Is the Free Energy Change of Adsorption Correctly Calcu

Journal of Chemical & Engineering Data
54, 1981-1985
DOI: 10.1021/je800661q

Citation Report

#	Article	IF	Citations
1	Adsorption isotherm, kinetic and mechanism studies of some substituted phenols on activated carbon fibers. Chemical Engineering Journal, 2010, 157, 348-356.	6.6	727
2	Kinetics, equilibrium and thermodynamics of the sorption of tetrabromobisphenol A on multiwalled carbon nanotubes. Applied Surface Science, 2010, 256, 7246-7252.	3.1	111
3	Attenuated total reflectance spectroscopy of coumarin organosilane molecules adsorbed on a fused silica surface. Applied Surface Science, 2010, 257, 1792-1799.	3.1	6
4	Synthesis of carboxymethyl-Î²-cyclodextrin conjugated magnetic nano-adsorbent for removal of methylene blue. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2010, 367, 85-95.	2.3	208
5	Preparation of Modified Chitin for the Removal of Chromium(VI). Bioremediation Journal, 2010, 14, 208-218.	1.0	19
6	â€œBioelectronic super-tasterâ€•device based on taste receptor-carbon nanotube hybrid structures. Lab on A Chip, 2011, 11, 2262.	3.1	71
7	The Adsorption of Arsenic Ions Using Beidellite, Zeolite, and Sepiolite Clays: A Study of Kinetic, Equilibrium and Thermodynamics. Separation Science and Technology, 2011, 46, 1005-1016.	1.3	16
8	Metal Retention Experiments for the Design of Soilâ€Mix Technology Permeable Reactive Barriers. Clean - Soil, Air, Water, 2011, 39, 844-852.	0.7	9
9	Adsorption characteristics of natural zeolites as solid adsorbents for phenol removal from aqueous solutions: Kinetics, mechanism, and thermodynamics studies. Chemical Engineering Journal, 2011, 171, 1143-1149.	6.6	417
10	Application of LECA modified with Fenton in arsenite and arsenate removal as an adsorbent. Desalination, 2011, 272, 212-217.	4.0	26
11	Removal of ammonium from greywater using natural zeolite. Desalination, 2011, 277, 15-23.	4.0	248
12	Defluorination of wastewater by calcium chloride modified natural zeolite. Desalination, 2011, 276, 246-252.	4.0	115
14	Adsorption of lead and cadmium ions from aqueous solutions using manganoxide minerals. Transactions of Nonferrous Metals Society of China, 2012, 22, 3131-3139.	1.7	47
15	Surface and Lateral Interactions of Nonylphenol Nonionic Surfactants with Porous Resin. Separation Science and Technology, 2012, 47, 494-501.	1.3	5
16	Uranium (VI) sorption by multiwalled carbon nanotubes from aqueous solution. Applied Surface Science, 2012, 259, 433-440.	3.1	129
17	Comparison between granular pillared, organo- and inorganoâ€“organo-bentonites for hydrocarbon and metal ion adsorption. Applied Clay Science, 2012, 67-68, 91-98.	2.6	34
18	Combined Density Functional Theory and Monte Carlo Analysis of Monomolecular Cracking of Light Alkanes Over H-ZSM-5. Journal of Physical Chemistry C, 2012, 116, 23408-23417.	1.5	59
19	The effect of crosslinking on the adsorption behavior of copper (II) onto poly(2â€hydroxyâ€4â€acryloyloxybenzophenone). Journal of Applied Polymer Science, 2012, 126, 1008-1015.	1.3	2

#	Article	IF	Citations
20	Adsorption isotherm, thermodynamic and kinetics studies of polyphenols onto tannery shavings. Chemical Engineering Journal, 2012, 183, 21-29.	6.6	31
21	Fabrication of magnetic chitosan nanoparticles grafted with Î²-cyclodextrin as effective adsorbents toward hydroquinol. Colloids and Surfaces B: Biointerfaces, 2012, 95, 42-49.	2.5	79
22	Sorption of metal cations by alginate-based biosorbents. On the correct determination of the thermodynamic parameters. Journal of Colloid and Interface Science, 2012, 368, 547-551.	5.0	10
23	Adsorptive Thermodynamic Properties and Kinetics of trans-1,2-Cyclohexandiol onto AB-8 Resin. Chinese Journal of Chemical Engineering, 2012, 20, 277-283.	1.7	3
24	Sorption of norfloxacin onto humic acid extracted from weathered coal. Journal of Environmental Management, 2012, 102, 165-172.	3.8	49
25	The standard free energy of surfactant adsorption at air/water and oil/water interfaces: Theoretical vs. empirical approaches. Colloid Journal, 2012, 74, 172-185.	0.5	57
26	Comparative study on adsorption of two cationic dyes by milled sugarcane bagasse. Industrial Crops and Products, 2013, 42, 41-49.	2.5	160
27	Binding of heavy metals by algal biosorbents. Theoretical models of kinetics, equilibria and thermodynamics. Advances in Colloid and Interface Science, 2013, 197-198, 58-67.	7.0	53
28	Nanocomposite hydrogel from grafting of acrylamide onto HPMC using sodium montmorillonite nanoclay and removal of crystal violet dye. Cellulose, 2013, 20, 2591-2604.	2.4	34
29	Biosorption of phenol onto bionanoparticles from Spirulina sp. LEB 18. Journal of Colloid and Interface Science, 2013, 407, 450-456.	5.0	36
30	Synthesis of polyethylenimine-functionalized poly(glycidyl methacrylate) magnetic microspheres and their excellent Cr(VI) ion removal properties. Chemical Engineering Journal, 2013, 234, 338-345.	6.6	120
31	Application of chitosan films for the removal of food dyes from aqueous solutions by adsorption. Chemical Engineering Journal, 2013, 214, 8-16.	6.6	165
32	Effect of the nature of binary water-organic solvents on the thermodynamic characteristics of adsorption of certain 1,3,4-oxadiazoles and 1,2,4,5-tetrazines on phenyl-bonded silica gel. Russian Journal of Physical Chemistry A, 2013, 87, 2013-2019.	0.1	5
33	Adsorption characteristics of Th(IV) ions on reduced graphene oxide from aqueous solutions. Applied Surface Science, 2013, 287, 478-483.	3.1	58
34	A new use for modified sugarcane bagasse containing adsorbed Co2+ and Cr3+: Catalytic oxidation of terpenes. Industrial Crops and Products, 2013, 50, 288-296.	2.5	12
35	Adsorption of hexavalent chromium on a lignin-based resin: Equilibrium, thermodynamics, and kinetics. Journal of Environmental Chemical Engineering, 2013, 1, 1301-1308.	3.3	52
36	Dye Adsorption by Leather Waste: Mechanism Diffusion, Nature Studies, and Thermodynamic Data. Journal of Chemical & Engineering Data, 2013, 58, 873-882.	1.0	50
37	Ammonium salt of heteropoly acid immobilized on mesoporous silica (SBA-15): An efficient ion exchanger for cesium ion. Chemical Engineering Journal, 2013, 220, 204-213.	6.6	62

#	Article	IF	Citations
38	Adsorption of Cr (VI) by chitosan with different deacetylation degrees. Desalination and Water Treatment, 2013, 51, 7690-7699.	1.0	34
39	Adsorption studies of methylene blue and gentian violet on sugarcane bagasse modified with EDTA dianhydride (EDTAD) in aqueous solutions: Kinetic and equilibrium aspects. Journal of Environmental Management, 2013, 118, 135-143.	3.8	122
40	Adsorption of Vanillin Using Macroporous Resin H103. Adsorption Science and Technology, 2013, 31, 599-610.	1.5	13
41	Adsorption Behaviors of Oxytetracycline onto Sediment in the Weihe River, Shaanxi, China. Journal of Chemistry, 2013, 2013, 1-10.	0.9	11
42	Sorption of Atrazine in Tropical Soil by Biochar Prepared from Cassava Waste. BioResources, 2014, 9, .	0.5	15
43	Adsorption of Monobutyl Phthalate from Aqueous Phase onto Two Macroporous Anion-Exchange Resins. Journal of Chemistry, 2014, 2014, 1-5.	0.9	1
44	Medium-property relationships and compensation effect in the adsorption of heteroaromatic compounds from aqueous acetonitrile solutions. Russian Chemical Bulletin, 2014, 63, 2609-2619.	0.4	13
45	The structural effect of some 1,3,4-oxadiazoles and 1,2,4,5-tetrazines on their thermodynamic characteristics of adsorption from aqueous organic solutions on phenyl-bonded silica gel. Protection of Metals and Physical Chemistry of Surfaces, 2014, 50, 747-754.	0.3	1
46	Removal of Cd(II) from aqueous solution by exploring the biosorption characteristics of gaozaban (Onosma bracteatum). Journal of Environmental Chemical Engineering, 2014, 2, 1155-1164.	3.3	37
47	Kinetics and isotherm studies of Cd(II) adsorption from aqueous solution utilizing seeds of bottlebrush plant (Callistemon chisholmii). Applied Water Science, 2014, 4, 371-383.	2.8	46
48	Adsorption of Pb(II) from aqueous solution using keratin waste â€“ hide waste: Equilibrium, kinetic and thermodynamic modeling studies. Chemical Engineering Journal, 2014, 241, 393-400.	6.6	78
49	The batch adsorption of the epigallocatechin gallate onto apple pomace. Food Chemistry, 2014, 160, 260-265.	4.2	22
50	Kinetics, equilibrium and thermodynamics of the sorption of p-nitrophenol on two variable charge soils of Southern China. Applied Surface Science, 2014, 298, 95-101.	3.1	30
51	Synthesis of Anti-Salt Hydroxypropyl Methylcellulose-g-polyacrylamide/Laponite RD Nanocomposite Hydrogel and Its Application to Remove Cationic Dye. Polymer-Plastics Technology and Engineering, 2014, 53, 411-422.	1.9	13
52	Thermodynamics of adsorption of 1,3,4-oxadiazole and 1,2,4,5-tetrazine derivatives from aqueous-organic solutions on the surface of porous graphitic carbon. Protection of Metals and Physical Chemistry of Surfaces, 2014, 50, 317-325.	0.3	4
53	Chromium biosorption using the residue of alginate extraction from Sargassum filipendula. Chemical Engineering Journal, 2014, 237, 362-371.	6.6	101
54	Adsorption studies of etherdiamine onto modified sugarcane bagasses in aqueous solution. Journal of Environmental Management, 2014, 133, 332-342.	3.8	22
55	Considerations about the correct evaluation of sorption thermodynamic parameters from equilibrium isotherms. Journal of Chemical Thermodynamics, 2014, 68, 310-316.	1.0	143

#	Article	IF	Citations
56	Comparative adsorption involving ortho- and para-hydroxybenzoic acids in mixed-adsorbate mode onto Î±-alumina surface: Effect of molecular structure. Journal of Environmental Chemical Engineering, 2014, 2, 90-99.	3.3	3
57	THE UNIT PROBLEM IN THE THERMODYNAMIC CALCULATION OF ADSORPTION USING THE LANGMUIR EQUATION. Chemical Engineering Communications, 2014, 201, 1459-1467.	1.5	255
58	Adsorption of Orange G dye on nano zirconia: error analysis for achieving the best equilibrium and kinetic modeling. RSC Advances, 2014, 4, 18755-18762.	1.7	15
59	Equilibrium and kinetics of aniline adsorption onto crosslinked sawdust-cyclodextrin polymers. RSC Advances, 2014, 4, 40071-40077.	1.7	44
60	Castor bean (Ricinus communis L.) presscake from biodiesel production: An efficient low cost adsorbent for removal of textile dyes. Journal of Environmental Chemical Engineering, 2014, 2, 1731-1740.	3.3	31
61	Synthesis and characterization of polyaniline Zr(IV) molybdophosphate for the adsorption of phenol from aqueous solution. Reaction Kinetics, Mechanisms and Catalysis, 2014, 113, 499-517.	0.8	24
62	Chitosan scaffold as an alternative adsorbent for the removal of hazardous food dyes from aqueous solutions. Journal of Colloid and Interface Science, 2014, 424, 7-15.	5.0	94
63	Magnetic and K+-cross-linked kappa-carrageenan nanocomposite beads and adsorption of crystal violet. Iranian Polymer Journal (English Edition), 2014, 23, 335-344.	1.3	48
64	Adsorption of the Prototype Anionic Anthraquinone, Acid Blue 25, on a Modified Banana Peel: Comparison with Equilibrium and Kinetic Ligandâ€"Receptor Biochemical Data. Industrial & Engineering Chemistry Research, 2014, 53, 2251-2260.	1.8	15
65	Mercury removal from aqueous solution by dried biomass of indigenous Vibrio parahaemolyticus PG02: Kinetic, equilibrium, and thermodynamic studies. International Biodeterioration and Biodegradation, 2014, 92, 12-19.	1.9	21
66	Removal of methyl green dye molecule from aqueous system using reduced graphene oxide as an efficient adsorbent: Kinetics, isotherm and thermodynamic parameters. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2014, 457, 125-133.	2.3	106
67	Cobalt recovery from leached solutions of lithiumâ€ion batteries using waste materials as adsorbents. Canadian Journal of Chemical Engineering, 2015, 93, 2198-2204.	0.9	17
68	Activated carbons from agricultural byproducts (pine tree and coconut shell), coal, and carbon nanotubes as adsorbents for removal of sulfamethoxazole from spiked aqueous solutions: Kinetic and thermodynamic studies. Industrial Crops and Products, 2015, 74, 111-121.	2.5	115
69	Removal of Cr(VI) from aqueous solution on seeds ofArtimisia absinthium(novel plant) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf	1.6	38
70	Use of industrial by-products and natural media to adsorb nutrients, metals and organic carbon from drinking water. Science of the Total Environment, 2015, 518-519, 491-497.	3.9	27
71	The rationale for alternative fertilization: Equilibrium isotherm, kinetics and mass transfer analysis for urea-nitrogen adsorption from cow urine. Resource-efficient Technologies, 2015, 1, 90-97.	0.1	35
72	Comparative analysis of tropaeolin adsorption onto raw and acid-treated kaolinite: Optimization by Response Surface Methodology. Journal of Environmental Management, 2015, 151, 144-152.	3.8	14
73	Kinetic and equilibrium studies of adsorption of Î²-glucuronidase by clinoptilolite-rich minerals. Process Biochemistry, 2015, 50, 221-229.	1.8	14

#	Article	IF	Citations
74	Aluminium hydroxide impregnated macroreticular aromatic polymeric resin as a sustainable option for defluoridation. Journal of Environmental Chemical Engineering, 2015, 3, 630-641.	3.3	17
75	Adsorption of Methylene Blue by ultrasonic surface modified chitin. Journal of Colloid and Interface Science, 2015, 446, 133-140.	5.0	224
76	Synthesis of porous lignin xanthate resin for Pb2+ removal from aqueous solution. Chemical Engineering Journal, 2015, 270, 229-234.	6.6	137
77	Adsorption of phenols on reduced-charge montmorillonites modified by bispyridinium dibromides: Mechanism, kinetics and thermodynamics studies. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2015, 482, 222-230.	2.3	70
78	Modeling mono- and multi-component adsorption of cobalt(II), copper(II), and nickel(II) metal ions from aqueous solution onto a new carboxylated sugarcane bagasse. Part I: Batch adsorption study. Industrial Crops and Products, 2015, 74, 357-371.	2.5	89
79	Facile synthesis and characterization of Fe3O4 nanopowder and Fe3O4/reduced graphene oxide nanocomposite for methyl blue adsorption: A comparative study. Journal of Environmental Chemical Engineering, 2015, 3, 1974-1985.	3.3	66
80	Preparation, characterization, and Ce(III) adsorption performance of poly(allylamine)/silica composite. Desalination and Water Treatment, 2015, 56, 1321-1334.	1.0	12
81	Surface-Functionalized Porous Lignin for Fast and Efficient Lead Removal from Aqueous Solution. ACS Applied Materials & Interfaces, 2015, 7, 15000-15009.	4.0	163
82	Adsorption Behaviors of Acetaminophen onto the Colloid in Sediment. Polish Journal of Environmental Studies, 0, 24, .	0.6	4
83	Selective adsorption of CO2 on a regenerable amine-bentonite hybrid adsorbent. Applied Clay Science, 2015, 107, 213-219.	2.6	25
84	Cadmium removal from aqueous solution by brown seaweed, Sargassum angustifolium. Korean Journal of Chemical Engineering, 2015, 32, 2053-2066.	1.2	10
85	Adsorptive removal of triarylmethane dye (Basic Red 9) from aqueous solution by sepiolite as effective andÂlow-cost adsorbent. Microporous and Mesoporous Materials, 2015, 210, 176-184.	2.2	169
86	QUARTZ CRYSTAL MICROBALANCE STUDY OF KINETICS AND THERMODYNAMICS OF IgG ADSORPTION ON THE POLYSTYRENE SURFACE. Surface Review and Letters, 2015, 22, 1550026.	0.5	1
87	Equilibrium, thermodynamic and kinetic studies on removal of chromium, copper, zinc and arsenic from aqueous solutions onto fly ash coated by chitosan. Chemical Engineering Journal, 2015, 274, 200-212.	6.6	192
88	Determination of adsorptive properties of expanded vermiculite for the removal of C. I. Basic Red 9 from aqueous solution: Kinetic, isotherm and thermodynamic studies. Applied Clay Science, 2015, 109-110, 22-32.	2.6	156
90	The behaviors and characteristics of a mesoporous activated carbon prepared from Tamarix hispida for Zn(II) adsorption from wastewater. Journal of Environmental Chemical Engineering, 2015, 3, 2057-2067.	3.3	40
91	A Facile Synthesis of Ion Imprinted Mesoporous Silica Adsorbents by a Co-Condensation Pathway and Application in a Fixed-Bed Column Study for Lead Removal. Australian Journal of Chemistry, 2015, 68, 1051.	0.5	0
92	Adsorption behaviors of acetaminophen onto sediment in the Weihe River, Shaanxi, China. International Journal of Sediment Research, 2015, 30, 263-271.	1.8	10

