
822	Performance evaluation of crop residue and kitchen waste-derived biochar for eco-efficient removal of arsenic from soils of the Indo-Gangetic plain: A step towards sustainable pollution management. <i>Environmental Research</i> , 2021, 200, 111758.	3.7	39
823	High thiabendazole fungicide uptake using <i>Cellana tramoserica</i> shells modified by copper: characterization, adsorption mechanism, and optimization using CCD-RSM approach. <i>Environmental Science and Pollution Research</i> , 2022, 29, 86020-86035.	2.7	10
824	Magnetic Carbon Nanofibers as Potent Adsorbents for Phosphate Removal and Regeneration. <i>Environmental Engineering Science</i> , 2022, 39, 223-234.	0.8	3
825	Snail Shells Adsorbent for Copper Removal from Aqueous Solutions and the Production of Valuable Compounds. <i>Journal of Chemistry</i> , 2021, 2021, 1-15.	0.9	6
826	Proof of concept for CUK family metal-organic frameworks as environmentally-friendly adsorbents for benzene vapor. <i>Environmental Pollution</i> , 2021, 285, 117491.	3.7	14
827	Process optimization for the synthesis of ceramsites in terms of mechanical strength and phosphate adsorption capacity. <i>Chemosphere</i> , 2021, 278, 130239.	4.2	4
828	Enhanced adsorption of congo red from aqueous solution using chitosan/hematite nanocomposite hydrogel capsule fabricated via anionic surfactant gelation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 625, 126911.	2.3	31
829	Solid solution approach to the design of copper mixed-triazolate multivariate-MOFs for the efficient adsorption of triclosan. <i>Microporous and Mesoporous Materials</i> , 2021, 324, 111297.	2.2	7
830	A remediation approach to chromium-contaminated water and soil using engineered biochar derived from peanut shell. <i>Environmental Research</i> , 2022, 204, 112125.	3.7	57
831	rGO/CNQDs/ZIF-67 composite aerogel for efficient extraction of uranium in wastewater. <i>Chemical Engineering Journal</i> , 2021, 419, 129622.	6.6	45
832	Enhancing adsorption efficiencies of organic molecules through covalently bonded structures of magnetic carbon nanoparticles. <i>Journal of Industrial and Engineering Chemistry</i> , 2022, 105, 74-82.	2.9	4
833	Mechanistic insights into the adsorption of methylene blue by particulate durian peel waste in water. <i>Water Science and Technology</i> , 2021, 84, 1774-1792.	1.2	10
834	Fe-TiO <sub>2</sub> /AC and Co-TiO <sub>2</sub> /AC Composites: Novel Photocatalysts Prepared from Waste Streams for the Efficient Removal and Photocatalytic Degradation of Cibacron Yellow F-4G Dye. <i>Catalysts</i> , 2021, 11, 1137.	1.6	5
835	Fast microwave-assisted synthesis of magnetic molecularly imprinted polymer for sulfamethoxazole. <i>Talanta</i> , 2021, 232, 122430.	2.9	28



#	ARTICLE	IF	CITATIONS
836	Vanadium removal by cationized sawdust produced through iodomethane quaternization of triethanolamine grafted raw material. <i>Chemosphere</i> , 2021, 278, 130445.	4.2	16
837	Removal of hexavalent chromium (Cr(VI)) from aqueous solution using acid-modified poultry litter-derived hydrochar: adsorption, regeneration and reuse. <i>Journal of Chemical Technology and Biotechnology</i> , 2022, 97, 55-66.	1.6	24
838	Recent advances in the polyurethane-based adsorbents for the decontamination of hazardous wastewater pollutants. <i>Journal of Hazardous Materials</i> , 2021, 417, 125960.	6.5	60
839	Comparative evaluation of dithiocarbamate-modified cellulose and commercial resins for recovery of precious metals from aqueous matrices. <i>Journal of Hazardous Materials</i> , 2021, 418, 126308.	6.5	21
840	Zeolitic Imidazolate Frameworks (ZIFs) for aqueous phase adsorption – A review. <i>Journal of Industrial and Engineering Chemistry</i> , 2022, 105, 34-48.	2.9	60
841	Synthesis of hydrochar supported zero-valent iron composites through hydrothermal carbonization of granatum and zero-valent iron: potential applications for Pb <sup>2+</sup> removal. <i>Water Science and Technology</i> , 2021, 84, 1873-1884.	1.2	4
842	Polyelectrolytes applied to remove methylene blue and methyl orange dyes from water via polymer-enhanced ultrafiltration. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106297.	3.3	35
843	Adsorption and electrochemical regeneration of intercalated Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> MXene for the removal of ciprofloxacin from wastewater. <i>Chemical Engineering Journal</i> , 2021, 421, 127780.	6.6	59
844	A novel arsenic immobilization strategy via a two-step process: Arsenic concentration from dilute solution using schwertmannite and immobilization in Ca-Fe-AsO <sub>4</sub> compounds. <i>Journal of Environmental Management</i> , 2021, 295, 113052.	3.8	19
845	Iron oxide loaded biochar/attapulgitite composites derived camellia oleifera shells as a novel bio-adsorbent for highly efficient removal of Cr(VI). <i>Journal of Cleaner Production</i> , 2021, 317, 128412.	4.6	43
846	Defects induced by Al substitution enhance As(V) adsorption on ferrihydrites. <i>Journal of Hazardous Materials</i> , 2021, 420, 126544.	6.5	27
847	Effective retention of radioactive Cs <sup>+</sup> and Ba <sup>2+</sup> ions using $\beta$ -cyclodextrin functionalized diatomite ( $\beta$ -CD/D) as environmental adsorbent; characterization, application, and safety. <i>Surfaces and Interfaces</i> , 2021, 26, 101434.	1.5	15
848	Occurrence, fate, and sorption behavior of contaminants of emerging concern to microplastics: Influence of the weathering/aging process. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106290.	3.3	58
849	Highly efficient removal of Cu(II) using mesoporous sodalite zeolite produced from industrial waste lithium-silicon-fume via reactive oxidation species route. <i>Journal of Cleaner Production</i> , 2021, 319, 128682.	4.6	12
850	Highly efficient uranium (VI) capture from aqueous solution by means of a hydroxyapatite-biochar nanocomposite: Adsorption behavior and mechanism. <i>Environmental Research</i> , 2021, 201, 111518.	3.7	70
851	Locust bean gum adsorption onto softwood kraft pulp fibres: isotherms, kinetics and paper strength. <i>Cellulose</i> , 2021, 28, 10183-10201.	2.4	0
852	Effects of hydroxyl group content on adsorption and desorption of anthracene and anthrol by polyvinyl chloride microplastics. <i>Science of the Total Environment</i> , 2021, 790, 148077.	3.9	29
853	Adsorption characteristics and mechanism for K <sub>2</sub> Ti <sub>4</sub> O <sub>9</sub> whiskers removal of Pb(II), Cd(II), and Cu(II) cations in wastewater. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106236.	3.3	19

#	ARTICLE	IF	CITATIONS
854	Synthesis of 3,5-diaminobenzoic acid containing crosslinked porous polyamine resin as a new adsorbent for efficient removal of cationic and anionic dyes from aqueous solutions. <i>Journal of Water Process Engineering</i> , 2021, 43, 102304.	2.6	22
855	Simultaneous sorption behaviors of UV filters on the virgin and aged micro-high-density polyethylene under environmental conditions. <i>Science of the Total Environment</i> , 2021, 789, 147979.	3.9	19
856	The Mass Transfer Index (MTI): A semi-empirical approach for quantifying transport of solutes in variably saturated porous media. <i>Journal of Contaminant Hydrology</i> , 2021, 242, 103842.	1.6	6
857	Separation and adsorption of V(V) from cadmium-containing solution by TOMAC-impregnated resins. <i>Chemical Engineering Research and Design</i> , 2021, 174, 405-413.	2.7	10
858	Comparative removal of malachite green dye from aqueous solution using deep eutectic solvents modified magnetic chitosan nanoparticles and modified protonated chitosan beads. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106281.	3.3	29
859	Application of a novel low-cost adsorbent functioned with iron oxide nanoparticles for the removal of triclosan present in contaminated water. <i>Microporous and Mesoporous Materials</i> , 2021, 325, 111328.	2.2	27
860	A new multi-mechanism adsorption kinetic model and its relation to mass transfer coefficients. <i>Surfaces and Interfaces</i> , 2021, 26, 101422.	1.5	2
861	Application of layered double hydroxide enriched with electron rich sulfide moieties (S <sub>2</sub> O <sub>4</sub> <sup>2-</sup> ) for efficient and selective removal of vanadium (V) from diverse aqueous medium. <i>Science of the Total Environment</i> , 2021, 792, 148543.	3.9	10
862	Ammonia-assisted hydrothermal carbon material with schiff base structures synthesized from factory waste hemicelluloses for Cr(VI) adsorption. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106187.	3.3	15
863	Modification of insoluble dietary fiber from rice bran with dynamic high pressure microfluidization: Cd(II) adsorption capacity and behavior. <i>Innovative Food Science and Emerging Technologies</i> , 2021, 73, 102765.	2.7	18
864	The removal of benzothiazole by combined inorgano-organo-montmorillonite modified with hydroxyl iron pillar and cationic panthenol intercalation: Experimental study and Multiwfn wavefunction analysis. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 626, 127025.	2.3	8
865	High-efficient, broad-spectrum and recyclable mesoporous TiO <sub>2</sub> adsorbent for water treatment. <i>Microporous and Mesoporous Materials</i> , 2021, 325, 111345.	2.2	4
866	Iron(III) removal from acidic solutions using mesoporous titania microspheres prepared by vibrational droplet coagulation. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106257.	3.3	2
867	Ciprofloxacin and acetaminophen sorption onto banana peel biochars: Environmental and process parameter influences. <i>Environmental Research</i> , 2021, 201, 111218.	3.7	72
868	Recovering phosphorus from aqueous solutions using water hyacinth ( <i>Eichhornia crassipes</i> ) toward sustainability through its transformation to apatite. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106225.	3.3	13
869	Verification of pore size effect on aqueous-phase adsorption kinetics: A case study of methylene blue. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 626, 127119.	2.3	75
870	Sunflower-biomass derived adsorbents for toxic/heavy metals removal from (waste) water. <i>Journal of Molecular Liquids</i> , 2021, 342, 117540.	2.3	36
871	Fast fabrication and gas-sensing characteristics of petal-like Co-MOF membrane optical waveguide. <i>Sensors and Actuators B: Chemical</i> , 2021, 346, 130342.	4.0	7

#	ARTICLE	IF	CITATIONS
872	Improving the removal efficiency of methylene blue on 3D-printed camellia seed powder scaffold using porogen. <i>Industrial Crops and Products</i> , 2021, 171, 113930.	2.5	4
873	Adsorption of polar and ionic organic compounds on activated carbon: Surface chemistry matters. <i>Science of the Total Environment</i> , 2021, 794, 148508.	3.9	15
874	Facile transformation of carboxymethyl cellulose beads into hollow composites for dye adsorption. <i>International Journal of Biological Macromolecules</i> , 2021, 190, 919-926.	3.6	22
875	Effects of simulated diagenesis and mineral amendment on the structure, stability and imidacloprid sorption properties of biochars produced at varied temperatures. <i>Chemosphere</i> , 2021, 282, 131003.	4.2	5
876	Adsorption of Estradiol from aqueous solution by hydrothermally carbonized and steam activated palm kernel shells. <i>Energy Nexus</i> , 2021, 1, 100009.	3.3	12
877	Effectiveness and mechanism of aluminum/iron co-modified calcite capping and amendment for controlling phosphorus release from sediments. <i>Journal of Environmental Management</i> , 2021, 298, 113471.	3.8	14
878	Biochar from the co-pyrolysis of <i>Saccharina japonica</i> and goethite as an adsorbent for basic blue 41 removal from aqueous solution. <i>Science of the Total Environment</i> , 2021, 797, 149160.	3.9	19
879	Effective removal of different species of organophosphorus pesticides (acephate, omthosate, and Tj ETQq1 1 0.784314 rgBT /Overlook and Innovation, 2021, 24, 101875.	3.0	20
880	Effect of light irradiation on heavy metal adsorption onto microplastics. <i>Chemosphere</i> , 2021, 285, 131457.	4.2	27
881	Carbon derived nanomaterials for the sorption of heavy metals from aqueous solution: A review. <i>Environmental Nanotechnology, Monitoring and Management</i> , 2021, 16, 100578.	1.7	17
882	Preparation of 3D flower-like double oxide hydrotalcite composite using pollen as a biotemplate and their effective adsorption for quinolone antibiotics. <i>Microchemical Journal</i> , 2021, 171, 106796.	2.3	5
883	Magnetite/hydrated cerium(III) carbonate for efficient phosphate elimination from aqueous solutions and the mechanistic investigation. <i>Chemical Engineering Journal</i> , 2021, 425, 128894.	6.6	24
884	In-situ detoxification strategies to boost bioalcohol production from lignocellulosic biomass. <i>Renewable Energy</i> , 2021, 180, 914-936.	4.3	18
885	Selective and enhanced nickel adsorption from sulfate- and calcium-rich solutions using chitosan. <i>Separation and Purification Technology</i> , 2021, 276, 119283.	3.9	22
886	The competing role of moisture in adsorption of gaseous benzene on microporous carbon. <i>Separation and Purification Technology</i> , 2021, 277, 119487.	3.9	18
887	Adsorption and mechanistic study for humic acid removal by magnetic biochar derived from forestry wastes functionalized with Mg/Al-LDH. <i>Separation and Purification Technology</i> , 2021, 276, 119296.	3.9	37
888	Synthesis of hydrous CeO <sub>2</sub> polypyrrole nanocomposite as a rapid and efficient adsorbent for defluoridation of drinking water. <i>Environmental Nanotechnology, Monitoring and Management</i> , 2021, 16, 100462.	1.7	2
889	Rapid and selective harvest of low-concentration phosphate by La(OH) <sub>3</sub> loaded magnetic cationic hydrogel from aqueous solution: Surface migration of phosphate from $\text{N}^+(\text{CH}_3)_3$ to La(OH) <sub>3</sub> . <i>Science of the Total Environment</i> , 2021, 800, 149418.	3.9	15

#	ARTICLE	IF	CITATIONS
890	Preparation and application of Fe-modified banana peel in the adsorption of methylene blue: Process optimization using response surface methodology. <i>Environmental Nanotechnology, Monitoring and Management</i> , 2021, 16, 100517.	1.7	17
891	Designing smart triple-network cationic cryogels with outstanding efficiency and selectivity for deep cleaning of phosphate. <i>Chemical Engineering Journal</i> , 2021, 426, 131411.	6.6	26
892	Implementation of magnetic bentonite in food industry wastewater treatment for reuse in agricultural irrigation. <i>Water Resources and Industry</i> , 2021, 26, 100154.	1.9	16
894	Chitin-biocalcium as a novel superior composite for ciprofloxacin removal: Synergism of adsorption and flocculation. <i>Journal of Hazardous Materials</i> , 2022, 423, 126917.	6.5	27
895	A novel self-floating silica adsorbent for antibiotic ciprofloxacin and nickel (II) ion. <i>Chemical Engineering Journal</i> , 2022, 429, 132227.	6.6	25
896	Biodegradation of 4-chlorophenol in batch and continuous packed bed reactor by isolated <i>Bacillus subtilis</i> . <i>Journal of Environmental Management</i> , 2022, 301, 113851.	3.8	28
897	Environmental aspects of planarization processes. , 2022, , 257-320.		1
898	Green remediation of benzene contaminated groundwater using persulfate activated by biochar composite loaded with iron sulfide minerals. <i>Chemical Engineering Journal</i> , 2022, 429, 132292.	6.6	39
899	Thiol-functionalized montmorillonite prepared by one-step mechanochemical grafting and its adsorption performance for mercury and methylmercury. <i>Science of the Total Environment</i> , 2022, 806, 150510.	3.9	13
900	Bifunctional two-dimensional copper-aluminum modified filter paper composite for efficient tetracycline removal: Synergy of adsorption and reusability by degradation. <i>Chemosphere</i> , 2022, 287, 132031.	4.2	16
901	Removal of Cyanide from Aqueous Solutions by Biosorption onto Sorghum Stems: Kinetic, Equilibrium, and Thermodynamic Studies. <i>Journal of Hazardous, Toxic, and Radioactive Waste</i> , 2022, 26, .	1.2	0
902	Contrasting effect of lanthanum hydroxide and lanthanum carbonate treatments on phosphorus mobilization in sediment. <i>Chemical Engineering Journal</i> , 2022, 427, 132021.	6.6	38
903	Efficiency and mechanism for the control of phosphorus release from sediment by the combined use of hydrous ferric oxide, calcite and zeolite as a geo-engineering tool. <i>Chemical Engineering Journal</i> , 2022, 428, 131360.	6.6	15
904	Modified zeolite as a sorbent for removal of contaminants from wet flue gas desulphurization wastewater. <i>Chemosphere</i> , 2022, 286, 131772.	4.2	9
905	Ionic covalent organic frameworks for Non-Steroidal Anti-Inflammatory drugs (NSAIDs) removal from aqueous Solution: Adsorption performance and mechanism. <i>Separation and Purification Technology</i> , 2021, 278, 119238.	3.9	19
906	Single evaluation and selection of functional groups containing N or O atoms to heavy metal adsorption: Law of electric neutrality.. <i>Chemosphere</i> , 2022, 287, 132207.	4.2	12
907	Synthesis of thickness-controllable polydopamine modified halloysite nanotubes (HNTs@PDA) for uranium (VI) removal. <i>Journal of Hazardous Materials</i> , 2022, 424, 127208.	6.5	33
908	Amidoxime modified polymers of intrinsic microporosity/alginate composite hydrogel beads for efficient adsorption of cationic dyes from aqueous solution. <i>Journal of Colloid and Interface Science</i> , 2022, 607, 890-899.	5.0	54