#	Article	IF	Citations
93	Mesoporous silica materials with different structures as the carriers for antimicrobial agent. Modeling of chlorhexidine adsorption and release. Applied Surface Science, 2015, 356, 1327-1340.	3.1	27
94	Equilibrium Isotherms, Thermodynamics, and Kinetic Studies for the Adsorption of Food Azo Dyes onto Chitosan Films. Chemical Engineering Communications, 2015, 202, 1316-1323.	1.5	50
95	Removal of basic dye (methylene blue) from aqueous solution using zeolite synthesized from electrolytic manganese residue. Journal of Industrial and Engineering Chemistry, 2015, 23, 344-352.	2.9	117
96	Application of a new carboxylate-functionalized sugarcane bagasse for adsorptive removal of crystal violet from aqueous solution: Kinetic, equilibrium and thermodynamic studies. Industrial Crops and Products, 2015, 65, 521-534.	2.5	87
97	Processing treatments enhance the adsorption characteristics of epigallocatechin-3-gallate onto apple pomace. Journal of Food Engineering, 2015, 150, 75-81.	2.7	16
98	Kinetics, thermodynamics, and structural investigations on the removal of Pb2+, Cd2+, and Zn2+ from multicomponent solutions onto natural and Fe(III)-modified zeolites. Clean Technologies and Environmental Policy, 2015, 17, 407-419.	2.1	39
99	Equilibrium studies, kinetics and thermodynamics of anion removal by adsorption. World Review of Science, Technology and Sustainable Development, 2016, 12, 193.	0.3	2
100	Adsorption and heatâ€energyâ€aid desorption of cationic dye on a new thermoâ€sensitive adsorbent: Methyl cellulose/calcium alginate beads. Polymer Engineering and Science, 2016, 56, 1382-1389.	1.5	17
101	Nafion Induced Surface Confinement of Oxygen in Carbon-Supported Oxygen Reduction Catalysts. Journal of Physical Chemistry C, 2016, 120, 28038-28048.	1.5	16
102	Preparation and characterization of a series of porous anion-exchanger chelating fibers and their adsorption behavior with respect to removal of cadmium(<scp>ii</scp>). RSC Advances, 2016, 6, 115222-115237.	1.7	9
103	Removal of sunset yellow FCF from aqueous solution using polyethyleneimine-modified MWCNTs. Water Science and Technology, 2016, 73, 1269-1278.	1.2	7
104	Sorptive Removal of Ce(IV) from Aqueous Solution by Bentonite. Procedia Environmental Sciences, 2016, 31, 408-417.	1.3	7
105	Comparison of Co2+ adsorption by chitosan and its triethylene-tetramine derivative: Performance and mechanism. Carbohydrate Polymers, 2016, 151, 20-28.	5.1	45
106	Comparison of chitosan with different physical forms to remove Reactive Black 5 from aqueous solutions. Journal of Environmental Chemical Engineering, 2016, 4, 2259-2267.	3.3	32
107	Adsorption of methylene blue by porous ceramics prepared from electrolytic manganese residues. Desalination and Water Treatment, 0, , 1-11.	1.0	13
108	Equilibriums and kinetics studies for adsorption of Ni(II) ion on chitosan and its triethylenetetramine derivative. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2016, 501, 32-41.	2.3	57
109	Thermodynamic parameters of cadmium adsorption onto orange peel calculated from various methods: A comparison study. Journal of Environmental Chemical Engineering, 2016, 4, 2671-2682.	3.3	482
110	Adsorption capacities of poly-Î³-glutamic acid and its sodium salt for cesium removal from radioactive wastewaters. Journal of Environmental Radioactivity, 2016, 165, 151-158.	0.9	38

#	Article	IF	Citations
111	Optimization of removal of Cr by Î³-alumina nano-adsorbent using response surface methodology. Ecological Engineering, 2016, 97, 272-283.	1.6	36
112	Kinetic and equilibrium modelling of adsorption of cadmium on nano crystalline zirconia using response surface methodology. Environmental Nanotechnology, Monitoring and Management, 2016, 6, 99-107.	1.7	12
113	Synthesis and application of a new carboxylated cellulose derivative. Part I: Removal of Co 2+ , Cu 2+ and Ni 2+ from monocomponent spiked aqueous solution. Journal of Colloid and Interface Science, 2016, 483, 185-200.	5.0	38
114	A key parameter on the adsorption of diluted aniline solutions with activated carbons: The surface oxygen content. Chemosphere, 2016, 162, 181-188.	4.2	15
115	Adsorption of bisphenol A and ciprofloxacin by palygorskite-montmorillonite: Effect of granule size, solution chemistry and temperature. Applied Clay Science, 2016, 132-133, 518-527.	2.6	86
116	Modification of a magnetic carbon composite for ciprofloxacin adsorption. Journal of Environmental Sciences, 2016, 49, 179-188.	3.2	98
117	Development of chitosan/bentonite hybrid composite to remove hazardous anionic and cationic dyes from colored effluents. Journal of Environmental Chemical Engineering, 2016, 4, 3230-3239.	3.3	90
118	Surface charge modification of chloromethylated polystyrene beads with NaH for the removal of sulfamonomethoxine. Journal of the Taiwan Institute of Chemical Engineers, 2016, 65, 22-27.	2.7	8
119	Adsorption and desorption behavior of ionic and nonionic surfactants on polymer surfaces. Soft Matter, 2016, 12, 9692-9704.	1.2	34
120	Synthesis and characterization of amidoxime modified calix[8]arene for adsorption of U(<scp>vi</scp>) in low concentration uranium solutions. RSC Advances, 2016, 6, 101087-101097.	1.7	31
121	A kinetic, equilibrium and thermodynamic study of l-phenylalanine adsorption using activated carbon based on agricultural waste (date stones). Journal of Applied Research and Technology, 2016, 14, 354-366.	0.6	85
122	Kinetics and thermodynamic analysis of the adsorption of hydroxy-Al cations by montmorillonite. Applied Clay Science, 2016, 129, 79-87.	2.6	14
123	Removal of triphenylmethane and reactive azo dyes from aqueous solution by magnetic carbon nanotube-Î°-carrageenan-Fe3O4 nanocomposite. Journal of Alloys and Compounds, 2016, 687, 370-383.	2.8	202
124	Reproducible magnetic carbon nanocomposites derived from polystyrene with superior tetrabromobisphenol A adsorption performance. Journal of Materials Chemistry A, 2016, 4, 10174-10185.	5.2	44
125	Removal of dyes by adsorption on magnetically modified activated sludge. International Journal of Environmental Science and Technology, 2016, 13, 1653-1664.	1.8	36
126	Facile crosslinking synthesis of hyperbranch-substrate nanonetwork magnetite nanocomposite for the fast and highly efficient removal of lead ions and anionic dyes from aqueous solutions. RSC Advances, 2016, 6, 67057-67071.	1.7	17
127	Removal of nickel (II) ion by adsorption on coconut copra meal biosorbent. Desalination and Water Treatment, 2016, 57, 5623-5635.	1.0	20
128	Impact of biochar produced from post-harvest residue on the adsorption behavior of diesel oil on loess soil. Environmental Geochemistry and Health, 2016, 38, 243-253.	1.8	30

#	Article	IF	Citations
129	Application of NaOH-HCl-Modified Apple Pomace to Binding Epigallocatechin Gallate. Food and Bioprocess Technology, 2016, 9, 917-923.	2.6	16
130	Removal of reactive blue 19 from aqueous solutions using NiO nanoparticles: equilibrium and kinetic studies. Desalination and Water Treatment, 2016, 57, 20037-20048.	1.0	26
131	Removal of cobalt(II), copper(II), and nickel(II) ions from aqueous solutions using phthalate-functionalized sugarcane bagasse: Mono- and multicomponent adsorption in batch mode. Industrial Crops and Products, 2016, 79, 116-130.	2.5	93
132	Carbon Nanotubes Grown on Metal Microelectrodes for the Detection of Dopamine. Analytical Chemistry, 2016, 88, 645-652.	3.2	113
133	APTES-modified mesoporous silicas as the carriers for poorly water-soluble drug. Modeling of diflunisal adsorption and release. Applied Surface Science, 2016, 368, 348-359.	3.1	40
134	Lignin microspheres: An effective and recyclable natural polymer-based adsorbent for lead ion removal. Materials and Design, 2016, 95, 141-147.	3.3	116
135	Are the thermodynamic parameters correctly estimated in liquid-phase adsorption phenomena?. Journal of Molecular Liquids, 2016, 218, 174-185.	2.3	231
136	Improvement of zeolite adsorption capacity for cephalexin by coating with magnetic Fe3O4 nanoparticles. Journal of Molecular Liquids, 2016, 218, 615-624.	2.3	136
137	Application of a new bifunctionalized chitosan derivative with zwitterionic characteristics for the adsorption of Cu2+, Co2+, Ni2+, and oxyanions of Cr6+ from aqueous solutions: Kinetic and equilibrium aspects. Journal of Colloid and Interface Science, 2016, 466, 297-309.	5.0	64
138	Amine-modified SBA-15 and MCF mesoporous molecular sieves as promising sorbents for natural antioxidant. Modeling of caffeic acid adsorption. Materials Science and Engineering C, 2016, 61, 411-421.	3.8	17
139	Adsorptive Separation of Acetic Acid from Dilute Aqueous Solutions: Adsorption Kinetic, Isotherms, and Thermodynamic Studies. Journal of Chemical & Engineering Data, 2016, 61, 213-219.	1.0	27
140	Kinetics and thermodynamic studies of phenol adsorption on nanocomposite. Desalination and Water Treatment, 2016, 57, 11255-11265.	1.0	10
141	Sorption characteristics of tetrabromobisphenol A by oxidized and ethylendiamine-functionalized multi-walled carbon nanotubes. Desalination and Water Treatment, 2016, 57, 17343-17354.	1.0	4
142	Monolayerâ€"multilayer adsorption phenomenological model: Kinetics, equilibrium and thermodynamics. Chemical Engineering Journal, 2016, 284, 1328-1341.	6.6	136
143	Effect of ionic strength on the adsorption behavior of phenol over modified activated clay. Desalination and Water Treatment, 2016, 57, 4174-4182.	1.0	10
144	Cationic and anionic dye removal from aqueous solution using montmorillonite clay: evaluation of adsorption parameters and mechanism. Desalination and Water Treatment, 2016, 57, 8372-8388.	1.0	43
145	Chitosan/polyamide nanofibers prepared by ForcespinningÂ® technology: A new adsorbent to remove anionic dyes from aqueous solutions. Journal of Cleaner Production, 2017, 144, 120-129.	4.6	128
146	Reduction of seawater salinity by natural zeolite (Clinoptilolite): Adsorption isotherms, thermodynamics and kinetics. Desalination, 2017, 409, 146-156.	4.0	151

#	Article	IF	Citations
147	Optimization of cellulose and sugarcane bagasse oxidation: Application for adsorptive removal of crystal violet and auramine-O from aqueous solution. Journal of Colloid and Interface Science, 2017, 494, 223-241.	5.0	65
148	Adsorption of As(III) and As(V) in groundwater by Feâ€"Mn binary oxide-impregnated granular activated carbon (IMIGAC). Journal of the Taiwan Institute of Chemical Engineers, 2017, 72, 62-69.	2.7	48
149	Synthesis, characterization and exploitation of nano-TiO 2 /feldspar-embedded chitosan beads towards UV-assisted adsorptive abatement of aqueous arsenic (As). Chemical Engineering Journal, 2017, 316, 370-382.	6.6	55
150	Enhanced removal of bisphenol-AF by activated carbon-alginate beads with cetyltrimethyl ammonium bromide. Journal of Colloid and Interface Science, 2017, 495, 191-199.	5.0	27
151	Tunable auto-combustion preparation of TiO₂nanostructures as efficient adsorbents for the removal of an anionic textile dye. RSC Advances, 2017, 7, 8034-8050.	1.7	74
152	Cu(II) adsorption from copper mine water by chitosan films and the matrix effects. Environmental Science and Pollution Research, 2017, 24, 5908-5917.	2.7	58
153	Kaolin-issued zeolite A as efficient adsorbent for Bezanyl Yellow and Nylomine Green anionic dyes. Microporous and Mesoporous Materials, 2017, 243, 91-101.	2.2	19
154	The role of biochar properties in influencing the sorption and desorption of Pb(II), Cd(II) and As(III) in aqueous solution. Journal of Cleaner Production, 2017, 148, 127-136.	4.6	228
155	Comparing adsorption properties of NH 4 Cl-modified activated carbon towards chlortetracycline antibiotic with those of commercial activated carbon. Journal of Molecular Liquids, 2017, 232, 367-381.	2.3	66
156	Removal of ammonia from aqueous solutions by ligand exchange onto a Cu(ii)-loaded chelating resin: kinetics, equilibrium and thermodynamics. RSC Advances, 2017, 7, 12812-12823.	1.7	16
157	The effect of magnesium oxide morphology on adsorption of U(â...¥) from aqueous solution. Chemical Engineering Journal, 2017, 316, 936-950.	6.6	48
158	The effective and selective separation of (âˆ')-epigallocatechin gallate by molecularly imprinted chitosan beads. Journal of Food Science and Technology, 2017, 54, 770-777.	1.4	3
159	Use of macadamia nut shell residues as magnetic nanosorbents. International Biodeterioration and Biodegradation, 2017, 124, 276-287.	1.9	24
160	Preparation and characterization of a novel macroporous silica-bipyridine asymmetric multidentate functional adsorbent and its application for heavy metal palladium removal. Journal of Hazardous Materials, 2017, 337, 178-188.	6.5	29
161	Development of aminated poly(glycidyl methacrylate) nanosorbent by green gamma radiation for phenol and malathion contaminated wastewater treatment. Journal of Environmental Chemical Engineering, 2017, 5, 2325-2336.	3.3	33
162	Mistakes and inconsistencies regarding adsorption of contaminants from aqueous solutions: A critical review. Water Research, 2017, 120, 88-116.	5.3	1,811
163	Aqueous Phase Biosorption of Pb(II), Cu(II), and Cd(II) onto Cabbage Leaves Powder. International Journal of Chemical Reactor Engineering, 2017, 15, .	0.6	19
164	Equilibrium and dynamic surface tension in relation to diffusivity and foaming properties: Effects of surfactant type and structure. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2017, 524, 135-142.	2.3	62

#	Article	IF	Citations
165	Engineering metal (hydr)oxide sorbents for removal of arsenate and similar weak-acid oxyanion contaminants: A critical review with emphasis on factors governing sorption processes. Science of the Total Environment, 2017, 598, 258-271.	3.9	69
166	Influence of biochar amendments to soil on the mobility of atrazine using sorption-desorption and soil thin-layer chromatography. Ecological Engineering, 2017, 99, 381-390.	1.6	54
167	Polyurethane foam impregnated with lignin as a filler for the removal of crude oil from contaminated water. Journal of Hazardous Materials, 2017, 324, 406-413.	6.5	146
168	Adsorptive removal of potentially toxic metals (cadmium, copper, nickel and zinc) by chemically treated laterite: Single and multicomponent batch and column study. Journal of Environmental Chemical Engineering, 2017, 5, 3273-3289.	3.3	37
169	Kinetics of ethylene glycol electrooxidation on the noble metal-based nano-catalysts. Journal of the Iranian Chemical Society, 2017, 14, 1983-1991.	1.2	5
170	Functionalized adsorbents prepared from fruit peels: Equilibrium, kinetic and thermodynamic studies for copper adsorption in aqueous solution. Journal of Cleaner Production, 2017, 162, 195-204.	4.6	92
171	Utilization of magnetic nano cobalt ferrite doped Capra aegagrus hircus dung activated carbon composite for the adsorption of anionic dyes. Journal of Environmental Chemical Engineering, 2017, 5, 2820-2829.	3.3	18
172	Adsorption of levulinic acid from aqueous solution by Amberlite XAD-4. Journal of Molecular Liquids, 2017, 234, 330-334.	2.3	19
173	Adsorptive removal of congo red from aqueous solution by sonochemically synthesized NiAl layered double hydroxide. Journal of Environmental Chemical Engineering, 2017, 5, 2056-2067.	3.3	58
174	Removal of ammonium and heavy metals by cost-effective zeolite synthesized from waste quartz sand and calcium fluoride sludge. Water Science and Technology, 2017, 75, 587-597.	1.2	13
175	MWCNTs based sorbents for nuclear waste management: A review. Journal of Environmental Chemical Engineering, 2017, 5, 5099-5114.	3.3	49
176	Removal of crystal violet dye by adsorption using bentonite â€“ alginate composite. Journal of Environmental Chemical Engineering, 2017, 5, 5677-5687.	3.3	166
177	Chromium(VI) concurrent detoxification and immobilization by gallate: Kinetics, equilibrium, thermodynamics, and mechanism studies. Journal of Environmental Chemical Engineering, 2017, 5, 5762-5769.	3.3	13
178	Equilibrium, Kinetic and Thermodynamic Study of Removal of Eosin Yellow from Aqueous Solution Using Teak Leaf Litter Powder. Scientific Reports, 2017, 7, 12198.	1.6	67
179	Adsorption of methylene blue onto citric acid treated carbonized bamboo leaves powder: Equilibrium, kinetics, thermodynamics analyses. Journal of Molecular Liquids, 2017, 248, 413-424.	2.3	35
180	Adsorption of crystal violet dye onto a mesoporous ZSM-5 zeolite synthetized using chitin as template. Journal of Colloid and Interface Science, 2017, 508, 313-322.	5.0	112
181	Metronidazole removal in powder-activated carbon and concrete-containing graphene adsorption systems: Estimation of kinetic, equilibrium and thermodynamic parameters and optimization of adsorption by a central composite design. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2017, 52, 1269-1283.	0.9	29
182	Development of inexpensive biosorbents from de-oiled mustard cake for effective removal of As(V) and Pb(II) ions from their aqueous solutions. Journal of Environmental Chemical Engineering, 2017, 5, 4728-4741.	3.3	13