#	ARTICLE	IF	CITATIONS
909	Long-term immobilization of soil metalloids under simulated aging: Experimental and modeling approach. <i>Science of the Total Environment</i> , 2022, 806, 150501.	3.9	8
910	3D porous Ca-modified Mg-Zr mixed metal oxide for fluoride adsorption. <i>Chemical Engineering Journal</i> , 2022, 428, 131371.	6.6	52
911	Mechanistic insights of hexavalent chromium remediation by halloysite-supported copper nanoclusters. <i>Journal of Hazardous Materials</i> , 2022, 421, 126812.	6.5	17
912	Key particle properties of shells for cadmium chemisorption. <i>Chemosphere</i> , 2022, 287, 132257.	4.2	7
913	One-step fabrication of dual functional Tb <sup>3+</sup> coordinated polymeric micro/nano-structures for Cr(VI) adsorption and detection. <i>Journal of Hazardous Materials</i> , 2022, 423, 127166.	6.5	44
914	Effect of Ca <sup>2+</sup> ions on naphthalene adsorption/desorption onto calcium oxide nanoparticle: Adsorption isotherm, kinetics and regeneration studies. <i>Environmental Research</i> , 2022, 204, 112070.	3.7	19
915	The Utilization of Biomaterials for Water Purification: Dyes, Heavy Metals, and Pharmaceuticals. <i>Sustainable Textiles</i> , 2021, , 27-58.	0.4	7
916	Hierarchical nano-porous biochar prepared by a MgO template method for high performance of PNP adsorption. <i>New Journal of Chemistry</i> , 2021, 45, 7332-7343.	1.4	8
917	Enhanced Arsenic Removal from Aqueous Solution by Fe/Mn-C Layered Double Hydroxide Composite. <i>Adsorption Science and Technology</i> , 2021, 2021, 1-12.	1.5	10
918	Efficient removal of Pb <sup>2+</sup> and Cd <sup>2+</sup> using a Cu(I)-Br coordination polymer constructed with an amino-rich ligand. <i>CrystEngComm</i> , 2021, 23, 1489-1496.	1.3	3
919	Batch and fixed-bed adsorption behavior of porous boehmite with high percentage of exposed (020) facets and surface area towards Congo red. <i>Inorganic Chemistry Frontiers</i> , 2021, 8, 735-745.	3.0	4
920	Preparation of TiO <sub>2</sub> /porous glass-H with the coupling of photocatalysis oxidation-adsorption system in the initial position and its desulfurization performance on model fuel. <i>RSC Advances</i> , 2021, 11, 28508-28520.	1.7	4
921	Activated Porous Carbon Derived from Tea and Plane Tree Leaves Biomass for the Removal of Pharmaceutical Compounds from Wastewaters. <i>Antibiotics</i> , 2021, 10, 65.	1.5	21
922	Sustainable removal of anodized aluminum dye by groundwater treatment waste: experimental and modeling. <i>Heliyon</i> , 2021, 7, e05993.	1.4	9
923	Porous carbon materials derived from olive kernels: application in adsorption of organic pollutants. <i>Environmental Science and Pollution Research</i> , 2020, 27, 29967-29982.	2.7	9
924	Synthesis of CeO <sub>2</sub> as promising adsorbent for the management of free-DNA harboring antibiotic resistance genes from tap-water. <i>Chemical Engineering Journal</i> , 2020, 401, 125562.	6.6	24
925	Adsorption and kinetic study of Reactive Red 2 dye onto graphene oxides and graphene quantum dots. <i>Diamond and Related Materials</i> , 2020, 109, 108002.	1.8	30
926	One-stage preparation of palm petiole-derived biochar: Characterization and application for adsorption of crystal violet dye in water. <i>Environmental Technology and Innovation</i> , 2020, 19, 100872.	3.0	95

#	ARTICLE	IF	CITATIONS
927	Simplified synthesis of new GO- $\beta$ -Fe <sub>2</sub> O <sub>3</sub> -Sh adsorbent material composed of graphene oxide decorated with iron oxide nanoparticles applied for removing diuron from aqueous medium. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 103903.	3.3	19
928	Biosorption for sustainable recovery of precious metals from wastewater. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 103996.	3.3	36
929	A novel route for preparation of chemically activated carbon from pistachio wood for highly efficient Pb(II) sorption. <i>Journal of Environmental Management</i> , 2019, 236, 34-44.	3.8	134
930	Selective and fast recovery of rare earth elements from industrial wastewater by porous $\beta$ -cyclodextrin and magnetic $\beta$ -cyclodextrin polymers. <i>Water Research</i> , 2020, 181, 115857.	5.3	66
931	Instantaneous Adsorption of Synthetic Dyes from an Aqueous Environment Using Kaolinite Nanotubes: Equilibrium and Thermodynamic Studies. <i>ACS Omega</i> , 2021, 6, 845-856.	1.6	22
932	Biosorption of residual cisplatin, carboplatin and oxaliplatin antineoplastic drugs in urine after chemotherapy treatment. <i>Environmental Chemistry</i> , 2018, 15, 506.	0.7	14
933	Insight into the adsorption mechanism of cationic dye onto biosorbents derived from agricultural wastes. <i>Chemical Engineering Communications</i> , 2017, 204, 1020-1036.	1.5	109
934	Adsorption of Naproxen Sodium from Aqueous Solutions on Commercial Activated Carbons. <i>Journal of Ecological Engineering</i> , 2019, 20, 241-251.	0.5	9
935	Estimation the Sorption Capacity of Chemically Modified Chitosan Toward Cadmium Ion in Wastewater Effluents. <i>Oriental Journal of Chemistry</i> , 2019, 35, 757-765.	0.1	5
936	Synthesis and Characterization of Magnetic CoFe <sub>1.9</sub> Cr <sub>0.1</sub> O <sub>4</sub> Nanoparticles by Sol-gel Method and Their Applications as an Adsorbent for Water Treatment. , 0, , .		1
937	X-ray Absorption (XRA): A New Technique for the Characterization of Granular Activated Carbons. <i>Materials</i> , 2021, 14, 91.	1.3	2
938	Adsorption of fluoride by porous adsorbents: Estimating pore diffusion coefficients from batch kinetic data. <i>Environmental Engineering Research</i> , 2020, 25, 645-651.	1.5	3
939	Single and competitive adsorptive removal of lead, cadmium, and mercury using zeolite adsorbent prepared from industrial aluminum waste. , 0, 126, 181-195.		11
940	Effect of the strong magnetic field on copper adsorption processes on activated carbon. <i>Challenges of Modern Technology</i> , 2017, 8, 7-10.	0.0	1
941	Independent mode sorption of perfluoroalkyl acids by single and multiple adsorbents. <i>Environmental Sciences: Processes and Impacts</i> , 2021, , .	1.7	1
942	Iron-Loaded Pomegranate Peel as a Bio-Adsorbent for Phosphate Removal. <i>Water (Switzerland)</i> , 2021, 13, 2709.	1.2	3
943	Biotin-functionalized silica nanoparticles loaded with Erythrosine B as selective photodynamic treatment for Glioblastoma Multiforme. <i>Journal of Molecular Liquids</i> , 2022, 345, 117898.	2.3	6
944	Adsorption of Zn <sup>2+</sup> from Synthetic Wastewater Using Dried Watermelon Rind (D-WMR): An Overview of Nonlinear and Linear Regression and Error Analysis. <i>Molecules</i> , 2021, 26, 6176.	1.7	14



#	ARTICLE	IF	CITATIONS
945	Kinetics, Thermodynamics, and Mechanism of Cu(II) Ion Sorption by Biogenic Iron Precipitate: Using the Lens of Wastewater Treatment to Diagnose a Typical Biohydrometallurgical Problem. ACS Omega, 2021, 6, 27984-27993.	1.6	8
946	Physical and chemical regularities of cesium and strontium recovery from the seawater by sorbents of various types. Journal of Radioanalytical and Nuclear Chemistry, 2021, 330, 1101-1111.	0.7	9
947	Insights into the Simultaneous Sorption of Ciprofloxacin and Heavy Metals Using Functionalized Biochar. Water (Switzerland), 2021, 13, 2768.	1.2	4
948	Caffeine removal from synthetic wastewater using magnetic fruit peel composites: Material characterization, isotherm and kinetic studies. Environmental Challenges, 2021, 5, 100343.	2.0	20
949	Non-linear modelling of the adsorption of Indigo Carmine dye from wastewater onto characterized activated carbon/volcanic ash composite. Arabian Journal of Chemistry, 2022, 15, 103515.	2.3	24
950	Bonding Behavior and Mechanism of U(VI) by Chemically Modified Deinococcus radiodurans. Minerals (Basel, Switzerland), 2021, 11, 1108.	0.8	2
951	Contrasting effect of zirconium-, iron-, and zirconium/iron-modified attapulgites capping and amendment on phosphorus mobilization in sediment. Environmental Science and Pollution Research, 2022, 29, 18508-18526.	2.7	12
952	Highly efficient adsorbent for removal of Crystal Violet Dye from Aqueous Solution by CaAl/LDH supported on Biochar. Applied Clay Science, 2021, 214, 106297.	2.6	35
953	Preparation of N-doped graphitic carbon nanofibers composites via pyrolysis strategy and its application in the antibiotics treatment. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 631, 127656.	2.3	3
954	Effective remediation of arsenate from contaminated water by zirconium modified pomegranate peel as an anion exchanger. Journal of Environmental Chemical Engineering, 2021, 9, 106552.	3.3	15
955	Investigation of copper adsorption on natural and microwave-treated bentonite. Eastern-European Journal of Enterprise Technologies, 2017, 6, 26-32.	0.3	4
956	Chromate Ion Adsorption onto Nanostructured Mn <sup>2+</sup> /Fe Oxide: Kinetics and Equilibrium Study. , 2019, , 269-282.		0
957	Ammonium ion removal from aqueous solutions using fly ash derived zeolites by alkaline fusion. Hemijska Industrija, 2019, 73, 249-264.	0.3	0
958	Scandium adsorption from sulfuric-chloride solutions with activated carbons. Russian Journal of Non-Ferrous Metals, 2019, , 49-55.	0.0	0
959	Adsorption of Co <sup>2+</sup> and radioactive <sup>60</sup> Co/ <sup>137</sup> Cs by mesoporous TiO <sub>2</sub> . Himia, Fizika Ta Tehnologija Poverhni, 2019, 10, 446-457.	0.2	2
960	Study of Methylene Blue Adsorption by Modified Kaolinite by Dimethyl Sulfoxide. Ecological Chemistry and Engineering S, 2020, 27, 225-239.	0.3	5
962	Removal of Methylene Blue from an Aqueous Medium Using Atemoya Peel as a Low-cost Adsorbent. Water, Air, and Soil Pollution, 2021, 232, 1.	1.1	10
963	A new way to ensure selective zirconium ion adsorption. Radiochimica Acta, 2021, .	0.5	5

#	ARTICLE	IF	CITATIONS
964	A critical review of various adsorbents for selective removal of nitrate from water: Structure, performance and mechanism. <i>Chemosphere</i> , 2022, 291, 132728.	4.2	77
965	Thermodynamic parameters of liquid–phase adsorption process calculated from different equilibrium constants related to adsorption isotherms: A comparison study. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106674.	3.3	139
966	Adsorption of Cr(III) from aqueous solution on NaOH-treated scraped coconut waste. <i>Ceylon Journal of Science</i> , 2021, 50, 391.	0.1	0
967	Groundwater remediation using Magnesium–Aluminum alloys and in situ layered doubled hydroxides. <i>Environmental Research</i> , 2022, 204, 112241.	3.7	5
968	Rapid removal of PFOA and PFOS via modified industrial solid waste: Mechanisms and influences of water matrices. <i>Chemical Engineering Journal</i> , 2022, 433, 133271.	6.6	16
969	Kinetic analysis of sucrose activated carbon for nutrient removal in water. <i>H2Open Journal</i> , 2020, 3, 208-220.	0.8	2
970	90Sr adsorption from the aquatic environment of Chernobyl exclusion zone by chemically enhanced TiO <sub>2</sub> . <i>Nuclear Physics and Atomic Energy</i> , 2020, 21, 347-353.	0.2	2
971	Mixture of CaCO <sub>3</sub> Polymorphs Serves as Best Adsorbent of Heavy Metals in Quadruple System. <i>Journal of Hazardous, Toxic, and Radioactive Waste</i> , 2022, 26, .	1.2	2
972	Synthesis of molecularly imprinted polymers for extraction of fluoroquinolones in environmental, food and biological samples. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2022, 208, 114447.	1.4	19
973	A critical evaluation of conventional kinetic and isotherm modeling for adsorptive removal of hexavalent chromium and methylene blue by natural rubber sludge-derived activated carbon and commercial activated carbon. <i>Bioresource Technology</i> , 2022, 343, 126135.	4.8	24
974	Validation of two contrasting capturing mechanisms for gaseous formaldehyde between two different types of strong metal-organic framework adsorbents. <i>Journal of Hazardous Materials</i> , 2022, 424, 127459.	6.5	18
975	Facile immobilization of ethylenediamine tetramethylene-phosphonic acid into UiO-66 for toxic divalent heavy metal ions removal: An experimental and theoretical exploration. <i>Science of the Total Environment</i> , 2022, 806, 150652.	3.9	43
976	Eco-friendly and acid-resistant magnetic porous carbon derived from ZIF-67 and corn stalk waste for effective removal of imidacloprid and thiamethoxam from water. <i>Chemical Engineering Journal</i> , 2022, 430, 132999.	6.6	69
977	FEATURES OF EXTRACTION OF COPPER, ZINC AND NICKEL IONS FROM AQUEOUS SOLUTIONS BY NATURAL SORBENTS, ACTIVATED MICROWAVES. <i>Proceedings of the Shevchenko Scientific Society Series Ď;chemical Sciences</i> , 2020, 2020, 55-67.	0.2	0
978	Mitigation of levofloxacin from aqueous media by adsorption: a review. <i>Sustainable Water Resources Management</i> , 2021, 7, 1.	1.0	62
979	Preparation and characterization of graphitic carbon nitrides/polyvinylidene fluoride adsorptive membrane modified with chitosan for Rhodamine B dye removal from water: Adsorption isotherms, kinetics and thermodynamics. <i>Carbohydrate Polymers</i> , 2022, 277, 118860.	5.1	45
980	Molecular simulation for physisorption characteristics of O <sub>2</sub> in low-rank coals. <i>Energy</i> , 2022, 242, 122538.	4.5	26
981	Highly Stable and Nontoxic Lanthanum-Treated Activated Palygorskite for the Removal of Lake Water Phosphorus. <i>Processes</i> , 2021, 9, 1960.	1.3	1

#	ARTICLE	IF	CITATIONS
982	Desorption and Migration Behavior of Beryllium from Contaminated Soils: Insights for Risk-Based Management. ACS Omega, 2021, 6, 30686-30697.	1.6	6
983	Removal behaviors of aerobic granular sludge on estrogens: Adsorption kinetics and removal mechanism. Journal of Water Process Engineering, 2021, 44, 102410.	2.6	7
985	A novel functionalized chitosan nanoadsorbent for efficient elimination of malachite green from aqueous media. Environmental Progress and Sustainable Energy, 2021, 40, e13576.	1.3	4
986	Glycerol mediated solution combustion synthesis of nano magnesia and its application in the adsorptive removal of anionic dyes. Nano Express, 2020, 1, 030018.	1.2	3
987	Mechanisms and Approaches for the Removal of Heavy Metals from Acid Mine Drainage and Other Industrial Effluents. Environmental Chemistry for A Sustainable World, 2021, , 513-537.	0.3	1
988	Synthesis of bi-functional chelating sorbent for recovery of uranium from aqueous solution: sorption, kinetics and reusability studies. Journal of Polymer Research, 2021, 28, 1.	1.2	2
989	The Influence of Groundwater Desalination by Modified Active Carbon/Bentonite on Its Application in Agriculture. Sustainability, 2021, 13, 13173.	1.6	1
990	Experimental and DFT Computational Insights on the Adsorption of Selected Pharmaceuticals of Emerging Concern from Water Systems onto Magnetically Modified Biochar. Journal of the Turkish Chemical Society, Section A: Chemistry, 2021, 8, 1179-1196.	0.4	2
991	Adsorption of environmental contaminants on micro- and nano-scale plastic polymers and the influence of weathering processes on their adsorptive attributes. Journal of Hazardous Materials, 2022, 427, 127903.	6.5	35
992	Production of engineered-biochar under different pyrolysis conditions for phosphorus removal from aqueous solution. Science of the Total Environment, 2022, 816, 151559.	3.9	23
993	The control on adsorption kinetics and selectivity of formaldehyde in relation to different surface-modification approaches for microporous carbon bed systems. Separation and Purification Technology, 2022, 283, 120178.	3.9	10
994	Treatment of real industrial wastewater with high sulfate concentrations using modified Jordanian kaolin sorbent: batch and modelling studies. Heliyon, 2021, 7, e08351.	1.4	11
995	Integrated experimental and theoretical insights for Malachite Green Dye adsorption from wastewater using low cost adsorbent. Water Science and Technology, 2021, 84, 3833-3858.	1.2	7
996	Development of a Novel Adsorbent Prepared from Dredging Sediment for Effective Removal of Dye in Aqueous Solutions. Applied Sciences (Switzerland), 2021, 11, 10722.	1.3	21
997	Converting waste polystyrene foam into new value-added materials: A large-capacity scavenger to remove cationic dyes and heavy metals. Journal of Applied Polymer Science, 2022, 139, 51868.	1.3	6
998	Reuse of iron ore tailings as an efficient adsorbent to remove dyes from aqueous solution. Environmental Technology (United Kingdom), 2021, , 1-12.	1.2	0
999	Simply synthesized sodium alginate/zirconium hydrogel as adsorbent for phosphate adsorption from aqueous solution: Performance and mechanisms. Chemosphere, 2022, 291, 133103.	4.2	44
1000	Guidelines to Study the Adsorption of Pesticides onto Clay Minerals Aiming at a Straightforward Evaluation of Their Removal Performance. Minerals (Basel, Switzerland), 2021, 11, 1282.	0.8	12

#	ARTICLE	IF	CITATIONS
1001	Reactive adsorption and catalytic oxidation of gaseous formaldehyde at room temperature by a synergistic copper-magnesium bimetal oxide biochar composite. <i>Chemical Engineering Journal</i> , 2022, 433, 133497.	6.6	22
1002	Fabrication of environmentally-friendly composited sponges for efficient removal of fluoroquinolones antibiotics from water. <i>Journal of Hazardous Materials</i> , 2022, 426, 127796.	6.5	18
1003	Recent developments in the removal of metal-based engineered nanoparticles from the aquatic environments by adsorption. <i>Chemosphere</i> , 2022, 291, 133089.	4.2	5
1004	Adsorption and possibility of separation of heavy metal cations by strong cation exchange resin. <i>Chemical Physics Impact</i> , 2021, 3, 100056.	1.7	17
1005	Iron (Fe) metal-organic frameworks: A new class of superior and sustainable phosphate adsorbents. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106849.	3.3	8
1006	Modification of Takari natural sand based silica with BSA (SiO <sub>2</sub> @BSA) for biogenic amines compound adsorbent. <i>AIMS Materials Science</i> , 2021, 9, 36-55.	0.7	3
1007	Sources of Heavy Metals Pollution. <i>Environmental Chemistry for A Sustainable World</i> , 2021, , 419-454.	0.3	3
1008	Solvent-Driven Transformation of Zn/Cd <sup>2+</sup> -Deoxycholate Assemblies. <i>Inorganic Chemistry</i> , 2022, 61, 1275-1286.	1.9	4
1009	Fluoride ions sorption using functionalized magnetic metal oxides nanocomposites: a review. <i>Environmental Science and Pollution Research</i> , 2022, 29, 9640.	2.7	5
1010	Development of a novel and efficient biochar produced from pepper stem for effective ibuprofen removal. <i>Bioresource Technology</i> , 2022, 347, 126685.	4.8	27
1011	Effect of <i>Shewanella oneidensis</i> MR-1 on U(VI) sequestration by montmorillonite. <i>Journal of Environmental Radioactivity</i> , 2022, 242, 106798.	0.9	44
1012	Application of activated carbon functionalized with graphene oxide for efficient removal of COVID-19 treatment-related pharmaceuticals from water. <i>Chemosphere</i> , 2022, 289, 133213.	4.2	33
1013	Removal of minocycline from high concentrated aqueous medium by nonliving and lipid-free <i>Chlorella</i> sp. biomass. <i>Bioresource Technology Reports</i> , 2022, 17, 100921.	1.5	2
1014	New efficient poly(acrylic acid)-based bifunctional Cu <sup>2+</sup> ions adsorbents. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 635, 128090.	2.3	1
1015	Removal of copper from sulfate solutions using biochar derived from crab processing by-product. <i>Journal of Environmental Management</i> , 2022, 303, 114270.	3.8	9
1016	Interaction of phosphatase with soil nanoclays: Kinetics, thermodynamics and activities. <i>Geoderma</i> , 2022, 409, 115654.	2.3	5
1017	Remediation of noxious wastewater using nanohybrid adsorbent for preventing water pollution. <i>Chemosphere</i> , 2022, 292, 133380.	4.2	12
1018	Co-Growth of Iron Oxides with MIL-100(Fe) Enhances its Adsorption for Selenite with a Synergistic Effect. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0

#	ARTICLE	IF	CITATIONS
1019	Development of a Novel and Efficient Biochar Produced from Pepper Stem for Effective Ibuprofen Removal. SSRN Electronic Journal, 0, , .	0.4	0
1020	Biocarvão ativado produzido a partir de lodo anaer3bio de esta33o de tratamento de efluentes para remo3o do corante tartrazina. Revista Materia, 2021, 26, .	0.1	0
1021	Hydrothermal carbonization of digested sewage sludge coupled with Alkali activation: Integrated approach for sludge handling, optimized production, characterization and Pb(II) adsorption. Journal of the Taiwan Institute of Chemical Engineers, 2022, 133, 104203.	2.7	14
1022	Emerging trends in the application of carbon-based materials: A review. Journal of Environmental Chemical Engineering, 2022, 10, 107260.	3.3	26
1023	Magnetic adsorbent developed with alkali-thermal pretreated biogas slurry solids for the removal of heavy metals: optimization, kinetic, and equilibrium study. Environmental Science and Pollution Research, 2022, 29, 30217-30232.	2.7	9
1024	Biosorption of nickel ions Ni <sup>2+</sup> by natural and modified Pinus caribaea Morelet sawdust. Heliyon, 2022, 8, e08842.	1.4	6
1025	Comparison of Cadmium Adsorption from Water Using Same Source Chitosan and Nanochitosan: Is It Worthwhile to Go Nano?. Journal of Polymers and the Environment, 2022, 30, 2727-2738.	2.4	1
1026	Ion exchange and adsorption of cadmium from aqueous media in sodium-modified expanded vermiculite. Environmental Science and Pollution Research, 2022, 29, 79903-79919.	2.7	7
1027	Use of ch3nevoite, a valuable co-product of industrial hemp fiber, as adsorbent for copper ions: Kinetic studies and modeling. Arabian Journal of Chemistry, 2022, 15, 103742.	2.3	7
1028	Effects of modification and co-aging with soils on Cd(II) adsorption behaviors and quantitative mechanisms by biochar. Environmental Science and Pollution Research, 2023, 30, 8902-8915.	2.7	5
1029	Simple and effective one-step production of high-quality mesoporous pyrolytic char from waste tires: Rhodamine B adsorption kinetics and density functional theory (DFT) study. Diamond and Related Materials, 2022, 121, 108768.	1.8	5
1030	Linking the effect of temperature on adsorption from aqueous solution with solute dissociation. Journal of Hazardous Materials, 2022, 429, 128291.	6.5	6
1031	In-Depth Study of Heavy Metal Removal by an Etidronic Acid-Functionalized Layered Double Hydroxide. ACS Applied Materials & Interfaces, 2022, 14, 7450-7463.	4.0	107
1032	Composites derived from synthetic clay and carbon sphere: Preparation, characterization, and application for dye decontamination. Korean Journal of Chemical Engineering, 2022, 39, 1053-1064.	1.2	7
1033	Adsorption of Pb(II) from Water onto ZnO, TiO <sub>2</sub> , and Al <sub>2</sub> O <sub>3</sub> : Process Study, Adsorption Behaviour, and Thermodynamics. Adsorption Science and Technology, 2022, .	1.5	11
1034	Synthesis of a biobased resin and its screening as an alternative adsorbent for organic and inorganic micropollutant removal. Environmental Science and Pollution Research, 2022, 29, 79935-79953.	2.7	4
1035	Fluoride Bio-Sorption Efficiency and Antimicrobial Potency of Macadamia Nut Shells. Materials, 2022, 15, 1065.	1.3	3
1036	Magnetic graphene oxide for methylene blue removal: adsorption performance and comparison of regeneration methods. Environmental Science and Pollution Research, 2022, 29, 30774-30789.	2.7	17

#	ARTICLE	IF	CITATIONS
1037	Interface design, surface-related properties, and their role in interfacial electron transfer. Part I: Materials-related topics. <i>Advances in Inorganic Chemistry</i> , 2022, , 377-413.	0.4	2
1038	Acetaminophen removal by calcium alginate/activated hydrochar composite beads: Batch and fixed-bed studies. <i>International Journal of Biological Macromolecules</i> , 2022, 203, 553-562.	3.6	32
1039	Intercalated double layer hydroxide with sodium lauryl sulfate for cationic dye adsorption from aqueous solution. <i>Nanotechnology for Environmental Engineering</i> , 0, , .	2.0	0
1040	Phosphoric acid/FeCl <sub>3</sub> converting waste mangosteen peels into bio-carbon adsorbents for methylene blue removal. <i>International Journal of Environmental Science and Technology</i> , 2022, 19, 12315-12328.	1.8	5
1041	Impregnation of Silver Nanoparticles onto Polymers Based on Sugarcane Bagasse for the Remediation of Endocrine Disruptorâ€“Bisphenol A from Water. <i>Adsorption Science and Technology</i> , 2022, 2022, .	1.5	4
1042	Application of biowaste generated by the production chain of pitaya fruit ( <i>Hylocereus undatus</i> ) as an efficient adsorbent for removal of naproxen in water. <i>Environmental Science and Pollution Research</i> , 2022, 29, 39754-39767.	2.7	5
1043	Effective biosorption of arsenic from water using La(III) loaded carboxyl functionalized watermelon rind. <i>Arabian Journal of Chemistry</i> , 2022, 15, 103674.	2.3	9
1044	Fish scale of <i>Sardina pilchardus</i> as a biosorbent for the removal of Ponceau S dye from water: Experimental, designing and Monte Carlo investigations. <i>Inorganic Chemistry Communication</i> , 2022, 137, 109196.	1.8	6
1045	Effects of competitive adsorption with Ni(II) and Cu(II) on the adsorption of Cd(II) by modified biochar co-aged with acidic soil. <i>Chemosphere</i> , 2022, 293, 133621.	4.2	44
1046	Sludge-based activated carbon and its application in the removal of perfluoroalkyl substances: A feasible approach towards a circular economy. <i>Chemosphere</i> , 2022, 294, 133707.	4.2	34
1047	The uptake performance and microscopic mechanism of inorganic-organic phosphorus hybrid amorphous hydroxyapatite for multiple heavy metal ions. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 640, 128384.	2.3	5
1048	Enhanced arsenite removal by superparamagnetic iron oxide nanoparticles in-situ synthesized on a commercial cube-shape sponge: adsorption-oxidation mechanism. <i>Journal of Colloid and Interface Science</i> , 2022, 614, 460-467.	5.0	10
1049	Decoupling the adsorption mechanisms of arsenate at molecular level on modified cube-shaped sponge loaded superparamagnetic iron oxide nanoparticles. <i>Journal of Environmental Sciences</i> , 2022, 121, 1-12.	3.2	10
1050	Polypyrrole-based adsorbents for Cr(VI) ions remediation from aqueous solution: a review. <i>Water Science and Technology</i> , 2022, 85, 1600-1619.	1.2	12
1051	Adsorptive behavior of thallium using Fe <sub>3</sub> O <sub>4</sub> -kaolin composite synthesized by a room temperature ferrite process. <i>Chemosphere</i> , 2022, 296, 133899.	4.2	6
1052	Photoinduced adsorption of Cr(VI) ions in nano-zinc oxide and nano-zinc oxide/polypyrrole composite. <i>Journal of Applied Polymer Science</i> , 0, , 52225.	1.3	2
1053	Mass transfer models for the adsorption of 2,4-dichlorophenoxyacetic acid (2,4-D) and atrazine herbicides from agricultural wastewaters. <i>Chemical Engineering Communications</i> , 2023, 210, 247-258.	1.5	5
1054	A comprehensive review on emerging natural and tailored materials for chromium-contaminated water treatment and environmental remediation. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 107325.	3.3	26



#	ARTICLE	IF	CITATIONS
1055	Efficiency of air-dried and freeze-dried alginate/xanthan beads in batch, recirculating and column adsorption processes. <i>International Journal of Biological Macromolecules</i> , 2022, 204, 345-355.	3.6	6
1056	Adsorption properties of Danthron-impregnated carbon nanotubes and their usage for solid phase extraction of heavy metal ions. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 641, 128528.	2.3	34
1057	Adsorption of dibenzothiophene in model diesel fuel by amarula waste biomass as a low-cost adsorbent. <i>Journal of Environmental Management</i> , 2022, 309, 114598.	3.8	3
1058	Difference in Cadmium Chemisorption on Calcite and Vaterite Porous Particles. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
1059	Hemp-Based Materials for Applications in Wastewater Treatment by Biosorption-Oriented Processes: A Review. , 2022, , 239-295.		2
1060	Comment on "Super-adsorbent hydrogel for removal of methylene blue dye from aqueous solution" by X.-S. Hu, R. Liang and G. Sun, <i>J. Mater. Chem. A</i> , 2018, 6, 17612-17624. <i>Journal of Materials Chemistry A</i> , 2022, 10, 6809-6814.	5.2	1
1061	Removal of Pb(II), Cd(II), Cu(II), Cr (VI), Acid Red 1, Phenol and Toluene Using Carbon Sphere and Layered Double Hydroxide Composites. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
1062	Comments on "Removal of methylene blue dye using nano zerovalent iron, nanoclay and iron impregnated nanoclay" a comparative study by M. M. Tareegn, R. M. Balakrishnan, A. M. Hiruy and A. H. Dekebo, <i>RSC Adv.</i> , 2021, 11, 30109. <i>RSC Advances</i> , 2022, 12, 5769-5771.	1.7	3
1063	Synthesis of Cadmium(II)-Based Coordination Polymers and its Use for Adsorption of Diclofenac from Aqueous Solutions and Highly Sensitive Fluorescence Detection of Copper (II) and Nickel (II) Cations. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
1064	Thermochemical Study of Chromium Sequestration Onto Chemically Modified <i>Areca Catechu</i> and its Recovery by Desorptive Precipitation Method. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
1065	Use of Biochar from Rice Husk Pyrolysis: Part A: Recovery as an Adsorbent in the Removal of Emerging Compounds. <i>ACS Omega</i> , 2022, 7, 7625-7637.	1.6	27
1066	Enhanced biosorption of bisphenol A from wastewater using hydroxyapatite elaborated from fish scales and camel bone meal: A RSM@BBD optimization approach. <i>Ceramics International</i> , 2022, 48, 15811-15823.	2.3	17
1067	Pb(II)-phycoremediation mechanism using <i>Scenedesmus obliquus</i> : cells physicochemical properties and metabolomic profiling. <i>Heliyon</i> , 2022, 8, e08967.	1.4	15
1068	Sorption of Fluoride and Bacterial Disinfection Property of Biosynthesized Nanofibrous Cellulose Decorated Ag-MgO Nanohydroxyapatite Composite for Household Water Treatment. <i>Polymers</i> , 2022, 14, 890.	2.0	3
1069	Contaminants of emerging concern (CECs) adsorption on superfine activated carbon. <i>Water Science and Technology: Water Supply</i> , 0, , .	1.0	0
1070	Petrochemical Wastewater Treatment by Eggshell Modified Biochar as Adsorbent: A techno-Economic and Sustainable Approach. <i>Adsorption Science and Technology</i> , 2022, 2022, .	1.5	17
1071	Brushite-Metakaolin Composite Geopolymer Material as an Effective Adsorbent for Lead Removal from Aqueous Solutions. <i>Sustainability</i> , 2022, 14, 4003.	1.6	2
1072	Evaluation of adsorptive and photocatalytic degradation properties of $\text{FeWO}_4/\text{polypyrrole}$ nanocomposite for rose bengal and alizarin red S from liquid phase: Modeling of adsorption isotherms and kinetics data. <i>Environmental Progress and Sustainable Energy</i> , 2022, 41, .	1.3	15

#	ARTICLE	IF	CITATIONS
1073	Functionally-Designed Chitosan-based hydrogel beads for adsorption of sulfamethoxazole with light regeneration. <i>Separation and Purification Technology</i> , 2022, 293, 120973.	3.9	12
1074	Physicochemical Modeling of the Adsorption of Pharmaceuticals on MIL-100-Fe and MIL-101-Fe MOFs. <i>Adsorption Science and Technology</i> , 2022, 2022, .	1.5	8
1075	Removal of Copper (II) from Aqueous Solution by a Hierarchical Porous Hydroxylapatite-Biochar Composite Prepared with Sugarcane Top Internode Biotemplate. <i>Water (Switzerland)</i> , 2022, 14, 839.	1.2	3
1076	Sustainable Downstream Separation of Itaconic Acid Using Carbon-Based Adsorbents. <i>Adsorption Science and Technology</i> , 2022, 2022, .	1.5	1
1077	Amino Acid Complexes of Zirconium in a Carbon Composite for the Efficient Removal of Fluoride Ions from Water. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 3640.	1.2	3
1078	Immobilization of lead, copper, cadmium, nickel, and zinc in sediment by red mud: adsorption characteristics, mechanism, and effect of dosage on immobilization efficiency. <i>Environmental Science and Pollution Research</i> , 2022, 29, 51793-51814.	2.7	8
1079	Integration of Phosphotungstic Acid into Zeolitic Imidazole Framework-67 for Efficient Methylene Blue Adsorption. <i>ACS Omega</i> , 2022, 7, 9900-9908.	1.6	10
1080	Activated Carbon as Superadsorbent and Sustainable Material for Diverse Applications. <i>Adsorption Science and Technology</i> , 2022, 2022, .	1.5	40
1081	Effective sorptive removal of five cationic dyes from aqueous solutions by using magnetic multi-walled carbon nanotubes. <i>Water Science and Technology</i> , 2022, 85, 1999-2014.	1.2	6
1082	Novel Fe <sub>3</sub> O <sub>4</sub> -Modified Biochar Derived from Citrus Bergamia Peel: A Green Synthesis Approach for Adsorptive Removal of Methylene Blue. <i>ChemistrySelect</i> , 2022, 7, .	0.7	17
1083	Adsorptive removal of aromatic amine from aqueous solutions using carbon black as adsorbent. <i>Chemical Engineering Communications</i> , 2023, 210, 1108-1117.	1.5	2
1084	Removal of the Anionic Dye Congo Red from an Aqueous Solution Using a Crosslinked Poly(vinyl) Linear Forms of Isotherms and Kinetics. <i>Langmuir</i> , 2022, 38, 4065-4076.	1.6	8
1085	Thermodynamics and Mechanism of the Adsorption of Heavy Metal Ions on Keratin Biomasses for Wastewater Detoxification. <i>Adsorption Science and Technology</i> , 2022, 2022, .	1.5	13
1086	Synthesizing magnetic graphene oxide nanomaterial (GO-Fe <sub>3</sub> O <sub>4</sub> ) and kinetic modelling of methylene blue adsorption from water. <i>Canadian Journal of Chemical Engineering</i> , 2022, 100, 3321-3334.	0.9	9
1087	Some mistakes and misinterpretations in the analysis of thermodynamic adsorption data. <i>Journal of Molecular Liquids</i> , 2022, 352, 118762.	2.3	24
1088	Production of sugar-derived carbons by different routes and their applications for dye removal in water. <i>Chemical Engineering Research and Design</i> , 2022, 182, 237-245.	2.7	7
1089	Evaluation of the Adsorptive Potential of Zeolite Volcanic Tuff in Single and Binary Aqueous Solutions of the Basic Blue 41 Cationic Dye. <i>ChemistrySelect</i> , 2022, 7, .	0.7	1
1090	Investigation of Adsorption Kinetics for Per- and Poly-fluoroalkyl substances (PFAS) Adsorption onto Powder Activated Carbon (PAC) in the Competing Systems. <i>Water, Air, and Soil Pollution</i> , 2022, 233, 1.	1.1	5