#	Article	IF	Citations
183	Investigation on Pd (II) removal and recovery characteristics of chitosan from electroless plating solutions. Journal of Water Process Engineering, 2017, 19, 8-17.	2.6	13
184	Preparation of Mg-Al-Ce triple-metal composites for fluoride removal from aqueous solutions. Journal of Molecular Liquids, 2017, 242, 416-422.	2.3	35
185	Competitive adsorption isotherms of rhodium 6G and methylene blue on activated carbon prepared from residual fuel oil. Journal of Environmental Chemical Engineering, 2017, 5, 4319-4326.	3.3	24
186	Digital Adsorption: 3D Imaging of Gas Adsorption Isotherms by X-ray Computed Tomography. Journal of Physical Chemistry C, 2017, 121, 26903-26915.	1.5	15
187	Selective removal of Pb(II) ions from aqueous solutions by acrylic acid/acrylamide comonomer grafted polypropylene fibers. Fibers and Polymers, 2017, 18, 1459-1467.	1.1	4
188	Adsorption of methylene blue, crystal violet and congo red from binary and ternary systems with natural clay: Kinetic, isotherm, and thermodynamic. Journal of Environmental Chemical Engineering, 2017, 5, 5921-5932.	3.3	108
189	Hydrothermally Synthesized Co3O4, Î±-Fe2O3, and CoFe2O4 Nanostructures: Efficient Nano-adsorbents for the Removal of Orange G Textile Dye from Aqueous Media. Journal of Inorganic and Organometallic Polymers and Materials, 2017, 27, 1526-1537.	1.9	30
190	Tunable adsorption properties of bentonite/carboxymethyl cellulose- g -poly(2-(dimethylamino) ethyl) Tj ETQq1 1 0.784314 rgBT /Overlo 260-270.	2.7	39
191	Novel activated carbon from Manihot esculenta Crantz for removal of Methylene Blue. Sustainable Environment Research, 2017, 27, 215-222.	2.1	24
192	Adsorption Isotherms in Liquid Phase: Experimental, Modeling, and Interpretations. , 2017, , 19-51.		78
193	Comments on â€œEffect of Temperature on the Adsorption of Methylene Blue Dye onto Sulfuric Acidâ€"Treated Orange Peelâ€• Chemical Engineering Communications, 2017, 204, 134-139.	1.5	21
194	Three-dimensionally porous graphene: A high-performance adsorbent for removal of albumin-bonded bilirubin. Colloids and Surfaces B: Biointerfaces, 2017, 149, 146-153.	2.5	50
195	Electrospun polyacrylonitrile nanofibers functionalized with EDTA for adsorption of ionic dyes. Physics and Chemistry of the Earth, 2017, 100, 201-211.	1.2	46
196	Removal of lead ion and oil droplet from aqueous solution by lignin-grafted carbon nanotubes. Chemical Engineering Journal, 2017, 308, 809-817.	6.6	151
197	Pd(II) adsorption characteristics of glutaraldehyde cross-linked chitosan copolymer resin. International Journal of Biological Macromolecules, 2017, 94, 72-84.	3.6	112
198	Adsorption performance of magnesium/aluminum layered double hydroxide nanoparticles for metronidazole from aqueous solution. Arabian Journal of Chemistry, 2017, 10, 611-623.	2.3	99
199	Synthesis of urea-modified MnFe2O4 for aromatic micro-pollutants adsorption from wastewater: Mechanism and modeling. Clean Technologies and Environmental Policy, 2017, 19, 527-540.	2.1	27
200	Determination of thermodynamic parameters from Langmuir isotherm constant-revisited. Journal of Molecular Liquids, 2017, 225, 137-146.	2.3	237

#	Article	IF	Citations
201	Response to â€œLetter to Editor: Minor correction to the thermodynamic calculation using the distribution constant by Shan et al. and Rahmani-Sani et al.â€• Journal of Hazardous Materials, 2017, 325, 367-368.	6.5	18
202	Molecular Simulation Study on the Interaction of Nanoparticles with Clay Minerals: C₆₀ on Surfaces of Pyrophyllite and Kaolinite. Clays and Clay Minerals, 2017, 65, 398-409.	0.6	4
203	Synthesis of Iron Doped Zeolite Imidazolate Framework-8 and Its Remazol Deep Black RGB Dye Adsorption Ability. Journal of Chemistry, 2017, 2017, 1-18.	0.9	22
204	Kinetics, isotherms, and thermodynamic studies of lead, chromium, and cadmium bio-adsorption from aqueous solution onto Picea smithiana sawdust. Environmental Science and Pollution Research, 2018, 25, 12570-12578.	2.7	40
205	Acrylamide grafted chitosan based ion imprinted polymer for the recovery of cadmium from nickel-cadmium battery waste. Journal of Environmental Chemical Engineering, 2018, 6, 1828-1839.	3.3	49
206	The application of pomelo peel as a carrier for adsorption of epigallocatechinâ€3â€gallate. Journal of the Science of Food and Agriculture, 2018, 98, 4135-4141.	1.7	10
207	Surface modified polypyrrole for the efficient removal of phenolic compounds from aqueous medium. Journal of Environmental Chemical Engineering, 2018, 6, 2588-2596.	3.3	13
208	Facile one-pot hydrothermal synthesis of cubic spinel-type manganese ferrite/biochar composites for environmental remediation of heavy metals from aqueous solutions. Bioresource Technology, 2018, 261, 1-9.	4.8	122
209	Adsorption performance of Cd(II), Cr(III), Cu(II), Ni(II), Pb(II) and Zn(II) by aminated solution-blown polyacrylonitrile micro/nanofibers. Water Science and Technology, 2018, 2017, 378-389.	1.2	19
210	Adsorption behavior of methylene blue on glycerol based carbon materials. Journal of Environmental Chemical Engineering, 2018, 6, 1714-1725.	3.3	41
211	Mesoporous activated carbon prepared from macadamia nut shell waste by carbon dioxide activation: <scp>C</scp>omparative characterisation and study of methylene blue removal from aqueous solution. Asia-Pacific Journal of Chemical Engineering, 2018, 13, e2179.	0.8	23
212	Investigation on the role of surfactants in bubble-algae interaction in flotation harvesting of Chlorella vulgaris. Scientific Reports, 2018, 8, 3303.	1.6	15
213	Ordered mesoporous carbons as highly efficient absorbent for coal gasification wastewater â€“ A real case study based on the Inner Mongolia Autonomous coal gasification wastewater. Chemical Engineering Journal, 2018, 341, 471-482.	6.6	27
214	Preparation of amidoxime-functionalized mesoporous silica nanospheres (ami-MSN) from coal fly ash for the removal of U(VI). Science of the Total Environment, 2018, 626, 219-227.	3.9	58
215	Adsorptive Removal of Tetracycline on Graphene Oxide Loaded with Titanium Dioxide Composites and Photocatalytic Regeneration of the Adsorbents. Journal of Chemical & Engineering Data, 2018, 63, 409-416.	1.0	36
216	Preparation, Characterization and Dye Adsorption/Reuse of Chitosan-Vanadate Films. Journal of Polymers and the Environment, 2018, 26, 2917-2924.	2.4	51
217	Adsorption of Ni(II) on spent coffee and coffee husk based activated carbon. Journal of Environmental Chemical Engineering, 2018, 6, 1161-1170.	3.3	78
218	Highly efficient removal of uranium(VI) from aqueous solutions by poly(acrylic acid-co-acrylamide) hydrogels. Journal of Radioanalytical and Nuclear Chemistry, 2018, 315, 211-221.	0.7	20

#	Article	IF	Citations
219	Trimellitated sugarcane bagasse: A versatile adsorbent for removal of cationic dyes from aqueous solution. Part I: Batch adsorption in a monocomponent system. Journal of Colloid and Interface Science, 2018, 515, 172-188.	5.0	69
220	Effect of Monovalent and Divalent Salts on the Interfacial Tension of n-Heptane against Aqueous Anionic Surfactant Solutions. Journal of Chemical & Engineering Data, 2018, 63, 2341-2350.	1.0	31
221	Investigation of the kinetics and mechanisms of nickel and copper ions adsorption from aqueous solutions by date seed derived biochar. Journal of Environmental Chemical Engineering, 2018, 6, 1171-1181.	3.3	94
222	Modeling Adsorption Isotherm for Defluoridation by Calcined Ca-Al-(NO3)-LDH: State-of-the-Art Technique. Journal of Environmental Engineering, ASCE, 2018, 144, .	0.7	8
223	Enhanced adsorption of xylenol orange from aqueous solutions by polyethylenimineâ€grafted chitosan microspheres. Canadian Journal of Chemical Engineering, 2018, 96, 2007-2013.	0.9	1
224	Surface functionalization of GO with MgO/MgFe2O4 binary oxides: A novel magnetic nanoadsorbent for removal of fluoride ions. Journal of Environmental Chemical Engineering, 2018, 6, 2918-2931.	3.3	58
225	Application of graphene nanoplatelets and graphene magnetite for the removal of emulsified oil from produced water. Journal of Environmental Chemical Engineering, 2018, 6, 3018-3033.	3.3	33
226	Enhanced Cr(VI) removal by polyethylenimine- and phosphorus-codoped hierarchical porous carbons. Journal of Colloid and Interface Science, 2018, 523, 110-120.	5.0	94
227	Preparation of poly-ammonium/sodium dithiocarbamate for the efficient removal of chelated heavy metal ions from aqueous environments. Journal of Environmental Chemical Engineering, 2018, 6, 2344-2354.	3.3	25
228	Adsorptive removal of Congo red from aqueous solution using zeolitic imidazolate frameworkâ€“67. Journal of Environmental Chemical Engineering, 2018, 6, 2269-2280.	3.3	79
229	Adsorption characteristics of ciprofloxacin on the schorl: kinetics, thermodynamics, effect of metal ion and mechanisms. Journal of Water Reuse and Desalination, 2018, 8, 350-359.	1.2	37
230	Biosorption of silver from aqueous solutions using wine industry wastes. Chemical Engineering Communications, 2018, 205, 325-337.	1.5	11
231	Novel synthesis of cyano-functionalized mesoporous silica nanospheres (MSN) from coal fly ash for removal of toxic metals from wastewater. Journal of Hazardous Materials, 2018, 345, 76-86.	6.5	56
232	Efficient removal of bisphenol S from aqueous solution by synthesized nano-zeolite secony mobil-5. Microporous and Mesoporous Materials, 2018, 259, 184-194.	2.2	39
233	New biochar from pecan nutshells as an alternative adsorbent for removing reactive red 141 from aqueous solutions. Journal of Cleaner Production, 2018, 171, 57-65.	4.6	174
234	Effect of the chelating agents on bio-sorption of hexavalent chromium using Agave sisalana fibers. Chinese Journal of Chemical Engineering, 2018, 26, 984-992.	1.7	23
235	Adsorption of diclofenac on a magnetic adsorbent based on maghemite: experimental and theoretical studies. New Journal of Chemistry, 2018, 42, 437-449.	1.4	63
236	Adsorption characteristics of tetrabromobisphenol A onto sodium bisulfite reduced graphene oxide aerogels. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 538, 781-788.	2.3	30

#	Article	IF	Citations
237	Model fitting of sorption kinetics data: Misapplications overlooked and their rectifications. AICHE Journal, 2018, 64, 1793-1805.	1.8	11
238	Dynamic catalytic adsorptive desulfurization of real diesel over ultraâ€stable and lowâ€cost silica gelâ€supported TiO₂. AICHE Journal, 2018, 64, 2146-2159.	1.8	51
239	Crystal violet adsorption on industrial waste (hog fuel ash): equilibrium kinetics with process optimization by response surface modeling. Clean Technologies and Environmental Policy, 2018, 20, 291-308.	2.1	6
240	Synthesis and application of a new carboxylated cellulose derivative. Part III: Removal of auramine-O and safranin-T from mono- and bi-component spiked aqueous solutions. Journal of Colloid and Interface Science, 2018, 512, 575-590.	5.0	34
241	Removal of emerging contaminants daidzein and coumestrol from water by nanozeolite beta modified with tetrasubstituted ammonium cation. Journal of Hazardous Materials, 2018, 344, 417-430.	6.5	39
242	Sorption of benzene and naphthalene on (semi)-arid coastal soil as a function of salinity and temperature. Journal of Contaminant Hydrology, 2018, 219, 61-71.	1.6	18
243	Free Glycerol Removal from Biodiesel Using Anion Exchange Resin as a New Type of Adsorbent. Industrial & Engineering Chemistry Research, 2018, 57, 17226-17236.	1.8	7
244	Enhancing adsorption of Pb(II) from aqueous solution by NaOH and EDTA modified Artocarpus odoratissimus leaves. Journal of Environmental Chemical Engineering, 2018, 6, 7172-7184.	3.3	27
245	Reactive RED 195 dye removal using chitosan coacervated particles as bio-sorbent: Analysis of kinetics, equilibrium and adsorption mechanisms. Journal of Environmental Chemical Engineering, 2018, 6, 6749-6760.	3.3	62
246	Voltammetric Measurement of Adsorption Isotherm for Ferrocene Derivatives on Highly Oriented Pyrolytic Graphite. Analytical Chemistry, 2018, 90, 13632-13639.	3.2	21
247	Tea waste derived activated carbon for the adsorption of sodium diclofenac from wastewater: adsorbent characteristics, adsorption isotherms, kinetics, and thermodynamics. Environmental Science and Pollution Research, 2018, 25, 32210-32220.	2.7	91
248	Surfactant bilayer on chitosan bead surface for enhanced Ni(II) adsorption. Sustainable Materials and Technologies, 2018, 18, e00077.	1.7	12
249	Pine Cone biomass as an efficient precursor for the synthesis of activated biocarbon for adsorption of anionic dye from aqueous solution: Isotherm, kinetic, thermodynamic and regeneration studies. Sustainable Chemistry and Pharmacy, 2018, 10, 41-49.	1.6	78
250	Role of sorption energy and chemisorption in batch methylene blue and Cu2+ adsorption by novel thuja cone carbon in binary component system: linear and nonlinear modeling. Environmental Science and Pollution Research, 2018, 25, 31579-31592.	2.7	19
251	Biochar from byproduct to high value added material â€“ A new adsorbent for toxic metal ions removal from aqueous solutions. Journal of Molecular Liquids, 2018, 271, 481-489.	2.3	23
252	Green synthesis of a highly efficient biosorbent for organic, pharmaceutical, and heavy metal pollutants removal: Engineering surface chemistry of polymeric biomass of spent coffee waste. Journal of Water Process Engineering, 2018, 25, 309-319.	2.6	57
253	A study on the preparation of pitch-based high-strength columnar activated carbon and mechanism of phenol adsorption from aqueous solution. RSC Advances, 2018, 8, 17558-17568.	1.7	19
254	Molecular simulations of competitive adsorption of carbon dioxide â€“ methane mixture on illitic clay surfaces. Fluid Phase Equilibria, 2018, 472, 185-195.	1.4	35

#	Article	IF	Citations
255	Cadmium sorption and extractability in tropical soils with variable charge. Environmental Monitoring and Assessment, 2018, 190, 345.	1.3	12
256	Role of protonation and functional groups in Pd(II) recovery and reuse characteristics of commercial anion exchange resin-synthetic electroless plating solution systems. Journal of Water Process Engineering, 2018, 22, 227-238.	2.6	18
257	Thermodynamic Properties of Heavy Metals Ions Adsorption by Green Adsorbents. Environmental Chemistry for A Sustainable World, 2018, , 193-213.	0.3	10
258	Re-evaluation of the century-old Langmuir isotherm for modeling adsorption phenomena in solution. Chemical Physics, 2018, 513, 99-104.	0.9	208
259	Formulation and Molecular Dynamics Simulations of a Fusidic Acid Nanosuspension for Simultaneously Enhancing Solubility and Antibacterial Activity. Molecular Pharmaceutics, 2018, 15, 3512-3526.	2.3	45
260	The artificial neural network and Box-Behnken design for Cu2+ removal by the pottery sludge from water samples: Equilibrium, kinetic and thermodynamic studies. Journal of Molecular Liquids, 2018, 266, 617-627.	2.3	34
261	Arsenate removal from aqueous solution using chitosan-coated bentonite, chitosan-coated kaolinite and chitosan-coated sand: parametric, isotherm and thermodynamic studies. Water Science and Technology, 2018, 78, 676-689.	1.2	9
262	Biosorption study of cadmium, lead and zinc ions onto halophilic bacteria and reduced graphene oxide. Journal of Environmental Chemical Engineering, 2018, 6, 5053-5060.	3.3	5
263	Biosorption of Metals and Metalloids. Environmental Chemistry for A Sustainable World, 2018, , 35-86.	0.3	10
264	Adsorption Property and Mechanism of Oxytetracycline onto Willow Residues. International Journal of Environmental Research and Public Health, 2018, 15, 8.	1.2	27
265	Influence of dextran hydrogel characteristics on adsorption capacity for anionic dyes. Carbohydrate Polymers, 2018, 199, 75-83.	5.1	32
266	Adsorption Removal of Multiple Dyes Using Biogenic Selenium Nanoparticles from an Escherichia coli Strain Overexpressed Selenite Reductase CsrF. Nanomaterials, 2018, 8, 234.	1.9	20
267	Towards sustainable removal of methylthioninium chloride by using adsorption-electroradical regeneration. Chemosphere, 2018, 210, 476-485.	4.2	5
268	Chryseobacterium indologenes MUT.2 bacterial biopolymer as a novel green inhibitor protecting carbon steel corrosion in acidic solution. Journal of Environmental Chemical Engineering, 2018, 6, 4698-4705.	3.3	10
269	Novel route for amine grafting to chitosan electrospun nanofibers membrane for the removal of copper and lead ions from aqueous medium. Carbohydrate Polymers, 2018, 199, 406-414.	5.1	37
270	Development of Nanofibers Composed of Chitosan/Nylon 6 and Tannin/Nylon 6 for Effective Adsorption of Cr(VI). Journal of Polymers and the Environment, 2018, 26, 4073-4084.	2.4	22
271	Use of grape pomace as a biosorbent for the removal of the Brown KROM KGT dye. Bioresource Technology Reports, 2018, 2, 92-99.	1.5	27
272	Adsorption of myo-inositol hexakisphosphate in water using recycled water treatment residual. Environmental Science and Pollution Research, 2018, 25, 29593-29604.	2.7	8

#	Article	IF	Citations
273	Facile synthesis of carbon-coated layered double hydroxide and its comparative characterisation with Znâ€"Al LDH: application on crystal violet and malachite green dye adsorptionâ€"isotherm, kinetics and Box-Behnken design. Environmental Science and Pollution Research, 2018, 25, 30236-30254.	2.7	84
274	Adsorption of Pb(II) by a polyvinylidene fluoride membrane bearing chelating poly(amino phosphonic) Tj ETQq1 1 0.784314 rgBT /Overlo	1.5	9
275	Highly efficient and reusable mesoporous zeolite synthetized from a biopolymer for cationic dyes adsorption. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 556, 43-50.	2.3	92
276	Adsorption of thiosulphate, trithionate, tetrathionate using biomass ash/char. Journal of Environmental Chemical Engineering, 2018, 6, 5401-5408.	3.3	8
277	Adhesion of gram-negative bacteria onto Î±-Al2O3 nanoparticles: A study of surface behaviour and interaction mechanism. Journal of Environmental Chemical Engineering, 2018, 6, 3933-3941.	3.3	13
278	Adsorptive Removal of Sulfamethoxazole and Bisphenol A from Contaminated Water using Functionalized Carbonaceous Material Derived from Tea Leaves. Journal of Environmental Chemical Engineering, 2018, 6, 4215-4225.	3.3	62
279	Comparative study of Pb(II) adsorption onto MILâ€"101 and Feâ€"MILâ€"101 from aqueous solutions. Journal of Environmental Chemical Engineering, 2018, 6, 4093-4102.	3.3	65
280	Comparison of the adsorption behaviour of catechin onto cellulose and pectin. Food Chemistry, 2019, 271, 733-738.	4.2	25
281	Single and simultaneous adsorption of methyl orange and p-chlorophenol on organo-vermiculites modified by an asymmetric gemini surfactant. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2019, 580, 123740.	2.3	6
282	Preparation of CeO₂@SiO₂ Microspheres by a Non-sintering Strategy for Highly Selective and Continuous Adsorption of Fluoride Ions from Wastewater. ACS Sustainable Chemistry and Engineering, 2019, 7, 14716-14726.	3.2	42
283	Guar Gum as an Eco-Friendly Corrosion Inhibitor for Pure Aluminium in 1-M HCl Solution. Materials, 2019, 12, 2620.	1.3	43
284	Construction of composite chitosan-glucose hydrogel for adsorption of Co2+ ions. International Journal of Biological Macromolecules, 2019, 139, 213-220.	3.6	11
285	Functionalized MIL-53(Fe) as efficient adsorbents for removal of tetracycline antibiotics from aqueous solution. Microporous and Mesoporous Materials, 2019, 290, 109642.	2.2	117
286	Highly efficient and cost-effective removal of patulin from apple juice by surface engineering of diatomite with sulfur-functionalized graphene oxide. Food Chemistry, 2019, 300, 125111.	4.2	22
287	Hypercrosslinked Î²-cyclodextrin porous polymer as adsorbent for effective uptake towards albendazole from aqueous media. Separation and Purification Technology, 2019, 227, 115720.	3.9	22
288	Mesoporosity of Delignified Wood Investigated by Water Vapor Sorption. ACS Omega, 2019, 4, 12425-12431.	1.6	50
289	Linear and nonlinear behavior of crosslinked chitosan/N-doped graphene quantum dot nanocomposite films in cadmium cation uptake. Science of the Total Environment, 2019, 690, 1245-1253.	3.9	50
290	Morphology-controlled synthesis of calcium titanate particles and adsorption kinetics, isotherms, and thermodynamics of Cd(II), Pb(II), and Cu(II) cations. Journal of Hazardous Materials, 2019, 380, 120789.	6.5	36

#	Article	IF	Citations
291	Comparison between Asymmetric and Symmetric Gemini Surfactant-Modified Novel Organo-vermiculites for Removal of Phenols. Industrial & Engineering Chemistry Research, 2019, 58, 12927-12938.	1.8	18
292	Understanding kinetics and thermodynamics of the interactions between amitriptyline or eosin yellow and aminosilane-modified cellulose. Carbohydrate Polymers, 2019, 225, 115246.	5.1	16
293	Adsorption of phenol onto chitosan hydrogel scaffold modified with carbon nanotubes. Journal of Environmental Chemical Engineering, 2019, 7, 103460.	3.3	64
294	Nitrogen-doped flower-like porous carbon nanostructures for fast removal of sulfamethazine from water. Environmental Pollution, 2019, 255, 113229.	3.7	24
295	Application of Amberlite XAD-7HP resin impregnated with Aliquat 336 for the removal of Reactive Blue - 13 dye: Batch and fixed-bed column studies. Journal of Environmental Chemical Engineering, 2019, 7, 103502.	3.3	22
296	8-Hydroxyquinoline Anchoring 3-D Networking Silica Gel Utilizing Its HOMO as a Metal Trapping Center for Selective Sample Cleanup of Cu(II), Cr(III), and Co(II) and Chemical Speciation of Sorbed Species. Journal of Chemical & Engineering Data, 2019, 64, 5356-5372.	1.0	4
297	Adding value to natural clays as low-cost adsorbents of methylene blue in polluted water through honeycomb monoliths manufacture. SN Applied Sciences, 2019, 1, 1.	1.5	18
298	Adsorption and Electronâ€Transfer Mechanisms of Ferrocene Carboxylates and Sulfonates at Highly Oriented Pyrolytic Graphite. ChemElectroChem, 2019, 6, 5651-5660.	1.7	14
299	Adsorption of Lead, Cadmium, and Nickel on Benchmark Soils of Pakistan. Eurasian Soil Science, 2019, 52, 1063-1074.	0.5	3
300	Thermodynamics of adsorption on nanocellulose surfaces. Cellulose, 2019, 26, 249-279.	2.4	96
301	As(V) removal using biochar produced from an agricultural waste and prediction of removal efficiency using multiple regression analysis. Environmental Science and Pollution Research, 2019, 26, 32175-32188.	2.7	23
302	Hexavalent chromium adsorption on virgin, biochar, and chemically modified carbons prepared from Phanera vahlii fruit biomass: equilibrium, kinetics, and thermodynamics approach. Environmental Science and Pollution Research, 2019, 26, 32137-32150.	2.7	66
303	Comparison of the adsorption behaviors for methylene blue on two renewable gels with different physical state. Environmental Pollution, 2019, 254, 113117.	3.7	30
304	Modelling and optimization of photocatalytic degradation of phenol via TiO2 nanoparticles: An insight into response surface methodology and artificial neural network. Journal of Photochemistry and Photobiology A: Chemistry, 2019, 384, 112039.	2.0	115
305	Magnetic hollow poly(cyclotriphosphazene-co-4,4â€²-sulfonyldiphenol)-Fe3O4 hybrid nanocapsules for adsorbing Safranine T and catalytic oxidation of 3,3â€²,5,5â€²-tetramethylbenzidine. Journal of Colloid and Interface Science, 2019, 556, 278-291.	5.0	28
306	A novel hierarchical stiff carbon foam with graphene-like nanosheet surface as the desired adsorbent for malachite green removal from wastewater. Environmental Research, 2019, 179, 108746.	3.7	16
307	Adsorption characteristics and mechanism of Pb(II) by agricultural waste-derived biochars produced from a pilot-scale pyrolysis system. Waste Management, 2019, 100, 287-295.	3.7	75
308	Hypervalent silicon-based, anionic porous organic polymers with solid microsphere or hollow nanotube morphologies and exceptional capacity for selective adsorption of cationic dyes. Journal of Materials Chemistry A, 2019, 7, 393-404.	5.2	61

#	Article	IF	Citations
309	Graphene-like porous carbon nanostructure from Bengal gram bean husk and its application for fast and efficient adsorption of organic dyes. Applied Surface Science, 2019, 476, 647-657.	3.1	103
310	Pressure-varying Langmuir parameters and stepped nitrogen adsorption on alumina and silica. Physical Chemistry Chemical Physics, 2019, 21, 2558-2566.	1.3	7
311	Design of cucurbit[6]uril-based hypercrosslinked polymers for efficient capture of albendazole. Separation and Purification Technology, 2019, 216, 9-15.	3.9	15
312	Record high cationic dye separation performance for water sanitation using a neutral coordination framework. Journal of Materials Chemistry A, 2019, 7, 4751-4758.	5.2	44
313	Removal of 2-naphthalenesulfonic acid using novel dual functional weakly basic anion exchange resins from aqueous solution. Adsorption Science and Technology, 2019, 37, 260-273.	1.5	0
314	H3PO4-activated carbons produced from aÃ§ai stones and Brazil nut shells: removal of basic blue 26 dye from aqueous solutions by adsorption. Environmental Science and Pollution Research, 2019, 26, 28533-28547.	2.7	25
315	Preparation of PVDF/Hyperbranched-Nano-Palygorskite Composite Membrane for Efficient Removal of Heavy Metal Ions. Polymers, 2019, 11, 156.	2.0	16
316	Metal-organic framework MIL-53(Cr) as a superior adsorbent: Highly efficient separation of xylene isomers in liquid phase. Journal of Industrial and Engineering Chemistry, 2019, 77, 262-272.	2.9	22
317	Removal of toxic dyes from aqueous solution using new activated carbon materials developed from oil sludge waste. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2019, 578, 123505.	2.3	27
318	Effective adsorption of sulfamethoxazole by novel Organo-Vts and their mechanistic insights. Microporous and Mesoporous Materials, 2019, 286, 36-44.	2.2	36
319	Porous NiFe-oxide nanocubes derived from prussian blue analogue as efficient adsorbents for the removal of toxic metal ions and organic dyes. Journal of Hazardous Materials, 2019, 379, 120786.	6.5	53
320	Acetaminophen adsorption using a lowâ€cost adsorbent prepared from modified residues of Moringa oleifera Lam. seed husks. Journal of Chemical Technology and Biotechnology, 2019, 94, 3147-3157.	1.6	71
321	Chitosan cross-linked graphene oxide/lignosulfonate composite aerogel for enhanced adsorption of methylene blue in water. International Journal of Biological Macromolecules, 2019, 136, 927-935.	3.6	131
322	Mechanism of As(V) removal by green synthesized iron nanoparticles. Journal of Hazardous Materials, 2019, 379, 120811.	6.5	59
323	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. Journal of Hazardous Materials, 2019, 379, 120804.	6.5	21
324	Magnetic porous polymer microspheres: Synthesis, characterization and adsorption performance for the removal of phenol. Journal of Macromolecular Science - Pure and Applied Chemistry, 2019, 56, 564-576.	1.2	10
325	Chitosan-Based Hydrogels. Sustainable Agriculture Reviews, 2019, , 147-173.	0.6	3
326	Biopolymer modified transition metal spinel ferrites for removal of fluoride ions from water. Environmental Nanotechnology, Monitoring and Management, 2019, 12, 100237.	1.7	12

#	Article	IF	Citations
327	Characterization and adsorption performance of graphene oxide â€“ montmorillonite nanocomposite for the simultaneous removal of Pb2+ and p-nitrophenol. Journal of Hazardous Materials, 2019, 378, 120739.	6.5	48
328	Gemini surfactant modified organo-clays for removal of organic pollutants from water: A review. Chemical Engineering Journal, 2019, 375, 121910.	6.6	90
329	Kinetics and Thermodynamics of Efficient Phosphorus Removal by a Composite Fiber. Applied Sciences (Switzerland), 2019, 9, 2220.	1.3	18
330	Electrochemical behavior of polyaniline nanoparticles suspension: Adsorption and diffusion. Journal of Molecular Liquids, 2019, 288, 110999.	2.3	8
331	Immobilisation of Cd(II) on biogenic and abiotic calcium carbonate. Journal of Hazardous Materials, 2019, 378, 120707.	6.5	40
332	Green chemical synthesis of new chelating fiber and its mechanism for recovery gold from aqueous solution. Journal of Hazardous Materials, 2019, 378, 120674.	6.5	25
333	Stepwise adsorption-oxidation removal of oxytetracycline by Zn0-CNTs-Fe3O4 from aqueous solution. Chemical Engineering Journal, 2019, 375, 121963.	6.6	35
334	Sorption behavior of polyvinyl alcohol/bentonite hydrogels for dyes removal. Journal of Polymer Research, 2019, 26, 1.	1.2	41
335	Synthesis and application of sugarcane bagasse cellulose mixed esters. Part II: Removal of Co2+ and Ni2+ from single spiked aqueous solutions in batch and continuous mode. Journal of Colloid and Interface Science, 2019, 552, 337-350.	5.0	8
336	Characteristic and mechanism of sorption and desorption of benzene on humic acid. Environmental Science and Pollution Research, 2019, 26, 20277-20285.	2.7	15
337	Study of the dispersion and specific interactions affected by chemical functions of the granular activated carbons. Environmental Nanotechnology, Monitoring and Management, 2019, 12, 100230.	1.7	13
338	An experimental approach for determining thermodynamic surface complexation descriptors of weak-acid oxyanions onto metal (hydr)oxides: Case study of arsenic and titanium dioxide. Science of the Total Environment, 2019, 677, 167-174.	3.9	4
339	An efficient and no pollutants deproteinization method for polysaccharide from Arca granosa by palygorskite adsorption treatment. Journal of Cleaner Production, 2019, 226, 781-792.	4.6	11
340	Removal kinetics of cationic azo-dye from aqueous solution by poly-Î³-glutamic acid biosorbent: Contributions of adsorption and complexation/precipitation to Basic Orange 2 removal. Journal of Environmental Chemical Engineering, 2019, 7, 103157.	3.3	24
341	Treatment of soil washing wastewater via adsorption of lead and zinc using graphene oxide. Environmental Science and Pollution Research, 2019, 26, 17292-17304.	2.7	7
342	Effect of sludge property on the synthesis, characterization and sorption performance of sludge-based biochar. Bioresource Technology Reports, 2019, 7, 100204.	1.5	8
343	Effect of ammonia nitrogen and low-molecular-weight organics on the adsorption of additives on coal surface: A combination of experiments and molecular dynamics simulations. Chemical Engineering Science, 2019, 205, 134-142.	1.9	19
344	Adsorption of organic micropollutants onto biochar: a review of relevant kinetics, mechanisms and equilibrium. Environmental Science: Water Research and Technology, 2019, 5, 821-838.	1.2	164

#	Article	IF	Citations
345	Prediction of entropy and Gibbs free energy for nitrogen. Chemical Engineering Science, 2019, 202, 70-74.	1.9	109
346	A comparison of sorptive removal of anthraquinone and azo dyes using fly ash from single and binary solutions. Journal of Hazardous Materials, 2019, 371, 94-107.	6.5	40
347	Adsorptive treatment via simultaneous removal of copper, lead and zinc from soil washing wastewater using spent coffee grounds. Water Science and Technology, 2019, 79, 1029-1041.	1.2	23
348	Enhanced dyes adsorption from wastewater via Fe3O4 nanoparticles functionalized activated carbon. Journal of Hazardous Materials, 2019, 373, 397-407.	6.5	257
349	Synthesis of Copper Oxide Nanowires-Activated Carbon (AC@CuO-NWs) and Applied for Removal Methylene Blue from Aqueous Solution: Kinetics, Isotherms, and Thermodynamics. Journal of Inorganic and Organometallic Polymers and Materials, 2019, 29, 1658-1668.	1.9	30
350	Theoretical investigation of the solubility of some antiemetic drugs. Journal of Molecular Liquids, 2019, 282, 626-632.	2.3	7
351	Solâ€"Gel Derived Benzo-Crown Ether-Functionalized Silica Gel for Selective Adsorption of Ca‹sup›2+‹/sup› Ions. Journal of Chemical & Engineering Data, 2019, 64, 1378-1384.	1.0	18
352	Development of Phyllanthus emblica (L) fruit as a carrier for EGCG: Interaction and in vitro digestion study. Journal of Food Processing and Preservation, 2019, 43, e13951.	0.9	2
353	Wood residue reuse for a synthesis of lignocellulosic biosorbent: characterization and application for simultaneous removal of copper (II), Reactive Blue 19 and cyprodinil from water. Wood Science and Technology, 2019, 53, 619-647.	1.4	3
354	Sustainable synthesis and remarkable adsorption capacity of MOF/graphene oxide and MOF/CNT based hybrid nanocomposites for the removal of Bisphenol A from water. Science of the Total Environment, 2019, 673, 306-317.	3.9	143
355	Adsorptive performance of a mixture of three nonliving algae classes for nickel remediation in synthesized wastewater. Journal of Environmental Health Science & Engineering, 2019, 17, 529-538.	1.4	29
356	High efficient adsorption and storage of iodine on S, N co-doped graphene aerogel. Journal of Hazardous Materials, 2019, 373, 705-715.	6.5	73
357	Factors influencing the gas adsorption thermodynamic characteristics of low-rank coal. Fuel, 2019, 248, 117-126.	3.4	34
358	Synthesis of mesoporous rebar MWCNT/alumina composite (RMAC) nodules for the effective removal of methylene blue and Cr (VI) from an aqueous medium. Journal of Hazardous Materials, 2019, 374, 140-151.	6.5	44
359	Elucidation of retention behaviors in reversed-phase liquid chromatography as a function of mobile phase composition. Journal of Chromatography A, 2019, 1595, 127-135.	1.8	15
360	Biosorption of glycerol impurities from biodiesel production onto electrospun chitosan-based nanofibers: equilibrium and thermodynamic evaluations. Environmental Science and Pollution Research, 2019, 26, 28436-28443.	2.7	6
361	Room-temperature synthesis of microporous organic network for efficient adsorption and removal of tetrabromobisphenol A from aqueous solution. Chemical Engineering Journal, 2019, 368, 589-597.	6.6	37
362	Fast removal of methylene blue and Hg(II) from aqueous solution using a novel super-adsorbent containing residues of glycine and maleic acid. Journal of Hazardous Materials, 2019, 369, 642-654.	6.5	38