#	ARTICLE	IF	CITATIONS
1091	Insight into aerobic phosphorus removal from wastewater in algal-bacterial aerobic granular sludge system. <i>Bioresource Technology</i> , 2022, 352, 127104.	4.8	16
1092	Removal of hexavalent chromium by polyethyleneimine impregnated activated carbon: intra-particle diffusion, kinetics and isotherms. <i>Journal of Materials Research and Technology</i> , 2022, 18, 1333-1344.	2.6	38
1093	Soil platisphere: Exploration methods, influencing factors, and ecological insights. <i>Journal of Hazardous Materials</i> , 2022, 430, 128503.	6.5	45
1094	Novel layered iron antimony thioostannate adsorbent of K <sub>1.61</sub> Fe <sub>0.04</sub> Sb <sub>0.03</sub> Sn <sub>3.15</sub> 7 for cesium green recovery from geothermal water. <i>Journal of Cleaner Production</i> , 2022, 347, 131332.	4.6	12
1095	Lead adsorption and antibacterial activity using modified magnetic biochar/sodium alginate nanocomposite. <i>International Journal of Biological Macromolecules</i> , 2022, 206, 730-739.	3.6	10
1096	Graphene oxide-chitosan composite aerogel for adsorption of methyl orange and methylene blue: Effect of pH in single and binary systems. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 641, 128595.	2.3	51
1097	Sustainability assessment of acid-modified biochar as adsorbent for the removal of pharmaceuticals and personal care products from secondary treated wastewater. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 107592.	3.3	21
1098	Difference in cadmium chemisorption on calcite and vaterite porous particles. <i>Chemosphere</i> , 2022, 297, 134057.	4.2	9
1099	Performance and mechanism of As(III/â...) removal from aqueous solution by novel positively charged animal-derived biochar. <i>Separation and Purification Technology</i> , 2022, 290, 120836.	3.9	9
1100	Production of activated carbon with tunable porosity and surface chemistry via chemical activation of hydrochar with phosphoric acid under oxidizing atmosphere. <i>Surfaces and Interfaces</i> , 2022, 30, 101849.	1.5	15
1101	Removal of ammonium from wastewater by zeolite synthesized from volcanic ash: Batch and column tests. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 107539.	3.3	14
1102	Fresh biomass derived biochar with high-load zero-valent iron prepared in one step for efficient arsenic removal. <i>Journal of Cleaner Production</i> , 2022, 352, 131616.	4.6	32
1103	Synthesis and characterization of hexagonal Mg Fe layered double hydroxide/grapheme oxide nanocomposite for efficient adsorptive removal of cadmium ion from aqueous solutions: Isotherm, kinetic, thermodynamic and mechanism. <i>Journal of Water Process Engineering</i> , 2022, 47, 102746.	2.6	39
1104	Concurrent elimination and stepwise recovery of Pb(II) and bisphenol A from water using Î²â cyclodextrin modified magnetic cellulose: adsorption performance and mechanism investigation. <i>Journal of Hazardous Materials</i> , 2022, 432, 128758.	6.5	62
1105	Hydrothermal synthesis of magnetic-biochar nanocomposite derived from avocado peel and its performance as an adsorbent for the removal of methylene blue from wastewater. <i>Materials Today Sustainability</i> , 2022, 18, 100123.	1.9	15
1106	High-efficiency capture and removal of phosphate from wastewater by 3D hierarchical functional biomass-derived carbon aerogel. <i>Science of the Total Environment</i> , 2022, 827, 154343.	3.9	13
1107	Speciation of heavy metals in soils and their immobilization at micro-scale interfaces among diverse soil components. <i>Science of the Total Environment</i> , 2022, 825, 153862.	3.9	96
1108	Ammonia removal from industrial effluent using zirconium oxide and graphene-oxide nanocomposites. <i>Chemosphere</i> , 2022, 297, 134008.	4.2	12

#	ARTICLE	IF	CITATIONS
1109	Preparation of novel N-doped biochar and its high adsorption capacity for atrazine based on π-π electron donor-acceptor interaction. <i>Journal of Hazardous Materials</i> , 2022, 432, 128757.	6.5	112
1110	Mechanistic understanding of Nickel(II) adsorption onto fluorapatite-based natural phosphate via Rietveld refinement combined with Monte Carlo simulations. <i>Journal of Solid State Chemistry</i> , 2022, 310, 123023.	1.4	7
1111	Colloidal biochar for enhanced adsorption of antibiotic ciprofloxacin in aqueous and synthetic hydrolyzed human urine matrices. <i>Chemosphere</i> , 2022, 297, 133984.	4.2	20
1112	Advances in adsorptive membrane technology for water treatment and resource recovery applications: A critical review. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 107633.	3.3	46
1113	Melamine sponge loading improves the separation performance of magnetic hydroxyapatite for Pb(II) adsorption. <i>Separation and Purification Technology</i> , 2022, 291, 120851.	3.9	15
1114	Toward new low-temperature thermochemical heat storage materials: Investigation of hydration/dehydration behaviors of MgSO <sub>4</sub> /Hydroxyapatite composite. <i>Solar Energy Materials and Solar Cells</i> , 2022, 240, 111696.	3.0	19
1115	Nanocellulose bio-based composites for the removal of methylene blue from water: An experimental and theoretical exploration. <i>Journal of Molecular Liquids</i> , 2022, 357, 119089.	2.3	6
1116	Selective adsorption of anions on hydrotalcite-like compounds derived from drinking water treatment residuals. <i>Chemosphere</i> , 2022, 300, 134508.	4.2	4
1117	Adsorption of persistent organic pollutants (POPs) from the aqueous environment by nano-adsorbents: A review. <i>Environmental Research</i> , 2022, 212, 113123.	3.7	62
1118	Efficient adsorption removal and adsorption mechanism of basic fuchsin by recyclable Fe <sub>3</sub> O <sub>4</sub> @CD magnetic microspheres. <i>Journal of Central South University</i> , 2021, 28, 3666-3680.	1.2	6
1119	Simultaneous Removal of Heavy Metals and Ciprofloxacin Micropollutants from Wastewater Using Ethylenediaminetetraacetic Acid-Functionalized β <sup>2</sup> -Cyclodextrin-Chitosan Adsorbent. <i>ACS Omega</i> , 2021, 6, 34624-34634.	1.6	28
1120	Application of polymer-coated Macadamia integrifolia nutshell biomass impregnated with palladium for chromium(VI) remediation. <i>Scientific Reports</i> , 2021, 11, 24184.	1.6	0
1121	Optimized preparation of activated carbon from furfural residue using response surface methodology and its application for bisphenol S adsorption. <i>Water Science and Technology</i> , 2022, 85, 811-826.	1.2	2
1122	Influence of Porosity and Surface Area of a Modified Kaolinite on the Adsorption of Basic Red 46 (BR-46). <i>Water, Air, and Soil Pollution</i> , 2021, 232, 1.	1.1	8
1123	Application of Waste-Derived Activated Red Mud/Base Treated Rice Husk Composite in Sulfate Adsorption from Aqueous Solution. <i>International Journal of Environmental Research</i> , 2022, 16, 1.	1.1	5
1124	Numerical investigation of ibuprofen removal from pharmaceutical wastewater using adsorption process. <i>Scientific Reports</i> , 2021, 11, 24478.	1.6	16
1125	Adsorption of UO <sub>2</sub> <sup>2+</sup> by AlBaNi-layered double hydroxide nano-particles: kinetic, isothermal, and thermodynamic studies. <i>Radiochimica Acta</i> , 2022, 110, 173-183.	0.5	2
1126	Spinel ferrite-enhanced Cr(VI) removal performance of micro-scale zero-valent aluminum: Synergistic effects of oxide film destruction and lattice spacing expansion. <i>Separation and Purification Technology</i> , 2022, 294, 121110.	3.9	6

#	ARTICLE	IF	CITATIONS
1127	Efficient Fluoride Removal by a Fixed-Bed Column of Self-Assembled Zr(IV)-, Fe(III)-, Cu(II)-Complexed Polyvinyl Alcohol Hydrogel Beads. ACS Omega, 2022, 7, 15048-15063.	1.6	7
1128	Improvement in adsorption of Hg <sup>2+</sup> from aqueous media using sodium-type fine zeolite grains. Water Science and Technology, 2022, 85, 2827-2839.	1.2	1
1129	A re-analysis of NH <sub>4</sub> <sup>+</sup> sorption on biochar: Have expectations been too high?. Chemosphere, 2022, 301, 134662.	4.2	8
1130	Sugarcane bagasse biochar pellets for removal of caffeine, norfloxacin, and ciprofloxacin in aqueous samples. Ecletica Quimica, 2022, 47, 82-96.	0.2	2
1131	Long-term phosphorus sorption and leaching in sand filters for onsite treatment systems. Science of the Total Environment, 2022, 833, 155254.	3.9	12
1132	Removal of mercury(II) from aqueous solution by partially reduced graphene oxide. Scientific Reports, 2022, 12, 6326.	1.6	25
1133	Environmentally friendly synthesis of silicon dioxide nanoparticles and their application for the removal of emerging contaminants in aqueous media. Journal of Physics: Conference Series, 2022, 2238, 012005.	0.3	2
1134	The phase transformation of microbial induced struvite and its Cd(II) immobilization mechanism. Journal of Environmental Chemical Engineering, 2022, 10, 107695.	3.3	3
1135	Role of stacking faults and hydroxyl groups on the lithium adsorption/desorption properties of layered H <sub>2</sub> TiO <sub>3</sub> . Materials Today Advances, 2022, 14, 100237.	2.5	5
1136	Efficient removal of 2,4-D from solution using a novel antibacterial adsorbent based on tiger nut residues: adsorption and antibacterial study. Environmental Science and Pollution Research, 2022, 29, 64177-64191.	2.7	8
1137	Application of biochar for the removal of actinides and lanthanides from aqueous solutions. , 2022, , 321-359.		1
1138	Removal of Lead and Chromium from Solution by Organic Peels: Effect of Particle Size and Bio-Adsorbent. SSRN Electronic Journal, 0, , .	0.4	0
1139	Optimizing biochar adsorption relative to activated carbon in water treatment. , 2022, , 737-773.		1
1140	On the Development of a Consistent Mathematical Model for Adsorption in a Packed Column (and Why) Tj ETQq1 1 0.784314 rgBT / Qv	0.4	0
1141	Fixed Bed Adsorption of Water Contaminants: A Cautionary Guide to Simple Analytical Models and Modeling Misconceptions. Separation and Purification Reviews, 2023, 52, 75-97.	2.8	9
1142	Adsorption Kinetics of Imidacloprid, Acetamiprid and Methomyl Pesticides in Aqueous Solution onto Eucalyptus Woodchip Derived Biochar. Minerals (Basel, Switzerland), 2022, 12, 528.	0.8	15
1143	Water-stable metal-organic framework (UiO-66) supported on zirconia nanofibers membrane for the dynamic removal of tetracycline and arsenic from water. Applied Surface Science, 2022, 596, 153559.	3.1	19
1144	ADSORPTION OF DENTAL CLINIC POLLUTANTS USING BONE CHAR: ADSORBENT PREPARATION, ASSESSMENT AND MECHANISM ANALYSIS. Chemical Engineering Research and Design, 2022, , .	2.7	7

#	ARTICLE	IF	CITATIONS
1145	Sorption properties of Zr-CaMg and Ti-Ca-Mg phosphates in relation to Sr(II) ions. , 2022, 66, 167-175.	0.0	0
1146	Novel MOF-808 metal-organic framework as highly efficient adsorbent of perfluorooctane sulfonate in water. Journal of Colloid and Interface Science, 2022, 623, 627-636.	5.0	30
1147	High specific surface area N-doped activated carbon from hydrothermal carbonization of shaddock peel for the removal of norfloxacin from aqueous solution. Water Science and Technology, 2022, 85, 2964-2979.	1.2	4
1148	A comparative analysis of the adsorption kinetics of Cu <sup>2+</sup> and Cd <sup>2+</sup> by the microalgae <i>Chlorella vulgaris</i> and <i>Scenedesmus obliquus</i> . Algal Research, 2022, 64, 102710.	2.4	8
1149	Biochar-graphene oxide composite is efficient to adsorb and deliver copper and zinc in tropical soil. Journal of Cleaner Production, 2022, 360, 132170.	4.6	9
1150	Optimization of humic acid adsorption using central composite design (CCD) and principal component analysis (PCA): kinetics, isotherm, and thermodynamics studies. Arabian Journal of Geosciences, 2022, 15, .	0.6	0
1151	Cadmium resistance, microbial biosorptive performance and mechanisms of a novel biocontrol bacterium <i>Paenibacillus</i> sp. LYX-1. Environmental Science and Pollution Research, 2022, 29, 68692-68706.	2.7	6
1152	Assessment of carbon nanotube-based materials to preconcentrate metals: kinetic and reusability studies. Journal of Materials Science, 0, , 1.	1.7	0
1153	Inclusion of Montmorillonite Clays in Environmental Barrier Formulations to Reduce Skin Exposure to Water-Soluble Chemicals from Polluted Water. ACS Applied Materials & Interfaces, 2022, 14, 23232-23244.	4.0	7
1154	A review of the toxicology presence and removal of ketoprofen through adsorption technology. Journal of Environmental Chemical Engineering, 2022, 10, 107798.	3.3	29
1155	An efficient and high-capacity porous functionalized-membranes for uranium recovery from wastewater. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2022, 647, 129032.	2.3	14
1156	Incorporating simultaneous effect of initial concentration and sorbent dose into removal prediction model using glyphosate experimental data and theoretical analysis. Chemical Engineering Journal, 2022, 445, 136667.	6.6	6
1157	Removal of heavy metals from stormwater runoff using granulated drinking water treatment residuals. Environmental Technology and Innovation, 2022, 28, 102636.	3.0	22
1158	Facilitated physisorption of ibuprofen on waste coffee residue biochars through simultaneous magnetization and activation in groundwater and lake water: Adsorption mechanisms and reusability. Journal of Environmental Chemical Engineering, 2022, 10, 107914.	3.3	19
1159	A Comprehensive Review on Application of Lignocellulose Derived Nanomaterial in Heavy Metals Removal from Wastewater. Chemistry Africa, 2023, 6, 39-78.	1.2	7
1160	Synthesis of 2-methylacrylamide/high-molecular-weight cellulose using gamma ray irradiation and preparation of cryogels for removing anionic dyes. Cellulose, 2022, 29, 5511-5527.	2.4	1
1161	Three-dimensional hierarchical Ag/Mg(Ni)Al-layered double hydroxide Janus micromotor derived from lotus pollen for active removal of organic pollutant. Journal of Materials Science, 2022, 57, 10953-10967.	1.7	5
1162	The effect of carbonization temperature on the capacity and mechanisms of Cd(II)-Pb(II) mix-ions adsorption by wood ear mushroom sticks derived biochar. Ecotoxicology and Environmental Safety, 2022, 239, 113646.	2.9	18