#	Article	IF	Citations
363	Preparation of montmorillonite grafted polyacrylic acid composite and study on its adsorption properties of lanthanum ions from aqueous solution. Environmental Science and Pollution Research, 2019, 26, 9861-9875.	2.7	8
364	Bakelite-type anionic microporous organic polymers with high capacity for selective adsorption of cationic dyes from water. Chemical Engineering Journal, 2019, 366, 404-414.	6.6	61
365	Synthesis of a novel 3,5-diacrylamidobenzoic acid based hyper-cross-linked resin for the efficient adsorption of Congo Red and Rhodamine B. Journal of Hazardous Materials, 2019, 369, 528-538.	6.5	74
366	Eco-friendly celluloseâ€“bentonite porous composite hydrogels for adsorptive removal of azo dye and soilless culture. Cellulose, 2019, 26, 3339-3358.	2.4	58
367	Construction of magnetic lignin-based adsorbent and its adsorption properties for dyes. Journal of Hazardous Materials, 2019, 369, 50-61.	6.5	174
368	Response to â€œSome 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 - Journal of Molecular Liquids 273 (2019) 425â€“434.â€• Journal of Molecular Liquids, 2019, 280, 298-300.	2.3	101
369	Micro Solid Phase Extraction Surface-Enhanced Raman Spectroscopy (Î¼-SPE/SERS) Screening Test for the Detection of the Synthetic Cannabinoid JWH-018 in Oral Fluid. Analytical Chemistry, 2019, 91, 4780-4789.	3.2	38
370	Adsorption behavior and selectivity mechanism of flotation reagents applied in ternary plastic mixtures. Waste Management, 2019, 87, 565-576.	3.7	19
371	Application of biochar for acid gas removal: experimental and statistical analysis using CO2. Environmental Science and Pollution Research, 2019, 26, 10902-10915.	2.7	21
372	Biosorption of nickel(II) and copper(II) ions from synthetic and real effluents by alginate-based biosorbent produced from seaweed Sargassum sp.. Environmental Science and Pollution Research, 2019, 26, 11100-11112.	2.7	21
373	Effects of the combinations of 6 materials on the improvements in contaminant removals from surface water: purification mechanisms and adsorption kinetics. IOP Conference Series: Earth and Environmental Science, 2019, 398, 012007.	0.2	0
374	Adsorption of Arsenic and Lead onto Stone Powder and Chitosan-Coated Stone Powder. Processes, 2019, 7, 599.	1.3	7
375	Asphaltene Adsorption using Nanoparticles with Different Surface Chemistry: Equilibrium and Thermodynamics Studies. Petroleum Chemistry, 2019, 59, 1201-1206.	0.4	13
376	Synthesis of NH‹sub›2‹/sub›â€MILâ€125/NH‹sub›2‹/sub›â€MILâ€125â€P@TiO‹sub›2‹/sub› and Its Adsorption to Uranyl Ions. ChemistrySelect, 2019, 4, 12801-12806.	0.7	6
377	Evaluating Biochar Impact on Topramezone Adsorption Behavior on Soil under No-Tillage and Rotary Tillage Treatments: Isotherms and Kinetics. International Journal of Environmental Research and Public Health, 2019, 16, 5034.	1.2	7
378	Enhancing adsorption capacity of Egyptian diatomaceous earth by thermo-chemical purification: Methylene blue uptake. Journal of Colloid and Interface Science, 2019, 534, 408-419.	5.0	58
379	Synthesis and application of sugarcane bagasse cellulose mixed esters. Part I: Removal of Co2+ and Ni2+ from single spiked aqueous solutions in batch mode using sugarcane bagasse cellulose succinate phthalate. Journal of Colloid and Interface Science, 2019, 533, 678-691.	5.0	15
380	Magnetic ordered mesoporous carbon materials for adsorption of minocycline from aqueous solution: Preparation, characterization and adsorption mechanism. Journal of Hazardous Materials, 2019, 362, 1-8.	6.5	103

#	Article	IF	Citations
381	Cu and Co nanoparticles co-doped MIL-101 as a novel adsorbent for efficient removal of tetracycline from aqueous solutions. Science of the Total Environment, 2019, 650, 408-418.	3.9	182
382	Fabrication of methyl acrylate and tetraethylenepentamine grafted magnetic chitosan microparticles for capture of Cd(II) from aqueous solutions. Journal of Hazardous Materials, 2019, 366, 346-357.	6.5	83
383	Phosphorus adsorption in Fe-loaded activated carbon: Two-site monolayer equilibrium model and phenomenological kinetic description. Chemical Engineering Journal, 2019, 361, 751-763.	6.6	57
384	Simultaneous removal of tetracycline and oxytetracycline antibiotics from wastewater using a ZIF-8 metal organic-framework. Journal of Hazardous Materials, 2019, 366, 563-572.	6.5	386
385	Use of waste Japonochytrium sp. biomass after lipid extraction as an efficient adsorbent for triphenylmethane dye applied in aquaculture. Biomass Conversion and Biorefinery, 2019, 9, 479-488.	2.9	11
386	Synergistic removal of arsanilic acid using adsorption and magnetic separation technique based on Fe3O4@ graphene nanocomposite. Journal of Industrial and Engineering Chemistry, 2019, 70, 346-354.	2.9	76
387	Equilibrium and kinetic studies for silver removal from aqueous solution by hybrid hydrogels. Journal of Hazardous Materials, 2019, 365, 237-244.	6.5	35
388	Living biomass supported on a natural-fiber biofilter for lead removal. Journal of Environmental Management, 2019, 231, 825-832.	3.8	16
389	A novel acid modified alumina adsorbent with enhanced defluoridation property: Kinetics, isotherm study and applicability on industrial wastewater. Journal of Hazardous Materials, 2019, 365, 868-882.	6.5	106
390	Treatment of industrial glycerol from biodiesel production by adsorption operation: kinetics and thermodynamics analyses. Chemical Engineering Communications, 2019, 206, 1388-1398.	1.5	5
391	Synthesis, characterization and application of surface-modified biochar synthesized from rice husk, an agro-industrial waste for the removal of hexavalent chromium from drinking water at near-neutral pH. Clean Technologies and Environmental Policy, 2019, 21, 447-462.	2.1	35
392	Role of EDTA on the Pd(II) adsorption characteristics of chitosan cross-linked 3-amino-1,2,4-triazole-5-thiol derivative from synthetic electroless plating solutions. International Journal of Biological Macromolecules, 2019, 127, 320-329.	3.6	13
393	Adsorption of diclofenac sodium onto commercial organoclay: Kinetic, equilibrium and thermodynamic study. Powder Technology, 2019, 345, 140-150.	2.1	87
394	Development of high quality activated carbon from biological sludge and its application for dyes removal from aqueous solutions. Science of the Total Environment, 2019, 660, 277-287.	3.9	109
395	A facile synthesis of hydroxyapatite for effective removal strontium ion. Journal of Hazardous Materials, 2019, 368, 326-335.	6.5	65
396	The adsorption of gold(I) on minerals and activated carbon (preg-robbing) in non-ammoniacal thiosulfate solutions - effect of calcium thiosulfate, silver(I), copper(I) and polythionate ions. Hydrometallurgy, 2019, 184, 206-217.	1.8	13
397	Biosorption-a green method for the preconcentration of rare earth elements (REEs) from waste solutions: A review. Journal of Molecular Liquids, 2019, 274, 148-164.	2.3	125
398	Valorization of palm oil agro-waste into cellulose biosorbents for highly effective textile effluent remediation. Journal of Cleaner Production, 2019, 210, 697-709.	4.6	68

#	Article	IF	Citations
399	Biosorption for removal of hexavalent chromium using microalgae Scenedesmus sp.. Journal of Cleaner Production, 2019, 209, 617-629.	4.6	200
400	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. Journal of Molecular Liquids, 2019, 273, 425-434.	2.3	1,105
401	Study on the adsorption behavior of glycerin from fatty acid methyl esters by a tertiary amine-type anion exchange resin. Journal of Chromatography A, 2019, 1586, 62-71.	1.8	17
402	Kinetics of cinnamaldehyde hydrogenation in four phase system. Chemical Engineering Journal, 2019, 377, 120512.	6.6	12
403	Efficient separation of triglyceride from blood serum using Cinnamon as a novel biosorbent: Adsorption thermodynamics, kinetics, isothermal and process optimization using response surface methodology. Process Biochemistry, 2019, 77, 122-136.	1.8	15
404	Evaluation of thermodynamic parameters for adsorption of heavy metals by green adsorbents. Environmental Chemistry Letters, 2019, 17, 697-704.	8.3	179
405	Fabrication of a versatile lignin-based nano-trap for heavy metal ion capture and bacterial inhibition. Chemical Engineering Journal, 2019, 358, 310-320.	6.6	95
406	Application of multiwalled carbon nanotubes and its magnetite derivative for emulsified oil removal from produced water. Environmental Technology (United Kingdom), 2019, 40, 3337-3350.	1.2	9
407	Adsorption of naturals hormones estrone, 17Î²-estradiol, and estriol by rice husk: monocomponent and multicomponent kinetics and equilibrium. Environmental Technology (United) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.8	8
408	Kinetics and thermodynamic studies of Cr(VI) adsorption using environmental friendly multifunctional zeolites synthesized from coal fly ash under mild conditions. Chemical Engineering Communications, 2020, 207, 808-825.	1.5	18
409	Batch adsorption of lead (Î™Î™) from aqueous solution onto novel polyoxyethylene sorbitan monooleate/ethyl cellulose microfiber adsorbent: Kinetic, isotherm and thermodynamic studies. Separation Science and Technology, 2020, 55, 1051-1061.	1.3	10
410	Adsorption of low concentrations of bromide ions from water by cellulose-based beads modified with TEMPO-mediated oxidation and Fe(III) complexation. Journal of Hazardous Materials, 2020, 384, 121195.	6.5	25
411	Nanoporous composites of activated carbon-metal organic frameworks for organic dye adsorption: Synthesis, adsorption mechanism and kinetics studies. Journal of Industrial and Engineering Chemistry, 2020, 81, 405-414.	2.9	169
412	Mutual effect of U(VI) and phosphate on the reactivity of nanoscale zero-valent iron (nZVI) for their co-removal. Journal of Molecular Liquids, 2020, 297, 111853.	2.3	21
413	Development of nano-silver doped zeolite A synthesized from Nigerian Ahoko kaolin for treatment of wastewater of a typical textile company. Chemical Engineering Communications, 2020, 207, 1114-1137.	1.5	8
414	Adsorption and kinetic studies of methylene blue on modified HUSY zeolite and an amorphous mixture of Î³-alumina and silica. Separation Science and Technology, 2020, 55, 2642-2658.	1.3	5
415	Combinatorial optimality of functional groups, process parameters, and Pd(II) adsorptionâ€“desorption characteristics for commercial anion exchange resins-synthetic electroless plating systems. Environmental Science and Pollution Research, 2020, 27, 24614-24626.	2.7	5
416	Biosorption of direct black dye by cassava root husks: Kinetics, equilibrium, thermodynamics and mechanism assessment. Journal of Environmental Chemical Engineering, 2020, 8, 103533.	3.3	28

#	Article	IF	Citations
417	Adsorption of rare earth metals from wastewater by nanomaterials: A review. Journal of Hazardous Materials, 2020, 386, 121632.	6.5	180
418	Electrokinetic effects on the interaction of phenanthrene with geo-sorbents. Chemosphere, 2020, 242, 125161.	4.2	7
419	Sustainable removal of Hg(II) by sulfur-modified pine-needle biochar. Journal of Hazardous Materials, 2020, 388, 122048.	6.5	71
420	Effect of molecular structure on the adsorption affinity of sulfonamides onto CNTs: Batch experiments and DFT calculations. Chemosphere, 2020, 246, 125778.	4.2	58
421	Liquid-phase adsorption: Common problems and how we could do better. Journal of Molecular Liquids, 2020, 301, 112378.	2.3	26
422	Synthesis and application of Cu-BTC@ZSM-5 composites as effective adsorbents for removal of toluene gas under moist ambience: kinetics, thermodynamics, and mechanism studies. Environmental Science and Pollution Research, 2020, 27, 6052-6065.	2.7	14
423	Experiments and molecular dynamics simulations on the adsorption of naphthalenesulfonic formaldehyde condensates at the coal-water interface. Fuel, 2020, 264, 116838.	3.4	21
424	Preparation of polymer functionalized layered double hydroxide through mussel-inspired chemistry and Kabachnikâ€“Fields reaction for highly efficient adsorption. Journal of Environmental Chemical Engineering, 2020, 8, 103634.	3.3	17
425	Magnetic chitosan biopolymer as a versatile adsorbent for simultaneous and synergistic removal of different sorts of dyestuffs from simulated wastewater. Chemical Engineering Journal, 2020, 385, 123926.	6.6	98
426	The effects of continuous- and stop-flow gas streams on adsorptive removal of benzene vapor using type â€“ II covalent organic polymers. Environmental Research, 2020, 182, 109043.	3.7	13
427	Evaluation of the performance of zirconia-multiwalled carbon nanotube nanoheterostructures in adsorbing As(III) from potable water from the perspective of physical chemistry and chemical physics with a special emphasis on approximate site energy distribution. Chemosphere, 2020, 242, 125234.	4.2	14
428	Use of chicken feather and eggshell to synthesize a novel magnetized activated carbon for sorption of heavy metal ions. Bioresource Technology, 2020, 297, 122452.	4.8	120
429	Insight into ex-situ thermal desorption of soils contaminated with petroleum via carbon number-based fraction approach. Chemical Engineering Journal, 2020, 385, 123946.	6.6	38
430	Preparation of a porous graphene oxide/alkali lignin aerogel composite and its adsorption properties for methylene blue. International Journal of Biological Macromolecules, 2020, 143, 325-333.	3.6	101
431	Fabrication and investigation of gold (III) ionâ€imprinted functionalized silica particles. Journal of Molecular Recognition, 2020, 33, e2813.	1.1	1
432	Uranium (VI) adsorption by copper and copper/iron bimetallic central MOFs. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 587, 124334.	2.3	48
433	Europium(III) functionalized 3D covalent organic framework for quinones adsorption and sensing investigation. Journal of Hazardous Materials, 2020, 388, 121740.	6.5	37
434	Optimization on preparation of Fe3O4/chitosan as potential matrix material for the removal of microcystin-LR and its evaluation of adsorption properties. International Journal of Biological Macromolecules, 2020, 156, 1574-1583.	3.6	24

#	Article	IF	Citations
435	Thermodynamic analysis of acetaminophen and salicylic acid adsorption onto granular activated carbon: Importance of chemical surface and effect of ionic strength. Thermochimica Acta, 2020, 683, 178467.	1.2	27
436	Scalable Fe@FeO core-shell nanoparticle-embedded porous wood for high-efficiency uranium(VI) adsorption. Applied Surface Science, 2020, 508, 144709.	3.1	23
437	Highly selective and efficient lignin-magnesium for removing cationic dyes from wastewater. Journal of Environmental Chemical Engineering, 2020, 8, 104283.	3.3	10
438	Interface between Waterâ€"Solvent Mixtures and a Hydrophobic Surface. Langmuir, 2020, 36, 12077-12086.	1.6	4
439	Understanding the effect of H₂O on CO₂ adsorption capture: mechanism explanation, quantitative approach and application. Sustainable Energy and Fuels, 2020, 4, 5970-5986.	2.5	20
440	Syringa vulgaris leaves powder a novel low-cost adsorbent for methylene blue removal: isotherms, kinetics, thermodynamic and optimization by Taguchi method. Scientific Reports, 2020, 10, 17676.	1.6	36
441	Efficiency of Acacia Gummifera powder as biosorbent for simultaneous decontamination of water polluted with metals. Arabian Journal of Chemistry, 2020, 13, 7459-7481.	2.3	14
442	Employing corn derived products to reduce the corrosivity of pavement deicing materials. Construction and Building Materials, 2020, 263, 120662.	3.2	25
443	Effective removal of arsenic from an aqueous solution by ferrihydrite/goethite graphene oxide composites using the modified Hummers method. Journal of Environmental Chemical Engineering, 2020, 8, 104416.	3.3	17
444	Synthesis, characterization and application of cross-linked chitosan/oxalic acid hydrogels to improve azo dye (Reactive Red 195) adsorption. Reactive and Functional Polymers, 2020, 155, 104699.	2.0	53
445	Value-added utilization of paper sludge: Preparing activated carbon for efficient adsorption of Cr(VI) and further hydrogenation of furfural. Science of the Total Environment, 2020, 741, 140265.	3.9	32
446	Adsorption of basic green 4 onto gasified Glyricidia sepium woodchip based activated carbon: Optimization, characterization, batch and column study. Arabian Journal of Chemistry, 2020, 13, 6887-6903.	2.3	29
447	Adsorption of Myoglobin and Corona Formation on Silica Nanoparticles. Langmuir, 2020, 36, 14157-14165.	1.6	33
448	A kinetic/thermodynamic study of transparent co-adsorbents and colored dye molecules in visible light based on microgravimetric quartz-crystal microbalance on porous TiO₂films for dye-sensitized solar cells. Physical Chemistry Chemical Physics, 2020, 22, 26828-26837.	1.3	2
449	Photocatalytic hydrogel layer supported on alkali modified straw fibers for ciprofloxacin removal from water. Journal of Molecular Liquids, 2020, 317, 113961.	2.3	16
450	Efficient adsorbent derived from Argania Spinosa for the adsorption of cationic dye: Kinetics, mechanism, isotherm and thermodynamic study. Surfaces and Interfaces, 2020, 20, 100601.	1.5	32
451	Evaluation of thermodynamic parameters via reaction stoichiometry and the corrected Langmuir parameter for sorption of Cu(II) on chitosan and chitosan blended PVA films. Journal of Molecular Liquids, 2020, 317, 113962.	2.3	15
452	Removal of cationic dye using alginateâ€"organobentonite composite beads. Euro-Mediterranean Journal for Environmental Integration, 2020, 5, 1.	0.6	6

#	Article	IF	Citations
453	Selective Removal of Cu2+ Ion in Aqueous Solution by Poly (Acrylic Acid/Acrylamide) Hydrogel. Chinese Journal of Analytical Chemistry, 2020, 48, e20098-e20106.	0.9	3
454	Neodymium recovery from aqueous solution through adsorption/desorption onto expanded vermiculite. Applied Clay Science, 2020, 198, 105825.	2.6	28
455	Dual-Function Synergists Based on Glucose and Sucrose for Gas Hydrate and Corrosion Inhibition. Energy & Fuels, 2020, 34, 13717-13727.	2.5	30
456	Inverse liquidâ€solid chromatography to evaluate drug interactions with organosilaneâ€modified polydimethylsiloxane for use in bodyâ€onâ€aâ€chip systems. Biotechnology Progress, 2020, 36, e3048.	1.3	1
457	Preparation of graphene oxide from Bio-soot wastes: As an efficient adsorbent for highly noxious Congo red dye. FlatChem, 2020, 24, 100198.	2.8	19
458	Easy-to-prepare graphene oxide/sodium montmorillonite polymer nanocomposite with enhanced adsorption performance. Journal of Water Process Engineering, 2020, 38, 101651.	2.6	65
459	The Physiochemical Properties and Adsorption Characteristics of Processed Pomelo Peel as a Carrier for Epigallocatechin-3-Gallate. Molecules, 2020, 25, 4249.	1.7	1
460	Residue Char Derived from Microwave-Assisted Pyrolysis of Sludge as Adsorbent for the Removal of Methylene Blue from Aqueous Solutions. Processes, 2020, 8, 979.	1.3	2
461	A Novel Solid Platformâ€"Based Ag Nanoparticles Chemically Impregnated Activated Carbon for Selective Separation of Tungstate Species in Water: Kinetics and Thermodynamic Study. Water, Air, and Soil Pollution, 2020, 231, 1.	1.1	1
462	Activated carbons from coffee husk: Preparation, characterization, and reactive red 195 adsorption. Journal of Chemical Research, 2021, 45, 380-394.	0.6	10
463	Comparative Study on the Adsorption Capacities of the Three Black Phosphorus-Based Materials for Methylene Blue in Water. Sustainability, 2020, 12, 8335.	1.6	10
464	Analysis of the performance of zirconia-multiwalled carbon nanotube nanoheterostructures in adsorbing As(V) from potable water from the aspects of physical chemistry with an emphasis on adsorption site energy distribution and density functional theory calculations. Microporous and Mesoporous Materials, 2020, 302, 110191.	2.2	14
465	Optimal conditions for adsorption of zinc from industrial wastewater using groundnut husk ash. Environmental Monitoring and Assessment, 2020, 192, 345.	1.3	11
466	PPI-Dendrimer-Functionalized Magnetic Metalâ€"Organic Framework (Fe₃O₄@MOF@PPI) with High Adsorption Capacity for Sustainable Wastewater Treatment. ACS Applied Materials & Interfaces, 2020, 12, 25294-25303.	4.0	111
467	Development of Spirulina/chitosan foam adsorbent for phenol adsorption. Journal of Molecular Liquids, 2020, 309, 113256.	2.3	45
468	Use of polyethylenimine functionalised magnetic nanoparticles for gold thiosulfate recovery. Hydrometallurgy, 2020, 195, 105375.	1.8	8
469	Ultrafast removal of radioactive strontium ions from contaminated water by nanostructured layered sodium vanadosilicate with high adsorption capacity and selectivity. Journal of Hazardous Materials, 2020, 398, 122907.	6.5	38
470	Isothermal titration calorimetry as a useful tool to examine adsorption mechanisms of phosphate on gibbsite at various solution conditions. Soil Science Society of America Journal, 2020, 84, 1110-1124.	1.2	5

#	Article	IF	Citations
471	Facile preparation of chitosan modified magnetic kaolin by one-pot coprecipitation method for efficient removal of methyl orange. Carbohydrate Polymers, 2020, 245, 116572.	5.1	39
472	Controlled preparation of cerium oxide loaded slag-based geopolymer microspheres (CeO2@SGMs) for the adsorptive removal and solidification of Fâ˜ from acidic waste-water. Journal of Hazardous Materials, 2020, 400, 123199.	6.5	40
473	Preparation of an environmentally friendly lead adsorbent. A contribution to the rational design of heavy metal adsorbents. Journal of Environmental Chemical Engineering, 2020, 8, 104210.	3.3	3
474	Bis-benzothiazoles as efficient corrosion inhibitors for mild steel in aqueous HCl: Molecular structure-reactivity correlation study. Journal of Molecular Liquids, 2020, 313, 113537.	2.3	49
475	Influence of Adsorbent/Adsorbate Interactions on the Removal of Cationic Surfactants from Water by Graphene Oxide. Water, Air, and Soil Pollution, 2020, 231, 1.	1.1	15
476	Anthocyanin based agricultural wastes as bio-adsorbents for scavenging radioactive iodide from aqueous environment. Journal of Environmental Chemical Engineering, 2020, 8, 104147.	3.3	14
477	Wood-based cellulose nanocrystals as adsorbent of cationic toxic dye, Auramine O, for water treatment. Journal of Environmental Chemical Engineering, 2020, 8, 104187.	3.3	22
478	Chemical regeneration of granular activated carbon: preliminary evaluation of alternative regenerant solutions. Environmental Science: Water Research and Technology, 2020, 6, 2043-2056.	1.2	46
479	Nanostructured chitosan/molecular sieve-4A an emergent material for the synergistic adsorption of radioactive major pollutants cesium and strontium. Journal of Hazardous Materials, 2020, 392, 122494.	6.5	50
480	Adsorption of Chelerythrine from Toddalia asiatica (L.) Lam. by ZSM-5. Advances in Polymer Technology, 2020, 2020, 1-9.	0.8	2
481	Adsorption and anti-corrosion characteristics of vanillin Schiff bases on mild steel in 1 M HCl: experimental and theoretical study. RSC Advances, 2020, 10, 9258-9273.	1.7	44
482	Dipyridyl-based organo-silica nanosheets for three emerging micropollutants efficient removal: Adsorption performance and mechanisms. Journal of Cleaner Production, 2020, 260, 121149.	4.6	20
483	Stable cellulose-based porous binary metalâ€"organic gels as highly efficient adsorbents and their application in an adsorption bed for chlortetracycline hydrochloride decontamination. Journal of Materials Chemistry A, 2020, 8, 6670-6681.	5.2	19
484	Adsorption of Fatty Acid Molecules on Amine-Functionalized Silica Nanoparticles: Surface Organization and Foam Stability. Langmuir, 2020, 36, 3703-3712.	1.6	24
485	Adsorption of Reactive Blue-13, an Acidic Dye, from Aqueous Solution Using Magnetized Activated Carbon. Journal of Chemical & Engineering Data, 2020, 65, 2220-2229.	1.0	17
486	Preparation of C-MOx nanocomposite for efficient adsorption of heavy metal ions via mechanochemical reaction of CaC2 and transitional metal oxides. Journal of Hazardous Materials, 2020, 393, 122487.	6.5	33
487	A selective and easily recyclable dimer based on a calix[4]pyrrole derivative for the removal of mercury(ii) from water. RSC Advances, 2020, 10, 3060-3071.	1.7	0
488	Characterization of Drugâ€"Polymer Adsorption Isotherms in Body-on-a-Chip Systems by Inverse Liquidâ€"Solid Chromatography. ACS Biomaterials Science and Engineering, 2020, 6, 4462-4475.	2.6	1

#	Article	IF	Citations
489	Comparison of adsorption behaviors of Fe-La oxides co-loaded MgO nanosheets for the removal of methyl orange and phosphate in single and binary systems. Journal of Environmental Chemical Engineering, 2020, 8, 104252.	3.3	36
490	Optical sensing of hydrogen peroxide using starch capped silver nanoparticles, synthesis, optimization and detection in urine. Sensors and Actuators Reports, 2020, 2, 100014.	2.3	10
491	Adsorptive removal of Co(II) in aqueous solutions using clearing nut seed powder. Heliyon, 2020, 6, e03684.	1.4	7
492	Adsorption and controlled release of iron-chelating drug from the amino-terminated PAMAM/ordered mesoporous silica hybrid materials. Journal of Drug Delivery Science and Technology, 2020, 56, 101579.	1.4	13
493	Efficient protein delivery systems based on hierarchical zeolite microspheres constructed by MWW-nanosheets. Microporous and Mesoporous Materials, 2020, 298, 110098.	2.2	9
494	Adsorption of Tetracycline by Shrimp Shell Waste from Aqueous Solutions: Adsorption Isotherm, Kinetics Modeling, and Mechanism. ACS Omega, 2020, 5, 3467-3477.	1.6	75
495	A novel ionic liquid-impregnated chitosan application for separation and purification of fission ⁹⁹Mo from alkaline solution. Radiochimica Acta, 2020, 108, 649-659.	0.5	9
496	Imidazolium Salt-Incorporated Postcross-Linked Porous Polymers for Efficient Adsorption of Rhodamine B and Cd²⁺ from Aqueous Solution. Journal of Chemical & Engineering Data, 2020, 65, 1850-1856.	1.0	10
497	A novel one-step method for preparation of sulfonate functionalized nanodiamonds and their utilization for ultrafast removal of organic dyes with high efficiency: Kinetic and isotherm studies. Journal of Environmental Chemical Engineering, 2020, 8, 103780.	3.3	24
498	Shape-selective adsorption mechanism of CS-Z1 microporous molecular sieve for organic pollutants. Journal of Hazardous Materials, 2020, 392, 122314.	6.5	26
499	Thermodynamic data of phenol adsorption on chemically modified activated carbons. Data in Brief, 2020, 29, 105240.	0.5	4
500	Optimization of preparation technology for modified coal fly ash and its adsorption properties for Cd2+. Journal of Hazardous Materials, 2020, 392, 122461.	6.5	78
501	A novel Fe3+-stabilized magnetic polydopamine composite for enhanced selective adsorption and separation of Methylene blue from complex wastewater. Journal of Hazardous Materials, 2020, 392, 122263.	6.5	96
502	Effect of acid activation on the CO2 adsorption capacity of montmorillonite. Adsorption, 2020, 26, 793-811.	1.4	21
503	Cationization of cotton with ovalbumin to improve dyeing of modified cotton with cochineal natural dye. Textile Reseach Journal, 2020, 90, 1805-1822.	1.1	25
504	Adsorption kinetics and thermodynamics of yeast Î²-glucan for off-odor compounds in silver carp mince. Food Chemistry, 2020, 319, 126232.	4.2	33
505	Oxidized Renewable Materials for the Removal of Cobalt(II) and Copper(II) from Aqueous Solution Using in Batch and Fixed-Bed Column Adsorption. Advances in Polymer Technology, 2020, 2020, 1-17.	0.8	7
506	Adsorption of Dyes Using Poly(vinyl alcohol) (PVA) and PVA-Based Polymer Composite Adsorbents: A Review. Journal of Polymers and the Environment, 2020, 28, 775-793.	2.4	101

#	Article	IF	Citations
507	Nanocomposites of zero-valent Iron@Activated carbon derived from corn stalk for adsorptive removal of tetracycline antibiotics. Chemosphere, 2020, 255, 126917.	4.2	85
508	Adsorption of n-butylparaben from aqueous solution on surface of modified granular activated carbons prepared from African palm shell. Thermodynamic study of interactions. Journal of Environmental Chemical Engineering, 2020, 8, 103969.	3.3	6
509	Renewable P-type zeolite for superior absorption of heavy metals: Isotherms, kinetics, and mechanism. Science of the Total Environment, 2020, 726, 138535.	3.9	46
510	Carbon Xerogels for Effluent Treatment. Journal of Chemical & Engineering Data, 2020, 65, 2255-2270.	1.0	25
511	Insights into the competitive adsorption of pollutants on a mesoporous aluminaâ€“silica nano-sorbent synthesized from coal fly ash and a waste aluminium foil. RSC Advances, 2020, 10, 15514-15522.	1.7	13
512	Fabrication of recyclable magnetic biosorbent from eggshell membrane for efficient adsorption of dye. Environmental Technology (United Kingdom), 2020, 42, 1-13.	1.2	2
513	Current scenario and challenges in adsorption for water treatment. Journal of Environmental Chemical Engineering, 2020, 8, 103988.	3.3	273
514	Removal of uranium (VI) from water by the action of microwave-rapid green synthesized carbon quantum dots from starch-water system and supported onto polymeric matrix. Journal of Hazardous Materials, 2020, 397, 122770.	6.5	73
515	Poly(<scp>l</scp>-lactic acid) Crystallization in Pressurized CO₂: An In Situ Microscopic Study and a New Model for Secondary Nucleation in Supercritical CO₂. Journal of Physical Chemistry C, 2020, 124, 9021-9034.	1.5	6
516	Adsorptive removal of enrofloxacin with magnetic functionalized graphene oxide@ metalâ€“organic frameworks employing Dâ€optimal mixture design. Water Environment Research, 2020, 92, 1935-1947.	1.3	41
517	Adsorption behavior of pristine, Al-, and Si-doped carbon nanotubes upon 5-fluorouracil. Chemical Physics Letters, 2020, 750, 137492.	1.2	26
518	Tuning molecular adsorption in SBA-15-type periodic mesoporous organosilicas by systematic variation of their surface polarity. Chemical Science, 2020, 11, 3702-3712.	3.7	10
519	Biosorption of chemical species by Sargassum algal biomass: Equilibrium data, part I. , 2020, , 675-696.		3
520	Adsorption characteristics of Barmer bentonite for hazardous waste containment application. Journal of Hazardous Materials, 2020, 396, 122594.	6.5	48
521	Dynamics of lattice defects in mixed DNA origami monolayers. Nanoscale, 2020, 12, 9733-9743.	2.8	10
522	Biosorption of hexavalent chromium from aqueous solution by polyethyleneimine-modified ultrasonic-assisted acid hydrochar from Sargassum horneri. Water Science and Technology, 2020, 81, 1114-1129.	1.2	13
523	Binding affinity of family 4 carbohydrate binding module on cellulose films of nanocrystals and nanofibrils. Carbohydrate Polymers, 2021, 251, 116725.	5.1	23
524	Comparative Adsorption of Pb2+ on Nanostructured Ironâ€“Zirconium Oxide with Fe-to-Zr Molar Ratio of 1:1 and 1:2: Thermodynamic and Kinetic Studies. Arabian Journal for Science and Engineering, 2021, 46, 287-300.	1.7	2

#	Article	IF	Citations
525	In situ nano-assembly of Mg/Al LDH embedded on phosphorylated cellulose microspheres for tetracycline hydrochloride removal. Cellulose, 2021, 28, 301-316.	2.4	15
526	Removal of bisphenol A by adsorption on organically modified clays from Burkina Faso. Bioremediation Journal, 2021, 25, 22-47.	1.0	9
527	Rapid elimination of trace bisphenol pollutants with porous Î²-cyclodextrin modified cellulose nanofibrous membrane in water: adsorption behavior and mechanism. Journal of Hazardous Materials, 2021, 403, 123666.	6.5	102
528	Study on adsorption of ammonia nitrogen by iron-loaded activated carbon from low temperature wastewater. Chemosphere, 2021, 262, 127895.	4.2	86
529	Two-dimension N-doped nanoporous carbon from KCl thermal exfoliation of Zn-ZIF-L: Efficient adsorption for tetracycline and optimizing of response surface model. Journal of Hazardous Materials, 2021, 402, 123498.	6.5	106
530	Enhanced adsorption/photocatalytic removal of Cu(â...¡) from wastewater by a novel magnetic chitosan@ bismuth tungstate coated by silver (MCTS-Ag/Bi2WO6) composite. Chemosphere, 2021, 263, 128120.	4.2	23
531	Air-water interfacial adsorption coefficients for PFAS when present as a multi-component mixture. Journal of Contaminant Hydrology, 2021, 236, 103731.	1.6	44
532	A flexible N-doped carbon-nanofiber film reinforced by halloysite nanotubes(HNTs) for adsorptive desulfurization. Journal of Hazardous Materials, 2021, 403, 123851.	6.5	27
533	Graphene oxide functionalized with nano hydroxyapatite for the efficient removal of U(VI) from aqueous solution. Environmental Pollution, 2021, 268, 115786.	3.7	56
534	Carbon gels derived from phenolic-oil for pollutants removal in water phase. Fuel Processing Technology, 2021, 211, 106588.	3.7	4
535	Effectively removing indole-3-butyric acid from aqueous solution with magnetic layered double hydroxide-based adsorbents. Journal of Hazardous Materials, 2021, 408, 124446.	6.5	20
536	Double-side microcantilevers as a key to understand the adsorption mechanisms and kinetics of chemical warfare agents on vertically-aligned TiO2 nanotubes. Journal of Hazardous Materials, 2021, 406, 124672.	6.5	12
537	Facile synthesis of chitosan-based acid-resistant composite films for efficient selective adsorption properties towards anionic dyes. Carbohydrate Polymers, 2021, 254, 117473.	5.1	64
538	Adsorption of Pb(II) and Cd(II) by magnetic activated carbon and its mechanism. Science of the Total Environment, 2021, 757, 143910.	3.9	195
539	Electrochemical and theoretical studies of some monoterpenic thiazolidinones as corrosion inhibitors for steel in acidic media. Journal of Adhesion Science and Technology, 2021, 35, 1404-1425.	1.4	12
540	Oxalated blast-furnace slag for the removal of Cobalt(II) ions from aqueous solutions. Journal of Industrial and Engineering Chemistry, 2021, 95, 57-65.	2.9	13
541	Reasonable calculation of the thermodynamic parameters from adsorption equilibrium constant. Journal of Molecular Liquids, 2021, 322, 114980.	2.3	58
542	Unveiling the correlation of Fe3O4 fractions upon the adsorption behavior of sulfamethoxazole on magnetic activated carbon. Science of the Total Environment, 2021, 757, 143717.	3.9	29