#	ARTICLE	IF	CITATIONS
1163	Basic fundamentals of adsorption modeling for removal of pesticides from water and wastewater. , 2022, , 159-188.		1
1164	Screening the functions of modified rice straw biochar for adsorbing manganese from drinking water. RSC Advances, 2022, 12, 15222-15230.	1.7	4
1165	Effect of background electrolytes on the adsorption of phosphorus (P) onto southern Tunisia natural clays. Physics and Chemistry of the Earth, 2022, 127, 103160.	1.2	2
1166	Engineered raw, carbonaceous, and modified biomass-based adsorbents for Rhodamine B dye removal from water and wastewater. Bioresource Technology Reports, 2022, 18, 101082.	1.5	16
1167	Fe <sub>3</sub> O <sub>4</sub> -PEI Nanocomposites for Magnetic Harvesting of <i>Chlorella vulgaris</i> , <i>Chlorella ellipsoidea</i> , <i>Microcystis aeruginosa</i> , and <i>Auxenochlorella protothecoides</i> . Nanomaterials, 2022, 12, 1786.	1.9	11
1168	Scavenging of hexavalent chromium from aqueous solution by Macadamia nutshell biomass modified with diethylenetriamine and maleic anhydride. Environmental Research, 2022, 212, 113445.	3.7	5
1169	Removal of Cylindrospermopsin by Adsorption on Granular Activated Carbon, Selection of Carbons and Estimated Fixed-Bed Breakthrough. Water (Switzerland), 2022, 14, 1630.	1.2	3
1170	Effect of Chemical and Thermal Treatment Priority on Physicochemical Properties and Removal of Crystal Violet Dye from Aqueous Solution. ChemistrySelect, 2022, 7, .	0.7	3
1171	Use of Ion-Exchange Resins to Adsorb Scandium from Titanium Industry's Chloride Acidic Solution at Ambient Temperature. Metals, 2022, 12, 864.	1.0	5
1172	Development and application of lanthanum peroxide loaded sepiolite nanocomposites for simultaneous removal of phosphate and inhibition of cyanobacteria growth. Journal of Colloid and Interface Science, 2022, 624, 691-703.	5.0	10
1173	Comments on "Biosorption of nickel from aqueous solution onto <i>Liagora viscida</i> : Kinetics, isotherm, and thermodynamics" Environmental Progress and Sustainable Energy, 0, , .	1.3	0
1174	Effect of sediment burial depth on the control of sedimentary phosphorus release by iron/aluminum co-modified calcite and strategy for overcoming the negative effect of sediment burial. Science of the Total Environment, 2022, , 156467.	3.9	7
1175	Caffeine removal by chitosan/activated carbon composite beads: Adsorption in tap water and synthetic hospital wastewater. Chemical Engineering Research and Design, 2022, 184, 1-12.	2.7	18
1176	Chromium removal capability, water resistance and mechanical behavior of foams based on cellulose nanofibrils with citric acid. Polymer, 2022, 253, 125023.	1.8	6
1177	Multiple pollutants removal by carbon sphere and layered double hydroxide composites: Adsorption behavior and mechanisms. Journal of Environmental Chemical Engineering, 2022, 10, 108014.	3.3	11
1178	Synthesis, characterization and adsorption/sensing applications of novel cadmium(II) based coordination polymer. Journal of Environmental Chemical Engineering, 2022, 10, 107989.	3.3	6
1179	Antibiotic adsorption by natural and modified clay minerals as designer adsorbents for wastewater treatment: A comprehensive review. Journal of Environmental Management, 2022, 317, 115397.	3.8	73
1180	Nonlinear Regression for Treating Adsorption Isotherm Data to Characterize New Sorbents: Advantages Over Linearization Demonstrated with Simulated Data. SSRN Electronic Journal, 0, , .	0.4	0

#	ARTICLE	IF	CITATIONS
1181	An assessment of the lignocellulose-based biosorbents in removing Cr(VI) from contaminated water: A critical review. Results in Chemistry, 2022, 4, 100406.	0.9	5
1182	Potential environmental applications of Helianthus annuus (sunflower) residue-based adsorbents for dye removal in (waste)waters. , 2022, , 307-318.		4
1183	Kinetic, Artificial Neural Network and Statistical Modeling to Optimize the Parameters of the Air Flotation Process to Remove Latex Suspended Solids in Abs Wastewater. SSRN Electronic Journal, 0, , .	0.4	0
1184	Ethylene Adsorption on Activated Carbon Paper Liner: A Model Kinetic Study. IOP Conference Series: Earth and Environmental Science, 2022, 1024, 012022.	0.2	2
1185	Recent Advancements in Cyclodextrin-Based Adsorbents for the Removal of Hazardous Pollutants from Waters. Polymers, 2022, 14, 2341.	2.0	11
1186	Cesium removal from wastewater: High-efficient and reusable adsorbent K <sub>1.93</sub> Ti <sub>0.22</sub> Sn <sub>3</sub> S <sub>6.43</sub> . Chemosphere, 2022, 305, 135406.	4.2	14
1187	Comprehensive understanding of guest compound intercalated layered double hydroxides: Design and applications in removal of potentially toxic elements. Critical Reviews in Environmental Science and Technology, 2023, 53, 457-482.	6.6	2
1188	Clay honeycomb monoliths for the simultaneous retention of lead and cadmium in water. Environmental Technology and Innovation, 2022, 27, 102765.	3.0	3
1189	Batch adsorption and desorption investigations of Cs(I) and Sr(II) from simulated reactor waste by humic acid. , 2022, 1, 100005.		1
1190	Enhanced terahertz sensitivity for glucose detection with a hydrogel platform embedded with Au nanoparticles. Biomedical Optics Express, 2022, 13, 4021.	1.5	2
1191	Comparative Study of the Selective Sorption of Organic Dyes on Inorganic Materials—A Cost-Effective Method for Waste Treatment in Educational and Small Research Laboratories. Separations, 2022, 9, 144.	1.1	6
1192	Efficient extraction of rhenium through demulsification of imidazolium ionic liquid-based microemulsions from aqueous solution. Separation and Purification Technology, 2022, 297, 121574.	3.9	9
1193	Removal of copper ions from alembic <i>cachaa</i> using agro-industrial residues as biosorbents. Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment, 0, , 1-15.	1.1	0
1194	A novel magnetic adsorbent from activated carbon fiber and iron oxide nanoparticles for 2,4-D removal from aqueous medium. Environmental Technology (United Kingdom), 2023, 44, 4219-4237.	1.2	3
1195	Adsorption of Safranin O on halloysite nanotubes: a mechanistic case study for efficient wastewater remediation. International Journal of Environmental Science and Technology, 2023, 20, 5405-5426.	1.8	3
1196	Inhibition of sediment internal phosphorus release in agricultural drainage ditches by ceria nanoparticle capping. Environmental Science and Pollution Research, 2022, 29, 81789-81803.	2.7	2
1197	The nitrogen-doped graphene-like carbon nanosheets: Confined construction and oxygen-limited oxidation for higher removal efficiency toward organic contaminants. Journal of Cleaner Production, 2022, 363, 132604.	4.6	2
1198	Synthesis of hygroscopic sodium alginate-modified graphene oxide: Kinetic, isotherm, and thermodynamic study. European Polymer Journal, 2022, 174, 111333.	2.6	1

#	ARTICLE	IF	CITATIONS
1199	Removal of pharmaceuticals from wastewater: A review of adsorptive approaches, modelling and mechanisms for metformin and macrolides. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 108106.	3.3	26
1200	Errors and inconsistencies in scientific reporting of aqueous phase adsorption of contaminants: A bibliometric study. <i>Cleaner Materials</i> , 2022, 5, 100100.	1.9	1
1201	Sorption vs adsorption: The words they are a-changin', not the phenomena. <i>Science of the Total Environment</i> , 2022, 838, 156545.	3.9	8
1202	Superior adsorption of environmental contaminants onto carbon nitride materials. , 2022, , 111-135.		2
1203	Comparison of Adsorption Capacity and Removal Efficiency of Strontium by Six Typical Adsorption Materials. <i>Sustainability</i> , 2022, 14, 7723.	1.6	6
1204	Differences between Chemical Reaction Kinetics and Adsorption Kinetics: Fundamentals and Discussion. , 2022, , 33-47.		3
1205	Effect of oxidative aging of biochar on relative distribution of competitive adsorption mechanism of Cd <sup>2+</sup> and Pb <sup>2+</sup> . <i>Scientific Reports</i> , 2022, 12, .	1.6	4
1206	Removal of nickel from Ni(II)-NH <sub>3</sub> -SO <sub>2</sub> -CO <sub>2</sub> -H <sub>2</sub> O system by electrocoagulation, sedimentation, and filtration processes. <i>Journal of Electrochemical Science and Engineering</i> , 0, , .	1.6	1
1207	Atrazine adsorption by graphene-based materials: Interaction mechanism and application in real samples. <i>Environmental Technology and Innovation</i> , 2022, 28, 102823.	3.0	10
1208	Investigation of clay brick waste for the removal of copper, nickel and iron from aqueous solution: batch and fixed bed column studies. <i>Heliyon</i> , 2022, 8, e09963.	1.4	4
1209	A novel CO <sub>2</sub> activation at room temperature to prepare an engineered lanthanum-based adsorbent for a sustainable arsenic removal from water. <i>Chemical Engineering Research and Design</i> , 2022, 185, 239-252.	2.7	6
1210	Recovery of Cs-137 from electric arc furnace dust by lixiviation. <i>Case Studies in Chemical and Environmental Engineering</i> , 2022, 6, 100234.	2.9	3
1211	One-pot Economic Synthesis to the Functional Copper Mixed-triazolate MOF Materials Towards an Enhanced Adsorptive Removal of Diclofenac Sodium. <i>ChemistrySelect</i> , 2022, 7, .	0.7	1
1212	Effect of kinetics, pH, aqueous speciation and presence of ferrihydrite on vanadium (V) uptake by allophanic and smectitic clays. <i>Chemical Geology</i> , 2022, 607, 121022.	1.4	7
1213	Bio-inspired membranes for adsorption of arsenic via immobilized L-Cysteine in highly hydrophilic electrospun nanofibers. <i>Chemical Engineering Research and Design</i> , 2022, 185, 108-118.	2.7	16
1214	Synthesis of Ni doped iron oxide colloidal nanocrystal clusters using poly(N-isopropylacrylamide) templates for efficient recovery of cefixime and methylene blue. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 650, 129616.	2.3	5
1215	Magnetic nanosystems substituted with zinc for enhanced antibacterial, drug delivery and cell viability behaviours. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 650, 129629.	2.3	6
1216	Biochar-pesticides interactions: An overview and applications of wood feedstock for atrazine contamination. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 108192.	3.3	15

#	ARTICLE	IF	CITATIONS
1217	Green synthesis of ceramsite from industrial wastes and its application in selective adsorption: Performance and mechanism. <i>Environmental Research</i> , 2022, 214, 113786.	3.7	18
1218	Advances made in removing paraquat herbicide by adsorption technology: A review. <i>Journal of Water Process Engineering</i> , 2022, 49, 102988.	2.6	26
1219	Effect of three aging processes on physicochemical and As(V) adsorption properties of Ce/Mn-modified biochar. <i>Environmental Research</i> , 2022, 214, 113839.	3.7	8
1220	Efficient removal of heavy metal ions by diethylenetriaminepenta (methylene phosphonic) acid-doped hydroxyapatite. <i>Science of the Total Environment</i> , 2022, 849, 157557.	3.9	15
1221	Carbonaceous material prepared by pyrolysis of refinery oily sludge for removal of flotation collectors in wastewater. <i>Environmental Science and Pollution Research</i> , 2022, 29, 90898-90910.	2.7	1
1222	Improper Estimation of Thermodynamic Parameters in Adsorption Studies with Distribution Coefficient ( $K_D$ ) ( $q_e/C_e$ ) or Freundlich Constant ( $K_F$ ): Considerations from the Derivation of Dimensionless Thermodynamic Equilibrium Constant and Suggestions. <i>Adsorption Science and Technology</i> , 2022, .	1.5	37
1223	Changes of the adsorption parameters under the influence of static magnetic field. <i>Journal of Magnetism and Magnetic Materials</i> , 2022, 561, 169731.	1.0	1
1225	Isothermal Modelling of the Adsorption of Cadmium onto Activated Carbon from <i>Tridax procumbens</i> . , 2022, 4, 5-10.		0
1226	Isothermal Modelling of the Adsorption of Lead (II) Onto Activated Carbon from <i>Tridax procumbens</i> . , 2022, 6, 14-18.		0
1227	Zeolite Waste Characterization and Use as Low-Cost, Ecofriendly, and Sustainable Material for Malachite Green and Methylene Blue Dyes Removal: Boxâ€œBehnken Design, Kinetics, and Thermodynamics. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 7587.	1.3	33
1228	Isothermal Modelling of the Adsorption of Lead(II) Onto an Antarctic Sea-Ice Bacterial Exopolysaccharide. , 2022, 10, 23-27.		0
1229	Adsorption of organophosphate pesticides from aqueous solution: a review of recent advances. <i>International Journal of Environmental Science and Technology</i> , 2023, 20, 5845-5894.	1.8	16
1230	Adsorption of Phosphate and Nitrate Ions on Oxidic Substrates Prepared with a Variable-Charge Lithological Material. <i>Water (Switzerland)</i> , 2022, 14, 2454.	1.2	2
1231	Comments on â€œremoval of methylene blue dye from aqueous solution using citric acid modified apricot stoneâ€œ. <i>Chemical Engineering Communications</i> , 0, , 1-6.	1.5	5
1232	Biosorption of lead by a soil isolate <i>Aspergillus neoalliaceus</i> . <i>Archives of Microbiology</i> , 2022, 204, .	1.0	3
1233	Influence of Genipin and Multi-walled Carbon Nanotubes on the Dye Capture Response of CS/PVA Hybrid Hydrogels. <i>Journal of Polymers and the Environment</i> , 2022, 30, 4690-4709.	2.4	4
1234	A Triazine-Based Cationic Covalent Organic Framework as a Robust Adsorbent for Removal of Methyl Orange. <i>Polycyclic Aromatic Compounds</i> , 2023, 43, 5940-5957.	1.4	2
1235	Evaluation the feasibility of using clinoptilolite as a gravel pack in water wells for removal of lead from contaminated groundwater. <i>Environmental Science and Pollution Research</i> , 2023, 30, 4653-4668.	2.7	5

#	ARTICLE	IF	CITATIONS
1236	Adsorption of rhodamine-B by polypyrrole Sn (IV) tungstophosphate nanocomposite cation exchanger: Kinetic-cum-thermodynamic investigations. <i>Separation Science and Technology</i> , 2023, 58, 287-301.	1.3	8
1237	LTA and FAU-X Iron-Enriched Zeolites: Use for Phosphate Removal from Aqueous Medium. <i>Materials</i> , 2022, 15, 5418.	1.3	9
1238	A Novel Ca-Modified Biochar for Efficient Recovery of Phosphorus from Aqueous Solution and Its Application as a Phosphorus Biofertilizer. <i>Nanomaterials</i> , 2022, 12, 2755.	1.9	4
1239	Removal of lead and chromium from solution by organic peels: effect of particle size and bio-adsorbent. <i>Heliyon</i> , 2022, 8, e10275.	1.4	7
1240	Adsorption of methyl violet dye onto a prepared bio-adsorbent from date seeds: isotherm, kinetics, and thermodynamic studies. <i>Heliyon</i> , 2022, 8, e10276.	1.4	76
1241	Vermiculite Modified with Fe <sup>3+</sup> Polyhydroxy Cations Is a Low-Cost and Highly Available Adsorbent for the Removal of Phosphate Ions. <i>Minerals (Basel, Switzerland)</i> , 2022, 12, 1033.	0.8	1
1242	Titan Yellow and Congo Red Removal with Superparamagnetic Iron-Oxide-Based Nanoparticles Doped with Zinc. <i>Magnetochemistry</i> , 2022, 8, 91.	1.0	14
1243	Kinetic Analysis of the Adsorption of Lead(II) onto an Antarctic Sea-Ice Bacterial Exopolysaccharide. , 2022, 5, 11-16.		0
1244	Review on Uranium(VI) Adsorption Capacities From Aqueous Solutions of Hydrogel-Based Biocomposite Adsorbents. <i>Journal of the Institute of Science and Technology</i> , 0, , 1436-1455.	0.3	0
1245	Facile copolymerization synthesis of vinylimidazole/dibromodecane/vinylpyridine polymer with high capacity for selective adsorption of nitrate from water. <i>Journal of Water Process Engineering</i> , 2022, 49, 103052.	2.6	2
1246	Aqueous phase adsorption of aromatic organoarsenic compounds: A review. <i>Journal of Water Process Engineering</i> , 2022, 49, 103059.	2.6	18
1247	Adsorption properties of graphene materials for pesticides: Structure effect. <i>Journal of Molecular Liquids</i> , 2022, 364, 119967.	2.3	9
1248	Interaction mechanism between chlorinated polyfluoroalkyl ether potassium sulfonate (Fâ€“53B) and chromium on different types of soil surfaces. <i>Environmental Pollution</i> , 2022, 311, 119820.	3.7	3
1249	Two-dimensional NiO nanosheets for efficient Congo red adsorption removal. <i>Materials Chemistry and Physics</i> , 2022, 290, 126591.	2.0	6
1250	Recovery of synthetic copper ions by activated carbon from an industrial plastic PVC waste: Equilibrium, dynamic, kinetic and thermodynamic studies. <i>Chemical Physics Letters</i> , 2022, 805, 139949.	1.2	2
1251	Challenges and avenues for acid mine drainage treatment, beneficiation, and valorisation in circular economy: A review. <i>Ecological Engineering</i> , 2022, 183, 106740.	1.6	39
1252	Ti/Si ratio as a tool to tailor the microstructure of titanate-based crystalline phases able to selectively trap strontium over calcium. <i>Journal of Hazardous Materials</i> , 2022, 440, 129755.	6.5	2
1253	Sorption and post-sorption performances of Cd, Pb and Zn onto peat, compost and biochar. <i>Journal of Environmental Management</i> , 2022, 321, 115968.	3.8	14

#	ARTICLE	IF	CITATIONS
1254	Quaternary amine functionalized chitosan for enhanced adsorption of low concentration phosphate to remediate environmental eutrophication. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 653, 129984.	2.3	10
1255	Potential of mercapto montmorillonites for immobilization remediation of Hg-contaminated paddy soil: Perspective from soil environmental quality. <i>Applied Clay Science</i> , 2022, 229, 106661.	2.6	1
1256	Utilisation of adsorption as a resource recovery technique for lithium in geothermal water. <i>Journal of Molecular Liquids</i> , 2022, 365, 120107.	2.3	16
1257	Magnetic double-core@shell MnO <sub>2</sub> @NiFe@DE as a multifunctional scavenger for efficient removal of tetracycline, anionic and cationic dyes. <i>Journal of Colloid and Interface Science</i> , 2022, 628, 769-783.	5.0	22
1258	Nanofibrous filtering membranes modified with sucrose-derived carbonaceous materials for adsorption in batch and fixed bed. <i>Chemical Engineering Journal</i> , 2023, 451, 138557.	6.6	6
1259	Equilibrium and Kinetic Modeling of Crystal Violet Dye Adsorption by a Marine Diatom, <i>Skeletonema costatum</i> . <i>Materials</i> , 2022, 15, 6375.	1.3	14
1260	Tuning of surface structure of porous glass-supported titania with fibrous silica for efficient coupling adsorption-catalysis-resorption desulfurization scheme. <i>Surfaces and Interfaces</i> , 2022, 33, 102264.	1.5	1
1261	Integrated biorefineries for repurposing of food wastes into value-added products. <i>Bioresource Technology</i> , 2022, 363, 127856.	4.8	10
1262	Activated carbon manufacturing via alternative Mexican lignocellulosic biomass and their application in water treatment: Preparation conditions, surface chemistry analysis and heavy metal adsorption properties. <i>Chemical Engineering Research and Design</i> , 2022, 187, 9-26.	2.7	18
1263	Non-conventional processes applied for the removal of pharmaceuticals compounds in waters: A review. <i>Chemical Engineering Research and Design</i> , 2022, 167, 527-542.	2.7	11
1264	In-situ growth of iron oxides with MIL-100(Fe) enhances its adsorption for selenite. <i>Surfaces and Interfaces</i> , 2022, 34, 102325.	1.5	2
1265	Revisiting the extended van't Hoff equation: Comments on 'Highly-efficient nitrogen self-doped biochar for versatile dyes' removal prepared from soybean cake via a simple dual-templating approach and associated thermodynamics', <i>Journal of Cleaner Production</i> , 2022, 373, 133632.	4.6	9
1266	Polyethylenimine-grafted nitrogen-doping magnetic biochar for efficient Cr(VI) decontamination: Insights into synthesis and adsorption mechanisms. <i>Environmental Pollution</i> , 2022, 313, 120103.	3.7	15
1267	An iron-biochar composite from co-pyrolysis of incinerated sewage sludge ash and peanut shell for arsenic removal: Role of silica. <i>Environmental Pollution</i> , 2022, 313, 120115.	3.7	16
1268	Catalytic hydrogenolysis of plastic to liquid hydrocarbons over a nickel-based catalyst. <i>Environmental Pollution</i> , 2022, 313, 120154.	3.7	15
1269	Insight into the removal of vanadium ions from model and real wastewaters using surface grafted zirconia-based adsorbents: Batch experiments, equilibrium and mechanism study. <i>Journal of Environmental Management</i> , 2022, 324, 116306.	3.8	4
1270	Batch adsorption of herbicides from aqueous solution onto diverse reusable materials and granulated activated carbon. <i>Journal of Environmental Management</i> , 2022, 323, 116102.	3.8	15
1271	An overview of equilibrium, kinetic and thermodynamic studies for the sequestration of Maxilon dyes. <i>Cleaner Materials</i> , 2022, 6, 100148.	1.9	10



#	ARTICLE	IF	CITATIONS
1272	Influence of pyrolysis temperature on biochar properties and Cr(VI) adsorption from water with groundnut shell biochars: Mechanistic approach. <i>Environmental Research</i> , 2022, 215, 114243.	3.7	47
1273	MIL-100(Fe) a potent adsorbent of Dacarbazine: Experimental and molecular docking simulation. <i>Chemical Engineering Journal</i> , 2023, 452, 138987.	6.6	33
1274	Unravelling the adsorption mechanism of phenol on zinc oxide at various coverages via statistical physics, artificial neural network modeling and ab initio molecular dynamics. <i>Chemical Engineering Journal</i> , 2023, 452, 139171.	6.6	20
1275	Simultaneous oxidation and adsorption of phosphite by magnetic La <sub>2</sub> (CO <sub>3</sub> ) <sub>3</sub> /CoFe <sub>2</sub> O <sub>4</sub> /biochar composite with peroxymonosulfate. <i>Chemical Engineering Journal</i> , 2023, 451, 138918.	6.6	8
1276	Surface chemistry of alkali-activated materials and how to modify it. , 2022, , 113-140.		1
1277	Ion-imprinted MnO <sub>2</sub> /CoFe <sub>2</sub> O <sub>4</sub> Janus magnetic micromotors synthesized by a lotus pollen template for highly selective recognition and capture of Pb(II) ions. <i>Journal of Materials Chemistry C</i> , 2022, 10, 15524-15531.	2.7	5
1278	Polysaccharide-Composites Materials as Adsorbents for Organic Dyes. <i>Sustainable Textiles</i> , 2022, , 185-238.	0.4	0
1279	Characterization and description of adsorbents and nanomaterials. <i>Interface Science and Technology</i> , 2022, , 199-232.	1.6	1
1280	Surface functionalized poly(vinyl alcohol)-hydroxyl zirconium oxide composite beads for efficient and selective sequestration of phosphate from wastewater. <i>Environmental Science: Water Research and Technology</i> , 2022, 8, 2614-2628.	1.2	1
1281	Remoção do corante azul de metileno de solução aquosa usando biomassa de pele prata de café (coffee silverskin) como bioadsorvente de baixo custo. <i>Revista Materia</i> , 2022, 27, .	0.1	0
1282	3D printable polyethyleneimine based hydrogel adsorbents for heavy metal ions removal. <i>Environmental Science Advances</i> , 2022, 1, 443-455.	1.0	3
1283	Drivers and barriers for productization of alkali-activated materials in environmental technology. , 2022, , 407-426.		1
1284	Kinetic models and thermodynamics of adsorption processes: classification. <i>Interface Science and Technology</i> , 2022, , 65-97.	1.6	18
1285	UO <sub>2</sub> <sup>2+</sup> capture using amidoxime grafting low-cost activated carbon (AO-AC) from solution: Adsorption kinetic, isotherms and interaction mechanism. <i>Inorganica Chimica Acta</i> , 2023, 544, 121226.	1.2	3
1286	Comprehensive study of Acid Yellow 42 adsorption by green synthesized polypyrrole/tannic acid/iron nanocomposites. <i>Separation Science and Technology</i> , 2023, 58, 266-286.	1.3	2
1287	Removal of heavy metals from industrial effluent by development of TiO <sub>2</sub> /AC nanosorbent. <i>International Journal of Environmental Analytical Chemistry</i> , 0, , 1-24.	1.8	2
1288	Adsorption of Mercury on Oxidized Graphenes. <i>Nanomaterials</i> , 2022, 12, 3025.	1.9	8
1289	Thermochemical study of Cr(VI) sequestration onto chemically modified Areca catechu and its recovery by desorptive precipitation method. <i>Heliyon</i> , 2022, 8, e10305.	1.4	10

#	ARTICLE	IF	CITATIONS
1290	An evaluation on S-type adsorption isotherm in the model of crosslinked polyhydroxamates/oxazine dyes/water interactions. <i>Adsorption</i> , 2022, 28, 249-260.	1.4	8
1291	Optimization preparation of biochar from garden waste and quantitative analysis for Cd <sup>2+</sup> adsorption mechanism in aqueous solution. <i>Biomass Conversion and Biorefinery</i> , 0, , .	2.9	7
1292	Formable porous biochar loaded with La-Fe(hydr)oxides/montmorillonite for efficient removal of phosphorus in wastewater: process and mechanisms. <i>Biochar</i> , 2022, 4, .	6.2	15
1293	<i>Bifurcaria bifurcata</i> activated carbon for the adsorption enhancement of Acid Orange 7 and Basic Red 5 dyes: Kinetics, equilibrium and thermodynamics investigations. <i>Energy Nexus</i> , 2022, 7, 100138.	3.3	6
1294	Mercury(II) and lead(II) ions removal using a novel thiol-rich hydrogel adsorbent; PHPAm/Fe <sub>3</sub> O <sub>4</sub> @SiO <sub>2</sub> -SH polymer nanocomposite. <i>Environmental Science and Pollution Research</i> , 2023, 30, 13605-13623.	2.7	9
1295	Current progress in treatment technologies for plastic waste (bisphenol A) in aquatic environment: Occurrence, toxicity and remediation mechanisms. <i>Environmental Pollution</i> , 2022, 315, 120319.	3.7	43
1296	Hybrid magnetic CoFe <sub>2</sub> O <sub>4</sub> @ <sup>3</sup> -Fe <sub>2</sub> O <sub>3</sub> @CTAB nanocomposites as efficient and reusable adsorbents for Remazol Brilliant Blue R dye. <i>Environmental Technology (United Kingdom)</i> , 2024, 45, 581-597.	1.2	2
1297	The Role of Zeolite Structure in Its <sup>2</sup> -cyclodextrin Modification and Tetracycline Adsorption from Aqueous Solution: Characteristics and Sorption Mechanism. <i>Materials</i> , 2022, 15, 6317.	1.3	4
1298	Enhanced Removal of Methylene Blue Dye by Sustainable Biochar Derived from Rice Straw Digestate. <i>Key Engineering Materials</i> , 0, 932, 119-129.	0.4	4
1299	Methyl orange adsorption studies on glutaraldehyde cross-linking chitosan/fluorapatite-based natural phosphate composite. <i>International Journal of Environmental Analytical Chemistry</i> , 0, , 1-17.	1.8	12
1300	Experimental and modelling study of adsorption isotherms of amoxicillin, ampicillin and doripenem on bentonite-chitosan composite. <i>South African Journal of Chemical Engineering</i> , 2023, 43, 38-45.	1.2	9
1302	Persistent organic pollutants in Chinese waterways: Occurrence, remediation, and epidemiological perspectives. <i>Regional Studies in Marine Science</i> , 2022, 56, 102688.	0.4	4
1303	Preparation of Ce/ferroferric oxide/food waste-derived biochar for aqueous Cr(VI) adsorption. <i>Journal of Chemical Technology and Biotechnology</i> , 2023, 98, 168-178.	1.6	1
1304	Adsorption of Methylene Blue, Methyl Orange, and Crystal Violet on Microporous Coconut Shell Activated Carbon and Its Composite with Chitosan: Isotherms and Kinetics. <i>Journal of Polymers and the Environment</i> , 2022, 30, 5274-5289.	2.4	9
1305	Selective removal of mercury ions by functionalized Ti-Zr bimetallic coordination polymers. <i>Chemical Engineering Research and Design</i> , 2022, 168, 123-132.	2.7	11
1306	Catalytic transformation of coconut husk into single-crystal graphite and its application for the removal of antibiotics from wastewater. <i>Chemical Engineering Research and Design</i> , 2022, 188, 96-104.	2.7	5
1307	Adsorption and recovery of phosphate from aqueous solution by katoite: Performance and mechanism. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 655, 130285.	2.3	8
1308	Adsorptive dead-end filtration for removal of Cr(VI) using novel amine modified polyacrylonitrile ultrafiltration membranes. <i>Environmental Science: Water Research and Technology</i> , 2022, 8, 2981-2993.	1.2	2

#	ARTICLE	IF	CITATIONS
1309	Effect of Mn <sup>2+</sup> /Zn <sup>2+</sup> /Fe <sup>3+</sup> Oxy(Hydroxide) Nanoparticles Doping onto Mg-Al-LDH on the Phosphate Removal Capacity from Simulated Wastewater. <i>Nanomaterials</i> , 2022, 12, 3680.	1.9	7
1310	Revisiting the calculation of thermodynamic parameters of adsorption processes from the modified equilibrium constant of the Redlich-Peterson model. <i>Journal of Chemical Technology and Biotechnology</i> , 2023, 98, 462-472.	1.6	7
1311	Application of recurrent neural networks to model the defluoridation process of hydroxyapatite synthesized by simple methods. <i>Separation and Purification Technology</i> , 2023, 305, 122497.	3.9	0
1313	Phosphorus and Heavy Metals Removal from Stormwater Runoff Using Granulated Industrial Waste for Retrofitting Catch Basins. <i>Molecules</i> , 2022, 27, 7169.	1.7	6
1314	Synthesis of a Novel Adsorbing Agent by Coupling Chitosan, $\beta$ -Cyclodextrin, and Cerium Dioxide: Evaluation of Hexavalent Chromium Removal Efficacy from Aqueous Solutions. <i>Sustainability</i> , 2022, 14, 13527.	1.6	1
1315	Selective mercury adsorption and enrichment enabled by phenylic carboxyl functionalized poly(pyrrole methane)s chelating polymers. <i>Science of the Total Environment</i> , 2023, 858, 159870.	3.9	4
1316	Agro-Industrial Waste as Potential Heavy Metal Adsorbents and Subsequent Safe Disposal of Spent Adsorbents. <i>Water (Switzerland)</i> , 2022, 14, 3298.	1.2	11
1317	Efficient Sequestration of Cr(VI) from Aqueous Solution Using Biosorbent Derived from <i>Arundo donax</i> Stem. <i>Journal of Chemistry</i> , 2022, 2022, 1-12.	0.9	5
1318	Ni <sup>2+</sup> and Cu <sup>2+</sup> Biosorption by EPS-Producing <i>Serratia plymuthica</i> Strains and Potential Bio-Catalysis of the Organo-Metal Complexes. <i>Water (Switzerland)</i> , 2022, 14, 3410.	1.2	0
1319	Lanthanum modified chitosan-attapulgite composite for phosphate removal from water: Performance, mechanisms and applicability. <i>International Journal of Biological Macromolecules</i> , 2023, 224, 984-997.	3.6	13
1320	Characterizing and modeling of oak fruit shells biochar as an adsorbent for the removal of Cu, Cd, and Zn in single and in competitive systems. <i>Chemical Engineering Research and Design</i> , 2022, 188, 972-987.	2.7	17
1321	Phosphate adsorption improvement using a novel adsorbent by CaFe/LDH supported onto CO <sub>2</sub> activated biochar. <i>Water Science and Technology</i> , 2022, 86, 2396-2414.	1.2	5
1322	Synthesis of porous hydroxysodalite from aluminosilicate rich clay soils: application towards fluoride and pathogen removal. <i>Environmental Science and Pollution Research</i> , 0, , .	2.7	2
1323	Evaluation of the use of adsorbents based on graphene oxide and cellulose for Cr(VI) adsorption. <i>Chemical Engineering Communications</i> , 2023, 210, 1675-1693.	1.5	0
1324	Physical and Chemical Regularities of Phosphorus and Beryllium Recovery by the Sorbents Based on Acrylic Fiber Impregnated by Iron Hydroxide (III). <i>Processes</i> , 2022, 10, 2010.	1.3	6
1325	Therapeutic Drug Naproxen Pollution Removal by the Acid Digested Carbon of Waste Leathers. <i>Oriental Journal of Chemistry</i> , 2022, 38, 1227-1235.	0.1	0
1326	Evaluation of hydrochar from peach stones for caffeine removal from aqueous medium and treatment of a synthetic mixture. <i>Environmental Technology (United Kingdom)</i> , 2024, 45, 1141-1154.	1.2	3
1327	Construction of the composites of nitrogen and sulfur-doped porous carbon and layered double hydroxides and the synergistic removal of heavy metal pollutants. <i>Advanced Powder Technology</i> , 2022, 33, 103824.	2.0	4

#	ARTICLE	IF	CITATIONS
1328	Rapid synthesis and optimization of UV-photopolymerized cassava starch-based superabsorbent hydrogels as a biodegradable, low-cost, and effective adsorbent for MB removal. <i>Journal of Industrial and Engineering Chemistry</i> , 2023, 118, 53-69.	2.9	19
1329	Removal of perfluoroalkyl acids and common drinking water contaminants by weak-base anion exchange resins: Impacts of solution pH and resin properties. <i>Water Research X</i> , 2022, , 100159.	2.8	4
1330	Mechanism and Kinetics of Low Concentration Total Phosphorus and Reactive Phosphate Recovery from Aquaculture Wastewater via Calcined Eggshells. <i>Water, Air, and Soil Pollution</i> , 2022, 233, .	1.1	3
1331	Degradation of phenol by ball-milled activated carbon (ACBM) activated dual oxidant (persulfate/calcium peroxide) system: Effect of preadsorption and sequential injection. <i>Chemosphere</i> , 2023, 312, 137120.	4.2	11
1332	Recyclable and high-performance metal coordination bonds cross-linked polybenzimidazole aerogels for flame retardancy, thermal insulation and dyes adsorption applications. <i>Composites Part A: Applied Science and Manufacturing</i> , 2022, 163, 107253.	3.8	4
1333	Effective adsorption and catalytic reduction of nitrophenols by amino-rich Cu(I)-I coordination polymer. <i>Chemosphere</i> , 2023, 311, 136903.	4.2	8
1334	Adsorption of recalcitrant contaminants of emerging concern onto activated carbon: A laboratory and pilot-scale study. <i>Journal of Environmental Management</i> , 2023, 325, 116489.	3.8	5
1335	Reusable hydrogels based on lignosulfonate and cationic polymer for the removal of Cr(VI) from wastewater. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2023, 656, 130359.	2.3	9
1336	Adsorption performance of <i>Enterobacter cloacae</i> towards U(VI) ion and application of <i>Enterobacter cloacae</i> /carbon nanotubes to preconcentration and determination of low-levels of U(VI) in water samples. <i>Chemosphere</i> , 2023, 311, 136804.	4.2	18
1337	Insights into manganese ferrite anchored graphene oxide to remove Cd(II) and U(VI) via batch and semi-batch columns and its potential antibacterial applications. <i>Chemosphere</i> , 2023, 310, 136888.	4.2	22
1338	Producing bacterial nano-cellulose and keratin from wastes to synthesize keratin/cellulose nanobiocomposite for removal of dyes and heavy metal ions from waters and wastewaters. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2023, 656, 130355.	2.3	31
1339	Synthesis of crown ether-based microporous organic networks: A new type of efficient adsorbents for chlorophenols. <i>Journal of Hazardous Materials</i> , 2023, 443, 130268.	6.5	9
1340	Recent advances of magnetite nanomaterials to remove arsenic from water. <i>RSC Advances</i> , 2022, 12, 32197-32209.	1.7	18
1341	Adsorption properties and mechanism of zinc acrylic carbon nanosphere aggregates for perfluorooctanoic acid from aqueous solution. <i>Environmental Pollution</i> , 2023, 316, 120540.	3.7	4
1342	Various hydrogen bonds make different fates of pharmaceutical contaminants on oxygen-rich nanomaterials. <i>Environmental Pollution</i> , 2023, 316, 120572.	3.7	4
1343	Sorption studies of Pb(II) onto montmorillonite clay. <i>IOP Conference Series: Earth and Environmental Science</i> , 2022, 1087, 012007.	0.2	0
1344	Treatment of Water Contaminated with Non-Steroidal Anti-Inflammatory Drugs Using Peroxymonosulfate Activated by Calcined Melamine@magnetite Nanoparticles Encapsulated into a Polymeric Matrix. <i>Molecules</i> , 2022, 27, 7845.	1.7	1
1345	Photocatalysis and adsorption kinetics of azo dyes by nanoparticles of nickel oxide and copper oxide and their nanocomposite in an aqueous medium. <i>PeerJ</i> , 0, 10, e14358.	0.9	9