#	Article	IF	Citations
543	Fluorescence probing of binding sites on graphene oxide nanosheets with Oxazine 1 dye. Applied Surface Science, 2021, 541, 148451.	3.1	10
544	Adsorption-desorption and leaching behaviors of broflanilide in four texturally different agricultural soils from China. Journal of Soils and Sediments, 2021, 21, 724-735.	1.5	11
545	Characterisation of products from fungally modified wollastonite and the simulation experiment of Pb2+ fixation. Science of the Total Environment, 2021, 760, 143357.	3.9	4
546	Synthesis, characterization of iron-doped TiO2(B) nanoribbons for the adsorption of As(III) from drinking water and evaluating the performance from the perspective of physical chemistry. Journal of Molecular Liquids, 2021, 322, 114556.	2.3	10
547	Interaction between tetracycline and microorganisms during wastewater treatment: A review. Science of the Total Environment, 2021, 757, 143981.	3.9	120
548	Use of fibroin polypeptide from silk processing waste as an effective biosorbent for heavy metal removal. Canadian Journal of Chemical Engineering, 2021, 99, .	0.9	2
549	Rapid, high-efficient and selective removal of cationic dyes from wastewater using hollow polydopamine microcapsules: Isotherm, kinetics, thermodynamics and mechanism. Applied Surface Science, 2021, 542, 148633.	3.1	69
550	Synthesis and characterization of xylan-gelatin cross-linked reusable hydrogel for the adsorption of methylene blue. Carbohydrate Polymers, 2021, 256, 117520.	5.1	72
551	Enhancement of adsorption and photocatalytic activities of alkaline-based TiO2 nanotubes for experimental and theoretical investigation under FeCl3 and H2O2. Journal of Water Process Engineering, 2021, 39, 101715.	2.6	10
552	Ultrasonic-assisted synthesis of SiO2 nanoparticles and SiO2/chitosan/Fe nanocomposite and their application for vanadium adsorption from aqueous solution. Environmental Science and Pollution Research, 2021, 28, 11586-11597.	2.7	10
553	Efficient removal of Hg2+ from aqueous solution by a novel composite of nano humboldtine decorated almandine (NHDA): Ion exchange, reducing-oxidation and adsorption. Journal of Hazardous Materials, 2021, 404, 124035.	6.5	28
554	Assessment of Adsorption Capacity of Thiol-functionalized Titanate Nanotubes for Removal of Cu(II) and Ni(II) from Aqueous Solution via Static Adsorption. Iranica Journal of Energy & Environment, 2021, 12, .	0.2	2
555	Adsorption of Fe , Pb , Zn and Cr ions from aqueous solutions using natural, ammonium oxalate and sodium hydroxide modified Kaolinite clay. Ife Journal of Science, 2021, 22, 1-23.	0.1	1
556	Structure-based design of new diclofenac: Physicochemical, spectral, molecular docking, dynamics simulation and ADMET studies. Informatics in Medicine Unlocked, 2021, 25, 100677.	1.9	23
557	Recovery of rare earth elements by nanometric CeO₂ embedded into electrospun PVA nanofibres. RSC Advances, 2021, 11, 19351-19362.	1.7	6
558	Direct Quantification of Sorption Thermodynamics of Phosphate on Four Soil Colloids through Isothermal Titration Calorimetry. ACS Earth and Space Chemistry, 2021, 5, 295-304.	1.2	8
559	In situ quantitative study of the phase transition in surfactant adsorption layers at the silicaâ€"water interface using total internal reflection Raman spectroscopy. Physical Chemistry Chemical Physics, 2021, 23, 21701-21713.	1.3	1
560	Sorption/desorption of aqueous mercury ions [Hg2+] onto/from sulfur-impregnated attapulgite: Process optimization, co-existing anions and regeneration studies. Journal of the Taiwan Institute of Chemical Engineers, 2021, 119, 204-212.	2.7	5

#	Article	IF	Citations
561	Review Paper. Utilization of Low-Cost Adsorbents for the Adsorption Process of Chromium ions.. IOP Conference Series: Materials Science and Engineering, 2021, 1076, 012095.	0.3	1
562	Examining Thermodynamic Changes During Soil Moisture Loss. Geotechnical and Geological Engineering, 2021, 39, 4009-4016.	0.8	1
563	Comparative assessment of P adsorption, release kinetics, enzymatic activities of weathered fly ash amended texturally different soils. International Journal of Environmental Science and Technology, 2022, 19, 2089-2106.	1.8	4
564	Amino acid and cinnamaldehyde conjugated Schiff bases as proficient corrosion inhibitors for mild steel in 1ÂM HCl at higher temperature and prolonged exposure: Detailed electrochemical, adsorption and theoretical study. Journal of Molecular Liquids, 2021, 324, 115077.	2.3	45
565	FUNCTIONALIZED HALLOYSITE NANOTUBES FOR ENHANCED REMOVAL OF Hg2+ IONS FROM AQUEOUS SOLUTIONS. Clays and Clay Minerals, 2021, 69, 117-127.	0.6	5
566	Some Theoretical Aspects of Tertiary Treatment of Water/Oil Emulsions by Adsorption and Coalescence Mechanisms: A Review. Water (Switzerland), 2021, 13, 652.	1.2	14
567	Application of pyridine-modified chitosan derivative for simultaneous adsorption of Cu(II) and oxyanions of Cr(VI) from aqueous solution. Journal of Environmental Management, 2021, 282, 111939.	3.8	15
568	Amine and thiol functionalization of SBA-15 nanoparticles for highly efficient adsorption of sulforaphane. Advanced Powder Technology, 2021, 32, 779-790.	2.0	13
569	Hosting of the antibiotic Vancomycin by bentonite: Characterization and slow release study. Applied Clay Science, 2021, 202, 105965.	2.6	7
570	Aspects regarding colour fastness and adsorption studies of a new azo-stilbene dye for acrylic resins. Scientific Reports, 2021, 11, 5889.	1.6	15
571	Nanocomposites of reduced graphene oxide with pure monoclinic-ZrO2 and pure tetragonal-ZrO2 for selective adsorptive removal of oxytetracycline. Applied Surface Science, 2021, 543, 148810.	3.1	42
572	Nanocomposites of Fe2O3@rGO for adsorptive removal of arsanilic acid from aqueous solution. Korean Journal of Chemical Engineering, 2021, 38, 498-504.	1.2	3
573	Gas Hydrate and Corrosion Inhibition Performance of the Newly Synthesized Polyurethanes: Potential Dual Function Inhibitors. Energy & Fuels, 2021, 35, 6113-6124.	2.5	36
574	Synthesis and characterization of Cu(OH)2-NWs-PVA-AC Nano-composite and its use as an efficient adsorbent for removal of methylene blue. Scientific Reports, 2021, 11, 5686.	1.6	22
575	Critical insights into the limitations and interpretations of the determination of âˆ†Go, âˆ†Ho, and âˆ†So of sorption of aqueous pollutants on different sorbents. Colloids and Interface Science Communications, 2021, 41, 100369.	2.0	13
576	Magnetic mesoporous sodium citrate modified lignin for improved adsorption of calcium ions and methylene blue from aqueous solution. Journal of Environmental Chemical Engineering, 2021, 9, 105180.	3.3	30
577	Nanocomposites of graphene and zirconia for adsorption of organic-arsenic drugs: Performances comparison and analysis of adsorption behavior. Environmental Research, 2021, 195, 110752.	3.7	20
578	Screening of New bio-based materials for radioactive iodide adsorption from water environment. Journal of Water Process Engineering, 2021, 40, 101955.	2.6	5

#	Article	IF	Citations
579	Biopolymer composite from cellulose nanocrystals of almond (Prunus dulcis) shell as effective adsorbents for Cu2+ ions from aqueous solutions. Journal of Environmental Chemical Engineering, 2021, 9, 105139.	3.3	28
580	Synergistic effect of the activated carbon addition from leather wastes in chitosan/alginate-based composites. Environmental Science and Pollution Research, 2021, 28, 48666-48680.	2.7	5
581	Removal of herbicide paraquat from aqueous solutions by bentonite modified with mesoporous silica. Materials Chemistry and Physics, 2021, 262, 124296.	2.0	31
582	Recovering heavy metals from electroplating wastewater and their conversion into Zn2Cr-layered double hydroxide (LDH) for pyrophosphate removal from industrial wastewater. Chemosphere, 2021, 271, 129861.	4.2	64
583	Adsorption of Nitrate and Ammonium from Water Simultaneously Using Composite Adsorbents Constructed with Functionalized Biochar and Modified Zeolite. Water, Air, and Soil Pollution, 2021, 232, 1.	1.1	12
584	Self-Assembly and Rearrangement of a Polyproline II Helix Peptide on Gold. Langmuir, 2021, 37, 6115-6122.	1.6	5
585	A self-assembled supramolecular organic material for selective extraction of uranium from aqueous solution. Journal of Radioanalytical and Nuclear Chemistry, 2021, 329, 289-300.	0.7	3
586	Role of the Hydration Shell in the pH-Dependent Adsorption of Maleic Acid. Journal of Physical Chemistry C, 2021, 125, 12305-12315.	1.5	2
587	A research on the removal characteristics of naphthol Green B from wastewater using nanomaterials nZVI/CS/APT. Physics and Chemistry of Liquids, 2022, 60, 219-232.	0.4	3
588	Carbon-Silica Composite as Adsorbent for Removal of Hazardous C.I. Basic Yellow 2 and C.I. Basic Blue 3 Dyes. Materials, 2021, 14, 3245.	1.3	13
589	A composite adsorbent of ZnS nanoclusters grown in zeolite NaA synthesized from fly ash with a high mercury ion removal efficiency in solution. Journal of Hazardous Materials, 2021, 411, 125044.	6.5	29
590	A review on the use of lignocellulosic materials for arsenic adsorption. Journal of Environmental Management, 2021, 288, 112397.	3.8	43
591	Preparation of Eucommia ulmoides lignin-based high-performance biochar containing sulfonic group: Synergistic pyrolysis mechanism and tetracycline hydrochloride adsorption. Bioresource Technology, 2021, 329, 124856.	4.8	86
592	Factorial Investigation of Cobalt Retention by Ti and Fe Oxides-Modified Carbon Nanotubes: Multivariate Against Univariate Analysis. Frontiers in Chemistry, 2021, 9, 690420.	1.8	1
593	Environmentally friendly adsorbent derived from rock melon skin for effective removal of toxic brilliant green dye: linear versus non-linear analyses. International Journal of Environmental Analytical Chemistry, 2023, 103, 4904-4923.	1.8	12
594	A comparison of anionic and cationic dye removal efficiency of industrial bauxite waste red-mud. Journal of Dispersion Science and Technology, 2023, 44, 144-156.	1.3	5
595	Nitrogen-rich covalent triazine frameworks for high-efficient removal of anion dyes and the synergistic adsorption of cationic dyes. Chemosphere, 2021, 272, 129622.	4.2	38
596	Eco-safe chemicothermal conversion of industrial graphite waste to exfoliated graphene and evaluation as engineered adsorbent to remove toxic textile dyes. Environmental Advances, 2021, 4, 100072.	2.2	17

#	Article	IF	Citations
597	Optimization of basic magenta adsorption onto Fe/Cu nanocomposites synthesized by sweet potato leaf extract using response surface methodology. Korean Journal of Chemical Engineering, 2021, 38, 1556-1565.	1.2	4
598	Comments on â€œReasonable calculation of the thermodynamic parameters from adsorption equilibrium constant, Journal of Molecular Liquids 322 (2021) 114980.â€. Journal of Molecular Liquids, 2021, 334, 116542.	2.3	18
599	Investigation on preparation of carboxymethyl chitosan modified sodium ferric silicate and its adsorption properties. Journal of Vinyl and Additive Technology, 2021, 27, 841-854.	1.8	2
600	Interactions of Phenolic Acids and Î²-Glucan: Studies of Adsorption Isotherms and Thermodynamics. Chemical and Biochemical Engineering Quarterly, 2021, , .	0.5	1
601	An effective, green and mild deproteinization method for polysaccharides of Ruditapes philippinarum by attapulgite-based silk fibroin composite aerogel. International Journal of Biological Macromolecules, 2021, 182, 343-353.	3.6	4
602	Composite carbon materials from winery composted waste for the treatment of effluents contaminated with ketoprofen and 2-nitrophenol. Journal of Environmental Chemical Engineering, 2021, 9, 105421.	3.3	21
603	Polyethyleneimine-grafted polyphosphazene microspheres for rapid and efficient capture of anionic dyes from wastewater. Materials Today Chemistry, 2021, 21, 100525.	1.7	6
604	Optimization for the conditions to prepare sewage sludge derived adsorbent and ciprofloxacin adsorption. Water Environment Research, 2021, 93, 2754-2768.	1.3	2
605	Sustainable and low-cost SUZ-4 synthesis and its application for Cd2+ removal. Journal of Cleaner Production, 2021, 312, 127825.	4.6	5
606	Synthesis of hierarchical micro-mesoporous LDH/MOF nanocomposite with in situ growth of UiO-66-(NH2)2 MOF on the functionalized NiCo-LDH ultrathin sheets and its application for thallium (I) removal. Journal of Molecular Liquids, 2021, 336, 116189.	2.3	21
607	Production of activated biochar from Luffa cylindrica and its application for adsorption of 4-Nitrophenol. Journal of Environmental Chemical Engineering, 2021, 9, 105403.	3.3	28
608	Preparation and evaluation of porous H1.6Mn1.6O4@chitosan pellet for Li+ extraction. Korean Journal of Chemical Engineering, 2021, 38, 2141-2149.	1.2	3
609	Evaluation of the Microsoft Excel Solver Spreadsheet-Based Program for Nonlinear Expressions of Adsorption Isotherm Models onto Magnetic Nanosorbent. Applied Sciences (Switzerland), 2021, 11, 7432.	1.3	20
610	Adsorption of 4-chlorophenol by wheat straw biochar and its regeneration with persulfate under microwave irradiation. Journal of Environmental Chemical Engineering, 2021, 9, 105353.	3.3	20
611	A Review of Adsorbents for Heavy Metal Decontamination: Growing Approach to Wastewater Treatment. Materials, 2021, 14, 4702.	1.3	95
612	Preparation of Graphene Oxide Composites and Assessment of Their Adsorption Properties for Lanthanum (III). Coatings, 2021, 11, 1040.	1.2	3
613	A Critical Overview of Adsorption Models Linearization: Methodological and Statistical Inconsistencies. Separation and Purification Reviews, 2022, 51, 358-372.	2.8	48
614	Impact of Asphaltenes on the Adsorption Behavior of Petroleum Vanadyl Porphyrins: Kinetic and Thermodynamic Aspects. Energy & Fuels, 2021, 35, 14527-14541.	2.5	9

#	Article	IF	Citations
615	Equilibrium, kinetic, and thermodynamic study for the adsorption of methylene blue onto activated carbons prepared from the banana root through chemical activation with phosphoric acid. Biomass Conversion and Biorefinery, 2023, 13, 10575-10594.	2.9	3
616	Adsorption of propranolol hydrochloride from aqueous solutions onto thermally treated bentonite clay: A complete batch system evaluation. Journal of Molecular Liquids, 2021, 337, 116442.	2.3	16
617	Facile one pot preparation of magnetic chitosan-palygorskite nanocomposite for efficient removal of lead from water. Journal of Colloid and Interface Science, 2022, 608, 575-587.	5.0	29
618	Carbon Monoxide Tolerant Pt-Based Electrocatalysts for H2-PEMFC Applications: Current Progress and Challenges. Catalysts, 2021, 11, 1127.	1.6	37
619	Mechanistically understanding adsorption of methyl orange, indigo carmine, and methylene blue onto ionic/nonionic polystyrene adsorbents. Journal of Hazardous Materials, 2021, 418, 126300.	6.5	39
620	Exploring space-energy matching via quantum-molecular mechanics modeling and breakage dynamics-energy dissipation via microhydrodynamic modeling to improve the screening efficiency of nanosuspension prepared by wet media milling. Expert Opinion on Drug Delivery, 2021, 18, 1643-1657.	2.4	1
621	Evaluation of adsorption ability of cyclodextrin-calixarene nanosponges towards Pb2+ ion in aqueous solution. Carbohydrate Polymers, 2021, 267, 118151.	5.1	25
622	Magnetic amino-functionalized-MOF(MÂ=ÂFe, Ti, Zr)@COFs with superior biocompatibility: Performance and mechanism on adsorption of azo dyes in soft drinks. Chemical Engineering Journal, 2021, 420, 129955.	6.6	70
623	The Superior Adsorption Capacity of Boron-Nitrogen Co-Doping Walnut Shell Biochar Powder for Au(III), Pt(IV), and Pd(II). Journal of Environmental Chemical Engineering, 2021, , 106288.	3.3	5
624	Fabrication of novel starch-based composite hydrogel microspheres combining Diels-Alder reaction with spray drying for MB adsorption. Journal of Environmental Chemical Engineering, 2021, 9, 105929.	3.3	24
625	Nano-rod hydroxyapatite for the uptake of nickel ions: Effect of sintering behaviour on adsorption parameters. Journal of Environmental Chemical Engineering, 2021, 9, 105931.	3.3	20
626	Expanded vermiculite as an alternative adsorbent for the dysprosium recovery. Journal of the Taiwan Institute of Chemical Engineers, 2021, 127, 228-235.	2.7	17
627	A new method of developing ANN-isotherm hybrid models for the determination of thermodynamic parameters in the adsorption of ions Ag+, Co2+ and Cu2+ onto zeolites ZSM-5, HY, and 4A. Journal of Environmental Chemical Engineering, 2021, 9, 106126.	3.3	14
628	Micro-Ring Resonator Devices Prototyped on Optical Fiber Tapers by Multi-Photon Lithography. IEEE Journal of Selected Topics in Quantum Electronics, 2021, 27, 1-7.	1.9	17
629	Adsorption of polar and ionic organic compounds on activated carbon: Surface chemistry matters. Science of the Total Environment, 2021, 794, 148508.	3.9	15
630	Batch and column mode adsorption studies of reactive red 195 dye using Adenanthera paronina L seed activated carbon. Groundwater for Sustainable Development, 2021, 15, 100671.	2.3	8
631	Inorganic-organic mesoporous hybrid segregators for selective and sensitive extraction of precious elements from urban mining. Journal of Colloid and Interface Science, 2021, 604, 61-79.	5.0	32
632	The competing role of moisture in adsorption of gaseous benzene on microporous carbon. Separation and Purification Technology, 2021, 277, 119487.	3.9	18