#	ARTICLE	IF	CITATIONS
1346	Highly efficient unsymmetrical dimethylhydrazine removal from wastewater using MIL-53(Al)-derived carbons: Adsorption performance and mechanisms exploration. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 108975.	3.3	5
1347	Improved Adsorption of the Toxic Herbicide Diuron Using Activated Carbon Obtained from Residual Cassava Biomass ( <i>Manihot esculenta</i> ). <i>Molecules</i> , 2022, 27, 7574.	1.7	14
1348	Molecular aggregation effect on the antagonistic adsorption of pharmaceuticals from aqueous solution using bone char: DFT calculations and multicomponent experimental studies. <i>Journal of Molecular Liquids</i> , 2023, 369, 120957.	2.3	1
1349	Selective Pd recovery from acidic leachates by 3-mercaptopropylphosphonic acid grafted TiO <sub>2</sub> : does surface coverage correlate to performance?. <i>RSC Advances</i> , 2022, 12, 36046-36062.	1.7	2
1350	One pot synthesis of Cu@Ni@S@Ni foam for the simultaneous removal and detection of norfloxacin. <i>Journal of Cleaner Production</i> , 2023, 382, 135385.	4.6	4
1351	Synthesis of imine-linked covalent organic frameworks and their adsorption properties for flavonoids. <i>Microporous and Mesoporous Materials</i> , 2023, 348, 112333.	2.2	6
1352	Enhanced adsorption capacity of activated carbon over thermal oxidation treatment for methylene blue removal: kinetics, equilibrium, thermodynamic, and reusability studies. <i>RSC Advances</i> , 2022, 13, 220-227.	1.7	7
1353	Adsorption behaviors and mechanisms by theoretical study of herbicide 2,4,5-Trichlorophenoxyacetic on activated carbon as a new biosorbent material. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2023, 142, 104640.	2.7	14
1354	Controlled design of Na@P1 zeolite/ porous carbon composites from coal gasification fine slag for high-performance adsorbent. <i>Environmental Research</i> , 2023, 217, 114912.	3.7	13
1355	Comparative characteristics and enhanced removal of tetracycline and ceftriaxone by Fe <sub>3</sub> O <sub>4</sub> -lignin and Fe <sub>3</sub> O <sub>4</sub> -carbon-based lignin: Mechanism, thermodynamic evaluation, and DFT calculation. <i>Journal of Molecular Liquids</i> , 2023, 371, 121075.	2.3	8
1356	Jujube stones based highly efficient activated carbon for methylene blue adsorption: Kinetics and isotherms modeling, thermodynamics and mechanism study, optimization via response surface methodology and machine learning approaches. <i>Chemical Engineering Research and Design</i> , 2023, 170, 513-535.	2.7	40
1357	Novel three-dimensional graphene oxide modified with hyper-branched dendrimer for removal of cephalexin from aqueous solutions by applying Taguchi statistical method. <i>Inorganic Chemistry Communication</i> , 2023, 148, 110308.	1.8	3
1358	Adsorption of naphthalene and its derivatives onto high-density polyethylene microplastic: Computational, isotherm, thermodynamic, and kinetic study. <i>Environmental Pollution</i> , 2023, 318, 120919.	3.7	5
1359	Evaluation of a graphitic porous carbon modified with iron oxides for atrazine environmental remediation in water by adsorption. <i>Environmental Research</i> , 2023, 219, 115054.	3.7	12
1360	Removal of manganese from water by modified groundwater plant sludge: Mechanism and application as filter media. <i>Journal of Water Process Engineering</i> , 2023, 51, 103418.	2.6	4
1361	Critical Review and Discussion of the Nonlinear Form of Radke-Prausnitz Model in Adsorption Solid-Liquid Phases. <i>Journal of Environmental Engineering, ASCE</i> , 2023, 149, .	0.7	8
1362	On the development of a consistent mathematical model for adsorption in a packed column (and why) <i>Tj ETQq0 0 0 rgBT /Overlock 10 1</i>	2.5	8
1363	Thermochemical sorption heat storage: Investigate the heat released from activated carbon beads used as porous host matrix for MgSO <sub>4</sub> salt. <i>Journal of Energy Storage</i> , 2023, 59, 106452.	3.9	10

#	ARTICLE	IF	CITATIONS
1364	Electrospun nanofibrous poly(ether-block-amide) membrane for removing biogenic amines in acidic wastewater from the yellow rice wine factory. <i>Science of the Total Environment</i> , 2023, 862, 160720.	3.9	1
1365	Graphene-based materials for effective adsorption of organic and inorganic pollutants: A critical and comprehensive review. <i>Science of the Total Environment</i> , 2023, 863, 160871.	3.9	47
1366	Insights into the adsorption performance and separation mechanisms for CO <sub>2</sub> and CO on NaX and CaA zeolites by experiments and simulation. <i>Fuel</i> , 2023, 337, 127179.	3.4	7
1367	Fe <sub>12</sub> LaO <sub>19</sub> fabricated biochar for removal of phosphorus in water and exploration of its adsorption mechanism. <i>Journal of Environmental Management</i> , 2023, 329, 117053.	3.8	12
1368	The possibility of using phillipsite for water purification. <i>AIP Conference Proceedings</i> , 2022, , .	0.3	0
1369	Investigating phosphate-adsorption behaviour on a real ferrallitic-ferritic soil using a pluralistic approach under non-controlled conditions. <i>Soil Research</i> , 2022, , .	0.6	0
1370	Covalent organic frameworks as promising materials for the removal of metal and organic pollutants from water. <i>Materials Today Sustainability</i> , 2023, 21, 100279.	1.9	11
1371	Preparation of biochar/layered double hydroxide@alginate aerogel as a highly efficient adsorbent for Cu <sup>2+</sup> and Cd <sup>2+</sup> . <i>Journal of Applied Polymer Science</i> , 2023, 140, .	1.3	2
1373	Synthesis of stable flowerlike MgAl-LDH@MIL-88A and its adsorption performance for fluoride. <i>Journal of Chemical Research</i> , 2022, 46, 174751982211066.	0.6	0
1374	A Review on Superadsorbents with Adsorption Capacity $\geq 1000$ mg g <sup>-1</sup> and Perspectives on Their Upscaling for Water/Wastewater Treatment. <i>Sustainability</i> , 2022, 14, 16927.	1.6	0
1375	How $\beta$ -cyclodextrin-loaded mesoporous SiO <sub>2</sub> nanospheres ensure efficient adsorption of rifampicin. <i>Frontiers in Chemistry</i> , 0, 10, .	1.8	3
1376	Three dimensional BC/rGA aerogel: preparation, characterization, and adsorption of Cr(VI). <i>Biochar</i> , 2022, 4, .	6.2	6
1377	Appraising the performance of oil palm fibre biochar for low concentration ammoniacal nitrogen recovery from aquaculture wastewater. <i>Environmental Technology (United Kingdom)</i> , 0, , 1-13.	1.2	1
1378	Is it Possible to Draw Conclusions (Adsorption is Chemisorption) Based on Fitting Between Kinetic Models (Pseudo-Second-Order or Elovich) and Experimental Data of Time-Dependent Adsorption in Solid-Liquid Phases?. <i>Recent Innovations in Chemical Engineering</i> , 2022, 15, 228-230.	0.2	1
1379	Effect of Unavoidable Ion (Ca <sup>2+</sup> ) in Pulp on the Dispersion Behavior of Fine Smithsonite. <i>Molecules</i> , 2022, 27, 9026.	1.7	0
1380	Stable and recyclable lanthanum hydroxide-doped graphene oxide biopolymer foam for superior aqueous arsenate removal: Insight mechanisms, batch, and column studies. <i>Chemosphere</i> , 2023, 313, 137615.	4.2	7
1381	Insights into the pH-Dependent Adsorption Behavior of Ionic Dyes on Phosphoric Acid-Activated Biochar. <i>ACS Omega</i> , 2022, 7, 46288-46302.	1.6	8
1382	Removal of Reactive Black Dye in Water by Magnetic Mesoporous Carbon from Macadamia Nutshell. <i>Adsorption Science and Technology</i> , 2022, 2022, .	1.5	5



#	ARTICLE	IF	CITATIONS
1383	Layered metal sulfide NMTS for rapid removal of radioactive strontium ions from aqueous solution. Separation and Purification Technology, 2023, 310, 122887.	3.9	10
1384	Facile Fabrication of Amino Functionalized Magnetic Multi-walled Carbon Nanotubes for Removal of Congo Red from Aqueous Solutions. Water, Air, and Soil Pollution, 2022, 233, .	1.1	1
1385	Mechanism of amoxicillin adsorption by ferrihydrites: Experimental and computational approaches. Journal of Molecular Liquids, 2023, 373, 121202.	2.3	4
1386	Adsorption Characteristics for Cu(II) and Phosphate in Chitosan Beads under Single and Mixed Conditions. Polymers, 2023, 15, 421.	2.0	1
1387	The brown marine algae <i>Laminaria digitata</i> for the outstanding biosorption of methylene blue and reactive blue 19 dyes: kinetics, equilibrium, thermodynamics, regeneration, and mechanism studies. Nanotechnology for Environmental Engineering, 2023, 8, 317-332.	2.0	1
1388	Ag(I) Biosorption and Green Synthesis of Silver/Silver Chloride Nanoparticles by <i>Rhodotorula mucilaginosa</i> 1S1. Nanomaterials, 2023, 13, 295.	1.9	3
1389	Effect of Metal Atom in Zeolitic Imidazolate Frameworks (ZIF-8 & 67) for Removal of Dyes and Antibiotics from Wastewater: A Review. Catalysts, 2023, 13, 155.	1.6	25
1390	Development of dopamine-based magnetite nanocomposite for effective harvesting of <i>Chlorella sorokiniana</i> Kh12 biomass. Environmental Technology and Innovation, 2023, 29, 103008.	3.0	7
1391	Mistakes in concepts, principles, and writing scientific names in biology textbooks of closed seed plants topic. AIP Conference Proceedings, 2023, , .	0.3	0
1392	Optimized preparation of gangue waste-based geopolymer adsorbent based on improved response surface methodology for Cd(II) removal from wastewater. Environmental Research, 2023, 221, 115246.	3.7	9
1393	Study of Adsorption Thermodynamics of Model Naphthenic Acids for Determining Adsorption Mechanism Using Commercially Viable Petroleum Coke-Activated Carbon. , 2023, , 265-267.		0
1394	Copper Recovery from Aqueous Solutions by Hemp Shives: Adsorption Studies and Modeling. Processes, 2023, 11, 191.	1.3	5
1395	Adsorption Performance of Zeolite for the Removal of Congo Red Dye: Factorial Design Experiments, Kinetic, and Equilibrium Studies. Separations, 2023, 10, 57.	1.1	25
1396	Removal of COD and color from textile industrial wastewater using wheat straw activated carbon: an application of response surface and artificial neural network modeling. Environmental Science and Pollution Research, 2023, 30, 41073-41094.	2.7	7
1397	Potential of superparamagnetic iron oxide nanoparticles coated with carbon dots as a magnetic nanoadsorbent for DNA isolation. Chemical Engineering Research and Design, 2023, 190, 580-589.	2.7	6
1398	Facile synthesis of triazine-based microporous organic network for high-efficient adsorption of flumequine and nadifloxacin: A comprehensive study on adsorption mechanisms and practical application potentials. Chemosphere, 2023, 315, 137731.	4.2	4
1399	Synthesis of piliostigma reticulatum decorated TiO <sub>2</sub> based composite and its application towards Cr(VI) adsorption and bromophenol blue degradation: Nonlinear kinetics, equilibrium modelling and optimisation photocatalytic parameters. Journal of Environmental Chemical Engineering, 2023, 11, 109273.	3.3	10
1400	Simultaneous adsorption and fluorescent detection of Cr(VI) via lanthanide coordinating polymeric porous microparticles. Chemical Engineering Journal, 2023, 457, 141214.	6.6	21

#	ARTICLE	IF	CITATIONS
1401	A critical review of adsorption isotherm models for aqueous contaminants: Curve characteristics, site energy distribution and common controversies. <i>Journal of Environmental Management</i> , 2023, 329, 117104.	3.8	47
1402	Remediation methods of heavy metal contaminated soils from environmental and geotechnical standpoints. <i>Science of the Total Environment</i> , 2023, 867, 161468.	3.9	27
1403	Efficient uranium(VI) adsorption platform based on graphene oxide-supported $Ti_xAl_{1-x}O_y$ bimetallic oxide. <i>Applied Surface Science</i> , 2023, 615, 156337.	3.1	8
1404	Effect of combined aging treatment on biochar adsorption and speciation distribution for Cd(II). <i>Science of the Total Environment</i> , 2023, 867, 161593.	3.9	15
1405	Facile Hydrothermal Synthesis of $Cu_2MoS_4$ and $FeMoS_4$ for Efficient Adsorption of Chlorotetracycline. <i>Catalysts</i> , 2023, 13, 61.	1.6	0
1406	Dye sequestration from aqueous phase using natural and synthetic adsorbents in batch mode: present status and future perspectives. <i>International Journal of Environmental Science and Technology</i> , 2023, 20, 14033-14052.	1.8	6
1407	Preconcentration and Removal of Pb(II) Ions from Aqueous Solutions Using Graphene-Based Nanomaterials. <i>Materials</i> , 2023, 16, 1078.	1.3	2
1408	Evaluation of the Biostability of <i>Elodea (Egeria densa)</i> and Orange Peel as Bioadsorbent Materials for Pb (II) and Cr (III) in Solution. <i>Ingenieria E Investigacion</i> , 2022, 43, e95432.	0.2	0
1409	Remediation of water tainted with noxious hexavalent chromium using cetylpyridinium-modified bagasse biomass: adsorption and regeneration studies. <i>Environmental Science and Pollution Research</i> , 2023, 30, 44148-44160.	2.7	1
1410	Performance of a Combined Bacteria/Zeolite Permeable Barrier on the Rehabilitation of Wastewater Containing Atrazine and Heavy Metals. <i>Processes</i> , 2023, 11, 246.	1.3	4
1411	$\beta$ -Cyclodextrin functionalized adsorbents for removal of organic micropollutants from water. <i>Chemosphere</i> , 2023, 320, 137964.	4.2	11
1412	L-Lysine-Coated Magnetic Core-Shell Nanoparticles for the Removal of Acetylsalicylic Acid from Aqueous Solutions. <i>Nanomaterials</i> , 2023, 13, 514.	1.9	4
1413	Predictive Model Based on K-Nearest Neighbor Coupled with the Gray Wolf Optimizer Algorithm (KNN_GWO) for Estimating the Amount of Phenol Adsorption on Powdered Activated Carbon. <i>Water (Switzerland)</i> , 2023, 15, 493.	1.2	12
1415	Preparation and characterization of clay-oyster shell composite adsorption material and its application in phosphorus removal from wastewater. <i>Sustainable Chemistry and Pharmacy</i> , 2023, 32, 101023.	1.6	3
1416	A review of the adsorption method for norfloxacin reduction from aqueous media. <i>MethodsX</i> , 2023, 10, 102180.	0.7	17
1417	Rapid and effective removal of strontium ions from aqueous solutions by a novel layered metal sulfide NaTS-2. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2023, 332, 2367-2378.	0.7	3
1418	Removal of Mn (II) from aqueous solution via biosorption technology for a drinking water treatment plant: from laboratory-scale tests to semi-industrial scale predictions. <i>Chemical Engineering Research and Design</i> , 2023, , .	2.7	1
1419	Pyrolysis of Ca/Fe-rich antibiotic fermentation residues into biochars for efficient phosphate removal/recovery from wastewater: Turning hazardous waste to phosphorous fertilizer. <i>Science of the Total Environment</i> , 2023, 869, 161732.	3.9	18

#	ARTICLE	IF	CITATIONS
1420	Sustainable nanocomposite porous absorbent and membrane sieves: Definition, classification, history, properties, synthesis, applications, and future prospects. <i>Journal of Environmental Chemical Engineering</i> , 2023, 11, 109367.	3.3	4
1421	Biosorption of toxic metal ions ( $\text{Cr}^{+6}$ , $\text{Cd}^{+2}$ ) and nutrients ( $\text{PO}_4^{3-}$ ) from aqueous solution by diatom biomass. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2023, 58, 483-497.	0.9	2
1422	Green-Engineered Barrier Creams with Montmorillonite-Chlorophyll Clays as Adsorbents for Benzene, Toluene, and Xylene. <i>Separations</i> , 2023, 10, 237.	1.1	6
1423	One-step self-assembly of Fe-biochar composite for enhanced persulfate activation to phenol degradation: Different active sites-induced radical/non-radical mechanism. <i>Chemosphere</i> , 2023, 322, 138168.	4.2	7
1424	Decoration of polylactic acid on graphene oxide for efficient adsorption of methylene blue and tetracycline. <i>Chemosphere</i> , 2023, 322, 138219.	4.2	13
1425	Removal of highly concentrated methylene blue dye by cellulose nanofiber biocomposites. <i>International Journal of Biological Macromolecules</i> , 2023, 238, 124045.	3.6	7
1426	Fly ash and $\text{TiO}_2$ modified fly ash as adsorbing materials for removal of $\text{Cd}(\text{II})$ and $\text{Pb}(\text{II})$ from aqueous solutions. <i>Journal of Hazardous Materials Advances</i> , 2023, 10, 100256.	1.2	5
1427	Constructing hierarchical structures of Pd catalysts to realize reaction pathway regulation of furfural hydroconversion. <i>Journal of Catalysis</i> , 2023, 421, 30-44.	3.1	14
1428	Investigating bisulfide sorption onto bentonite through laboratory batch experiments. <i>Applied Geochemistry</i> , 2023, 152, 105626.	1.4	0
1429	Ultra-high adsorption of CR from aqueous solution using LDHs decorated magnetic hydrochar: Selectivity and anti-interference exploration. <i>Separation and Purification Technology</i> , 2023, 313, 123438.	3.9	4
1430	Synthesis, characterization, DFT studies, and adsorption properties of sulfonated starch synthesized in deep eutectic solvent. <i>International Journal of Biological Macromolecules</i> , 2023, 238, 124083.	3.6	1
1431	Weathering effect triggers the sorption enhancement of microplastics against oxybenzone. <i>Environmental Technology and Innovation</i> , 2023, 30, 103112.	3.0	12
1432	Mathematical analysis of a Sips-based model for column adsorption. <i>Physica D: Nonlinear Phenomena</i> , 2023, 448, 133690.	1.3	7
1433	Mechanism, interfacial interactions and thermodynamics of the monolayer adsorption of trace geogenic pollutants from water using mil metal-organic frameworks: Fluorides and arsenates. <i>Journal of Molecular Liquids</i> , 2023, 380, 121665.	2.3	4
1434	Super facile one-step synthesis of sugarcane bagasse derived N-doped porous biochar for adsorption of ciprofloxacin. <i>Journal of Environmental Management</i> , 2023, 335, 117566.	3.8	11
1435	Adsorption of $\text{Pb}(\text{II})$ from wastewater using a red mud modified rice-straw biochar: Influencing factors and reusability. <i>Environmental Pollution</i> , 2023, 326, 121405.	3.7	20
1436	A novel tetrafluoroterephthalonitrile-crosslinked quercetin/chitosan adsorbent and its adsorption properties for dyes. <i>Journal of Molecular Structure</i> , 2023, 1282, 135150.	1.8	5
1437	Adsorption of $\text{La}^{3+}$ onto trifluoroacetic acid modified $\text{UiO-66-COOH}$ : Adsorption mechanism and application. <i>Materials Chemistry and Physics</i> , 2023, 301, 127535.	2.0	4

#	ARTICLE	IF	CITATIONS
1438	Adsorption of diclofenac onto Fe <sub>2</sub> O <sub>3</sub> -pillared montmorillonite: Equilibrium, kinetics and thermodynamic studies. <i>Journal of Molecular Liquids</i> , 2023, 380, 121725.	2.3	3
1439	A simple protocol to functionalize whole pine needles biowaste for effective and selective methylene blue adsorption. <i>Bioresource Technology Reports</i> , 2023, 22, 101417.	1.5	5
1440	Characterization and applicability of the natural Iraqi bentonite clay for toxic cationic dye removal: Adsorption kinetic and isotherm study. <i>Journal of King Saud University - Science</i> , 2023, 35, 102630.	1.6	14
1441	Design of organically modified sepiolite and its use as adsorbent for hazardous Malachite Green dye removal from water. <i>Water, Air, and Soil Pollution</i> , 2023, 234, .	1.1	20
1442	Adsorption data modeling and analysis under scrutiny: A clarion call to redress recently found troubling flaws. <i>Chemical Engineering Research and Design</i> , 2023, 192, 371-388.	2.7	5
1443	Facile synthesis of acid catalyzed sulfonic acid-amide functionalized magnetic sodium alginate and its efficient adsorption for ciprofloxacin and moxifloxacin. <i>Journal of Cleaner Production</i> , 2023, 391, 136122.	4.6	18
1444	Phosphate adsorption using calcium aluminate decahydrate to achieve low phosphate concentrations: Batch and fixed-bed column studies. <i>Journal of Environmental Chemical Engineering</i> , 2023, 11, 109377.	3.3	7
1445	Thallium removal from wastewater using sulfidized zero-valent manganese: Effects of sulfidation method and liquid nitrogen pretreatment. <i>Chemosphere</i> , 2023, 318, 137971.	4.2	7
1446	Characterization and sorption study of Zn <sub>2</sub> [FeAl]-CO <sub>3</sub> layered double hydroxide for Cu(II) and Pb(II) removal. <i>Journal of Solid State Chemistry</i> , 2023, 320, 123869.	1.4	11
1447	Critical review of adsorption and biodegradation mechanisms for removal of biogenic taste and odour compounds in granular and biological activated carbon contactors. <i>Journal of Water Process Engineering</i> , 2023, 52, 103518.	2.6	7
1448	Selective removal of La(III) from mine tailwater using porous titanium phosphate monolith: Adsorption behavior and mechanism. <i>Journal of Environmental Chemical Engineering</i> , 2023, 11, 109409.	3.3	4
1449	Adsorption of Fluoroquinolone Antibiotics from Water and Wastewater by Colemanite. <i>International Journal of Environmental Research and Public Health</i> , 2023, 20, 2646.	1.2	4
1450	Magnetic CoFe <sub>2</sub> O <sub>4</sub> @HAp-GQDs nanocomposites for removal of Brilliant crystal blue dye using FCCD optimization and adsorption characterization. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2023, 290, 116290.	1.7	8
1451	Effective biosorption of As(V) from polluted water using Fe(III)-modified Pomelo ( <i>Citrus maxima</i> ) peel: A batch, column, and thermodynamic study. <i>Heliyon</i> , 2023, 9, e13465.	1.4	1
1452	Selective adsorption of Pb (II) and Cu (II) on mercapto-functionalized aerogels: Experiments, DFT studies and LCA analysis. <i>Journal of Cleaner Production</i> , 2023, 393, 136126.	4.6	14
1453	A systematic review of metal organic frameworks materials for heavy metal removal: Synthesis, applications and mechanism. <i>Chemical Engineering Journal</i> , 2023, 460, 141710.	6.6	55
1454	Graphene-Based Nanomaterials for Water Remediation Applications. , 2022, , 1-26.		0
1455	Nitrogen-Rich Polyaniline-Based Activated Carbon for Water Treatment: Adsorption Kinetics of Anionic Dye Methyl Orange. <i>Polymers</i> , 2023, 15, 806.	2.0	7

#	ARTICLE	IF	CITATIONS
1456	Potentiality of Rod-Type Chitosan Adsorbent Derived from Sewage Sludge. <i>Applied Sciences</i> (Switzerland), 2023, 13, 2055.	1.3	2
1457	On validity, physical meaning, mechanism insights and regression of adsorption kinetic models. <i>Journal of Molecular Liquids</i> , 2023, 376, 121416.	2.3	43
1458	Combined molecular dynamics simulations and experimental studies of the removal of cationic dyes on the eco-friendly adsorbent of activated carbon decorated montmorillonite Mt@AC. <i>RSC Advances</i> , 2023, 13, 5027-5044.	1.7	36
1459	Challenges of aerobic granular sludge utilization: Fast start-up strategies and cationic pollutant removal. <i>Heliyon</i> , 2023, 9, e13503.	1.4	6
1460	Fluoride ion adsorption isotherms, kinetics, and thermodynamics on iron(III) oxyhydroxide powders containing cellulose nanofibrils. <i>Environmental Science and Pollution Research</i> , 2023, 30, 48201-48210.	2.7	4
1461	Adsorption of lead and tetracycline in aqueous solution by magnetic biomimetic bone composite. <i>Polymer Bulletin</i> , 2024, 81, 297-315.	1.7	0
1462	Potential of montmorillonite and humus-like substances modified montmorillonite for remediation of Pb and Zn-contaminated soils. <i>Applied Clay Science</i> , 2023, 234, 106853.	2.6	2
1463	The effects of soil properties and sorbent amendments on immobilization of perfluorooctane sulfonate (PFOS) in contrasting soils: Experimental and numerical study. <i>Journal of Environmental Chemical Engineering</i> , 2023, 11, 109509.	3.3	0
1464	Unveiling the performance of a novel alkalizing bacterium <i>Enterobacter</i> sp. LYX-2 in immobilization of available Cd. <i>Journal of Environmental Sciences</i> , 2024, 137, 245-257.	3.2	4
1465	Influence of different nanocomposite carbon-based adsorbents on the adsorption desulfurization of dibenzothiophene in model oil and diesel fuel: a comparative study. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2023, 136, 919-936.	0.8	0
1466	Removal of chromium (VI) and bisphenol A from water using a novel spoiled milk-derived adsorbent: material characterisation and adsorption mechanisms. <i>International Journal of Environmental Analytical Chemistry</i> , 0, , 1-20.	1.8	3
1467	Study of the Influence of the Wastewater Matrix in the Adsorption of Three Pharmaceuticals by Powdered Activated Carbon. <i>Molecules</i> , 2023, 28, 2098.	1.7	4
1468	Valorization of food waste digestate to ash and biochar composites for high performance adsorption of methylene blue. <i>Journal of Cleaner Production</i> , 2023, 397, 136612.	4.6	22
1469	Adsorption performance of phosphate in water by mixed precursor base geopolymers. <i>Journal of Contaminant Hydrology</i> , 2023, 255, 104166.	1.6	8
1470	Preparation of new CaFeAl-layered doubled hydroxides adsorbent for Cr(VI) adsorption from polyaluminum chloride residue. <i>Clean Technologies and Environmental Policy</i> , 2023, 25, 2055-2069.	2.1	1
1472	Effect of Doping TiO <sub>2</sub> NPs with Lanthanides (La, Ce and Eu) on the Adsorption and Photodegradation of Cyanide – A Comparative Study. <i>Nanomaterials</i> , 2023, 13, 1068.	1.9	9
1473	In situ immobilization of ZIF-8 on sodium lignosulfonate/chitosan foams for the efficient removal of ciprofloxacin from water. <i>Cellulose</i> , 2023, 30, 4353-4371.	2.4	4
1474	Cost-Effective Natural Adsorbents for Remediation of Oil-Contaminated Water. <i>Water</i> (Switzerland), 2023, 15, 1186.	1.2	4

#	ARTICLE	IF	CITATIONS
1475	Highly Efficient Removal of Alizarin Yellow R Dye from Aqueous Solution Using a Synthetic Hydrocalumite-Type LDH (CaAl <sub>2</sub> (OH) <sub>6</sub> (NO <sub>3</sub> ). Journal of Inorganic and Organometallic Polymers and Materials, 2023, 33, 1517-1526.	1.9	3
1476	Applying Linear Forms of Pseudo-Second-Order Kinetic Model for Feasibly Identifying Errors in the Initial Periods of Time-Dependent Adsorption Datasets. Water (Switzerland), 2023, 15, 1231.	1.2	9
1477	Development of composite optical waveguide based on azobenzene-modified titanium metal-organic framework film for study of gas adsorption kinetics. Journal of Chemical Physics, 2023, 158, .	1.2	2
1478	Amazon raw clay as a precursor of a clay-based adsorbent: experimental study and DFT analysis for the adsorption of Basic Yellow 2 dye. Environmental Science and Pollution Research, 2023, 30, 62602-62624.	2.7	2
1479	Efficient Removal of Congo Red, Methylene Blue and Pb(II) by Hydrochar@Mg/ALDH Nanocomposite: Synthesis, Performance and Mechanism. Nanomaterials, 2023, 13, 1145.	1.9	4
1480	Modified Nanocellulose-Based Adsorbent from Sago Waste for Diclofenac Removal. Sustainability, 2023, 15, 5650.	1.6	1
1481	Coupled Use of Modified Bentonite and Urea Hydrogen Peroxide to Degrade Paraxylene. Water, Air, and Soil Pollution, 2023, 234, .	1.1	2
1482	A review on the design and application of bi-functionalized adsorbents to remove different pollutants from water. Journal of Water Process Engineering, 2023, 53, 103636.	2.6	3
1483	Dye Removal Characteristics of Magnetic Biochar Derived from Sewage Sludge: Isotherm, Thermodynamics, Kinetics, and Mechanism. Water, Air, and Soil Pollution, 2023, 234, .	1.1	3
1484	N-doped Porous Carbon with Outstanding Pb <sup>2+</sup> Adsorption Capacity in Wastewater. Chemical Engineering and Technology, 2023, 46, 1868-1875.	0.9	2
1485	Use of Nature Based Materials for Textile Wastewater Treatment - A Review. International Journal of Engineering Research in Africa, 0, 63, 45-65.	0.7	0
1486	Environmental and Economic Evaluation of Downflow Hanging Sponge Reactors for Treating High-Strength Organic Wastewater. Sustainability, 2023, 15, 6038.	1.6	3
1488	Mechanisms of dyes adsorption on titanium oxide@graphene oxide nanocomposites. Ceramics International, 2023, 49, 21185-21205.	2.3	7
1489	Green Synthesis of Size-Controllable Polyfurfuryl Alcohol Nanospheres as Novel Bio-adsorbents. ACS Sustainable Chemistry and Engineering, 2023, 11, 6032-6042.	3.2	2
1490	Nonlinear regression for treating adsorption isotherm data to characterize new sorbents: Advantages over linearization demonstrated with simulated and experimental data. Heliyon, 2023, 9, e15128.	1.4	4
1491	Kinetic and thermodynamics of adsorption of copper ions(II) on some Iraqi clays. AIP Conference Proceedings, 2023, , .	0.3	0
1492	Effective Removal of Aqueous Cu(II) Pollution by a Novel Readily Prepared Porous Biomaterial Using Crab Shell Wastes. Water, Air, and Soil Pollution, 2023, 234, .	1.1	3
1493	Phenolic compounds removal in table olive processing wastewater by column adsorption: conditions optimization. Environmental Science and Pollution Research, 0, , .	2.7	1



#	ARTICLE	IF	CITATIONS
1494	Fabrication of N-doping activated carbons from fish waste and sawdust for Acid Yellow 36 dye removal from an aquatic environment. <i>Scientific Reports</i> , 2023, 13, .	1.6	6
1495	Combination of adsorption/desorption and photocatalytic reduction processes for PFOA removal from water by using an aminated biosorbent and a UV/sulfite system. <i>Environmental Research</i> , 2023, 228, 115930.	3.7	5
1496	Applications and Contemporary Issues with Adsorption for Water Monitoring and Remediation: A Facile Review. <i>Topics in Catalysis</i> , 2024, 67, 140-155.	1.3	0
1498	Removal of arsenic from copper smelting wastewater using zinc slag to synthesize scorodite. <i>Journal of Materials Science: Materials in Electronics</i> , 2023, 34, .	1.1	1
1499	Functionalized nanofibers for adsorption of heavy metal ions. , 2023, , 459-482.		0
1511	A review of the treatment technologies for hexavalent chromium contaminated water. <i>BioMetals</i> , 2023, 36, 1189-1219.	1.8	2
1513	Graphene-Based Nanomaterials for Water Remediation Applications. , 2023, , 1097-1122.		0
1516	Pollutant remediation from water using polymeric nanocomposites having chitosan, poly(vinyl Tj ETQq1 1 0.784314 rgBT /Oyerlock 10		0
1519	Valorization of Wood Waste as Biosorbent for the Removal of Organic and Inorganic Contaminants in Water. , 2023, , 59-78.		0
1706	Biological Method of Heavy Metal Management: Biosorption and Bioaccumulation. <i>ACS Symposium Series</i> , 0, , 315-360.	0.5	0
1738	Underlying mechanisms involved in biochar-induced metal stabilization. , 2024, , 9-43.		0
1739	Phenothiazine dyes removal from water by activated carbon developed from hydrothermally treated <i>Phyllanthus emblica</i> fruit stones. , 2024, , 357-373.		0
1759	Natural adsorbents for the removal of emerging pollutants and its adsorption mechanisms. , 2024, , 63-78.		0
1762	Long-term stability of heavy metals in biochar-treated soil. , 2024, , 131-162.		0
1783	Effect of carbonate concentration on the adsorption of uranium (VI) onto Amberlite IRA-402 resin. <i>AIP Conference Proceedings</i> , 2024, , .	0.3	0
1800	Adsorption kinetics of amoxicillin, ampicillin, and doripenem on organobentonite. <i>AIP Conference Proceedings</i> , 2024, , .	0.3	0
1808	Advanced Treatment of Water Polluted by Hexavalent Chromium. <i>Advances in Science, Technology and Innovation</i> , 2024, , 183-198.	0.2	0