#	Article	IF	Citations
633	Highly efficient and selective recovery of Au(III) from aqueous solution by bisthiourea immobilized UiO-66-NH2: Performance and mechanisms. Chemical Engineering Journal, 2021, 425, 130588.	6.6	62
634	Adsorption of antiretroviral drugs, efavirenz and nevirapine from aqueous solution by graphene wool: Kinetic, equilibrium, thermodynamic and computational studies. Applied Surface Science Advances, 2021, 6, 100157.	2.9	30
635	Enhanced simultaneous removal of toxic (SeO4)2â^' and metals Cr3+ and Cu2+ using polysulfide intercalated Layered double hydroxide. Separation and Purification Technology, 2021, 279, 119649.	3.9	5
636	Nanocomposites of zero-valent iron@biochar derived from agricultural wastes for adsorptive removal of tetracyclines. Chemosphere, 2021, 284, 131342.	4.2	37
637	Methane adsorption on shales and application of temperature-related composite models based on dual adsorption modes. Journal of Petroleum Science and Engineering, 2022, 208, 109379.	2.1	13
638	Magnetic solid-phase extraction based on zirconium-based metalâ€"organic frameworks for simultaneous enantiomeric determination of eight chiral pesticides in water and fruit juices. Food Chemistry, 2022, 370, 131056.	4.2	23
639	High-capacity adsorption of Cr(VI) by lignin-based composite: Characterization, performance and mechanism. International Journal of Biological Macromolecules, 2020, 159, 839-849.	3.6	68
640	Aminated cellulose as a versatile adsorbent for batch removal of As(V) and Cu(II) from mono- and multicomponent aqueous solutions. Journal of Colloid and Interface Science, 2020, 576, 158-175.	5.0	26
641	Biosorpion for sustainable recovery of precious metals from wastewater. Journal of Environmental Chemical Engineering, 2020, 8, 103996.	3.3	36
642	A novel route for preparation of chemically activated carbon from pistachio wood for highly efficient Pb(II) sorption. Journal of Environmental Management, 2019, 236, 34-44.	3.8	134
643	Combined toxicity of functionalized nano-carbon black and cadmium on Eisenia fetida coelomocytes: The role of adsorption. Journal of Hazardous Materials, 2020, 398, 122815.	6.5	17
644	Ti-pillared montmorillonite clay for adsorptive removal of amoxicillin, imipramine, diclofenac-sodium, and paracetamol from water. Journal of Hazardous Materials, 2020, 399, 122832.	6.5	92
645	Enhanced mineralization of bisphenol A by eco-friendly BiFeO3â€"MnO2 composite: Performance, mechanism and toxicity assessment. Journal of Hazardous Materials, 2020, 399, 122883.	6.5	49
646	Novel Mesoporous Lignin-Calcium for Efficiently Scavenging Cationic Dyes from Dyestuff Effluent. ACS Omega, 2021, 6, 816-826.	1.6	19
647	Novel synthesis of Ni/Fe layered double hydroxides using urea and glycerol and their enhanced adsorption behavior for Cr(VI) removal. Scientific Reports, 2020, 10, 587.	1.6	107
648	Equilibrium, kinetic and thermodynamic studies on the adsorption of atrazine in soils of the water fluctuation zone in the Three-Gorges Reservoir. Environmental Sciences Europe, 2020, 32, .	2.6	25
649	Adsorptive removal of Ni(II) ions from aqueous solution by PVDF/Gemini-ATP hybrid membrane. Membrane Water Treatment, 2016, 7, 209-221.	0.5	4
650	The Use of Manganese Oxide Minerals for the Removal Arsenic and Selenium Anions from Aqueous Solutions. Energy and Environmental Engineering, 2014, 2, 103-112.	0.8	18

#	Article	IF	Citations
651	Solvent impregnated resins for the treatment of aqueous solutions containing different compounds: a review. Reviews in Chemical Engineering, 2022, 38, 209-242.	2.3	9
652	Adsorption Behavior of Reactive Blue 29 Dye on Modified Nanoclay. Trends in Applied Sciences Research, 2014, 9, 303-311.	0.4	9
653	CINÃ‰TICA, EQUILÃBRIO E TERMODINÃ‚MICA DA ADSORÃ‡Ãƒ O DE COBALTO UTILIZANDO QUITINA. , 0, , .		1
654	In-plane graphene/boron nitride heterostructures and their potential application as toxic gas sensors. RSC Advances, 2021, 11, 32810-32823.	1.7	29
655	Cellulose citrate: a convenient and reusable bio-adsorbent for effective removal of methylene blue dye from artificially contaminated water. RSC Advances, 2021, 11, 34309-34318.	1.7	19
656	Facile fabrication of phosphorylated alkali lignin microparticles for efficient adsorption of antibiotics and heavy metal ions in water. Journal of Environmental Chemical Engineering, 2021, 9, 106574.	3.3	18
657	Simultaneous removal of Basic Blue41 and Basic Red46 dyes in binary aqueous systems via activated carbon from palm bio-waste: Optimization by central composite design, equilibrium, kinetic, and thermodynamic studies. Environmental Technology and Innovation, 2021, 24, 102039.	3.0	14
658	Cerium recovery from aqueous solutions by bio/adsorption: A review in a circular economy context. Journal of Cleaner Production, 2021, 326, 129395.	4.6	19
659	Post-functionalized metalâˆ’organic framework for effective and selective removal of Hg(II) in aqueous media. Microporous and Mesoporous Materials, 2021, 328, 111479.	2.2	29
660	Counterion Effects on the Adsorption of Acid Orange 8 from Aqueous Solution onto HDTMA-Modï¬ed Nanozeolite from Fly Ash. Environment and Ecology Research, 2014, 2, 97-106.	0.1	6
662	ADSORÃ‡Ãƒ O DO CORANTE TÃŠXTIL REATIVO PRETO 5 DE SOLUÃ‡Ã•ES AQUOSAS UTILIZANDO QUITOSANA COM DIFERENTES GRAUS DE DESACETILAÃ‡Ãƒ O NAS FORMAS DE PÃ“ E FILME. , 0, , .		0
663	EQUILÃBRIO E TERMODINÃ‚MICA DA ADSORÃ‡Ãƒ O DE CORANTE CATIÃ”NICO UTILIZANDO QUITINA TRATADA VIA ULTRASSOM. , 0, , .		0
664	EQUILÃBRIO, TERMODINÃ‚MICA E REUSO DE FILMES DE QUITOSANA MODIFICADOS COM ÃONS VANÃDIO NA ADSORÃ‡Ãƒ O DO CORANTE REATIVO PRETO 5. , 0, , .		0
666	NaX Nano-taneciklerin AÄŸÄ±r Metal ve Boyar Madde Gideriminde KullanÄ±mÄ±. Journal of the Faculty of Engineering and Architecture of Gazi University, 0, , .	0.3	2
667	The Use of High Surface Area Mesoporous-Activated Carbon from Longan Seed Biomass for Increasing Capacity and Kinetics of Methylene Blue Adsorption from Aqueous Solution. Molecules, 2021, 26, 6521.	1.7	30
668	Thermodynamic parameters of liquidâ€“phase adsorption process calculated from different equilibrium constants related to adsorption isotherms: A comparison study. Journal of Environmental Chemical Engineering, 2021, 9, 106674.	3.3	139
669	Removal of Cu2+, Cd2+, and Pb2+ from aqueous solution by fabricated MIL-100(Fe) and MIL-101(Cr): Experimental and molecular modeling study. Journal of Environmental Chemical Engineering, 2021, 9, 106663.	3.3	12
670	Insight into the inhibitory mechanism of inorganic ligands on the adsorption of tetracycline onto hematite. Journal of Environmental Management, 2022, 302, 114056.	3.8	17

#	Article	IF	Citations
671	Synthesis of glutaraldehyde-modified silica/chitosan composites for the removal of water-soluble diclofenac sodium. Carbohydrate Polymers, 2022, 277, 118868.	5.1	26
672	Preparation of peanut shell-like calcium carbonate from biowaste chicken eggshell and its application for aqueous Victoria Blue B removal. Microporous and Mesoporous Materials, 2022, 329, 111549.	2.2	10
673	Surface Chemistry of Mineral Adsorbents. Engineering Materials, 2021, , 55-91.	0.3	2
674	Lead(II) ions adsorption onto amyloid particulates: An in depth study. Journal of Colloid and Interface Science, 2022, 610, 347-358.	5.0	11
675	Batch and continuous adsorption of Cu(II) and Zn(II) ions from aqueous solution on bi-functionalized sugarcane-based biosorbent. Environmental Science and Pollution Research, 2022, 29, 26425-26448.	2.7	8
676	Matrix-dispersed magnetic molecularly-imprinted polyaniline for the effective removal of chlorpyrifos pesticide from contaminated water. RSC Advances, 2021, 11, 39768-39780.	1.7	9
677	Removal of copper from sulfate solutions using biochar derived from crab processing by-product. Journal of Environmental Management, 2022, 303, 114270.	3.8	9
678	Potential application of Al and Si doped carbon nanotubes for metronidazole detection: A theoretical study. Computational and Theoretical Chemistry, 2022, 1209, 113573.	1.1	5
679	Synthesis and characterization of clay-based adsorbents modified with alginate, surfactants, and nanoparticles for methylene blue removal. Environmental Nanotechnology, Monitoring and Management, 2022, 17, 100644.	1.7	9
680	Adsorption-Extrographic Preconcentration of Petroleum Vanadyl Porphyrins from Dimethylformamide Extract of Heavy Petroleum Asphaltenes. Russian Journal of Applied Chemistry, 2021, 94, 1324-1333.	0.1	1
681	Remediation of Cd (II) Ion from an Aqueous Solution by a Starch-Based Activated Carbon: Experimental and Density Functional Theory (DFT) Approach. Crystals, 2022, 12, 189.	1.0	6
682	Cu(II) and Au(III) recovery with electrospun lignosulfonate CO2-activated carbon fiber. International Journal of Biological Macromolecules, 2022, 203, 505-514.	3.6	8
683	Novel fluorescent microcapsules based on sporopollenin for removal and detection of Cu (II) ions in aqueous solutions: Eco-friendly design, fully characterized, photophysical&physicochemical data. Microporous and Mesoporous Materials, 2022, 330, 111600.	2.2	19
684	Driving Forces of Cationic Dye Adsorption, Confinement, and Long-Range Correlation in Zeolitic Materials. Langmuir, 2022, 38, 1296-1303.	1.6	3
685	Tailored Colloidal Nanostars for Surface-Enhanced Raman Spectroscopy: Optimization of Formulation Components and Study of the Stabilizerâ€“Nanoparticle Interactions. Journal of Physical Chemistry C, 2022, 126, 2023-2040.	1.5	6
686	Adsorption and Catalytic Activity of Gold Nanoparticles in Mesoporous Silica: Effect of Pore Size and Dispersion Salinity. Journal of Physical Chemistry C, 2022, 126, 2531-2541.	1.5	12
687	Enhanced removal of Pb(II) from contaminated water by hierarchical titanate microtube derived from titanium glycolate. Advanced Powder Technology, 2022, 33, 103376.	2.0	5
688	Comments on the calculation of the standard equilibrium constant using the Langmuir model in Journal of Hazardous Materials 422 (2022) 126863. Journal of Hazardous Materials, 2022, 429, 128407.	6.5	11

#	Article	IF	Citations
689	C.I. Basic Red 46 Removal from Sewage by Carbon and Silica Based Composite: Equilibrium, Kinetic and Electrokinetic Studies. Molecules, 2022, 27, 1043.	1.7	8
690	Preparation and adsorption properties of magnetic graphene oxide composites for the removal of methylene blue from water. Materials Research Express, 2022, 9, 020002.	0.8	11
691	Effect of experimental parameters on photocatalytic degradation efficiency of TiO2 nanoparticles synthesized by electrochemical method towards Rhodamine B dye solution under natural sunlight. Environmental Science and Pollution Research, 2023, 30, 8448-8463.	2.7	4
692	Nonlinear Fitting for Estimation of Adsorption Equilibrium, Kinetic and Thermodynamic Parameters of Methylene Blue onto Activated Carbon. Journal of the Turkish Chemical Society, Section A: Chemistry, 0, , 67-84.	0.4	3
693	Facile Synthesis of Magnetic Biochar Derived from Burley Tobacco Stems towards Enhanced Cr(VI) Removal: Performance and Mechanism. Nanomaterials, 2022, 12, 678.	1.9	22
694	CeO₂/Fe₃O₄/g-C₃N₄nanohybrid for adsorptive removal of Rose Bengal from aqueous stream. International Journal of Environmental Analytical Chemistry, 0, , 1-20.	1.8	8
695	Optimization of Process Parameters for Adsorption of Hexavalent Chromium from Wastewater Using Response Surface Methodology. International Journal of Engineering Research in Africa, 0, 59, 239-262.	0.7	2
696	Calcium Poly(Heptazine Imide): A Covalent Heptazine Framework for Selective CO₂ Adsorption. ACS Nano, 2022, 16, 5393-5403.	7.3	17
697	Some mistakes and misinterpretations in the analysis of thermodynamic adsorption data. Journal of Molecular Liquids, 2022, 352, 118762.	2.3	24
698	Synthesis and Study of Zinc Oxide Nanorods as an Adsorbent Material for the Removal of Carcinogenic Dye and Anticancer Activities. Arabian Journal for Science and Engineering, 0, , 1.	1.7	0
699	Fabrication of calcium/cupric crosslinked alginate electrospun nanofibers for enhancing fluoroquinolones adsorption. Microporous and Mesoporous Materials, 2022, 336, 111857.	2.2	4
700	Efficient and selective removal of Cr(VI) by the modified UiO-66-NH2 with phenothiazine-N-rhodanine from aqueous solution: Performance and mechanisms. Microporous and Mesoporous Materials, 2022, 336, 111834.	2.2	13
701	High-efficiency capture and removal of phosphate from wastewater by 3D hierarchical functional biomass-derived carbon aerogel. Science of the Total Environment, 2022, 827, 154343.	3.9	13
702	Magnetic metal-organic frameworks for efficient removal of cadmium(II), and lead(II) from aqueous solution. Journal of Environmental Chemical Engineering, 2022, 10, 107467.	3.3	50
703	Three Cd(II) coordination polymers containing phenylenediacetate isomers: Luminescence sensing and adsorption antibiotics performance in water. Dyes and Pigments, 2022, 202, 110172.	2.0	4
704	Preparation and strontium adsorption behaviors of a new sodium manganese silicate material. Separation and Purification Technology, 2022, 290, 120824.	3.9	7
705	Comment on the calculation of equilibrium constant and thermodynamic parameters by the distribution coefficient in Environmental Research 203 (2022) 111814. Environmental Research, 2022, 210, 112958.	3.7	3
706	Structural characteristics of sediment humins from South Korean lakes and their phenanthrene binding compared to other carbon sources. Environmental Research, 2022, 211, 113037.	3.7	3

#	Article	IF	Citations
707	Biosorption of chromium (VI), iron (II), copper (II), and nickel (II) ions onto alkaline modified Chlorella vulgaris and Spirulina platensis in binary systems. Environmental Science and Pollution Research, 2022, 29, 62514-62536.	2.7	2
708	Surface-Modified Adsorbent from Artocarpus heterophyllus Lam Biomass to Confine Reactive Red 194 in Real and Synthetic Effluents: Kinetics and Equilibrium Study. Adsorption Science and Technology, 2022, 2022, .	1.5	2
709	Coconut Shell Charcoal Adsorption to Remove Methyl Orange in Aqueous Solutions. , 0, , .		0
710	Nanocomposites of zirconia@activated carbon derived from a hazelnut shell for the adsorption of tetracyclines from water. Environmental Science: Water Research and Technology, 2022, 8, 1434-1443.	1.2	2
711	Removal of Iron, Manganese, Cadmium, and Nickel Ions Using Brewersâ€™ Spent Grain. Polysaccharides, 2022, 3, 356-379.	2.1	5
712	Adsorption behavior of the surface conditioning agent particles on the surface of high-strength steel. Journal of Materials Science, 0, , 1.	1.7	0
713	Thermodynamics and Kinetics of Struvite Crystallization from Hydrothermal Liquefaction Aqueous-Phase Considering Hydroxyapatite and Organics Coprecipitation. Industrial & Engineering Chemistry Research, 2022, 61, 6894-6908.	1.8	12
714	A comparative analysis of the adsorption kinetics of Cu2+ and Cd2+ by the microalgae Chlorella vulgaris and Scenedesmus obliquus. Algal Research, 2022, 64, 102710.	2.4	8
715	Synthesis of CoFe2O4/Graphene Oxide-Grafted Tetraethylenepentamine for Removal of Cr (VI) from Aqueous Solution. Advances in Condensed Matter Physics, 2022, 2022, 1-14.	0.4	1
716	Sorption Behavior and Mechanism of Simulated Radionuclide Nd(III) from Aqueous Solution by Bentonite. Russian Journal of Physical Chemistry A, 2022, 96, 1077-1084.	0.1	1
717	Single and multi-component removal of natural hormones from aqueous solutions using soybean hull. Journal of Environmental Chemical Engineering, 2022, 10, 107995.	3.3	5
718	Biosorption of heavy metals from water: mechanism, critical evaluation and translatability of methodology. Environmental Technology Reviews, 2022, 11, 91-117.	2.1	4
719	Ammonium sorption and regeneration using Mg-modified zeolites: A study on the interferences of competing ions from aquaculture effluent. Journal of Water Process Engineering, 2022, 48, 102909.	2.6	3
720	Recyclable aminophenylboronic acid modified bacterial cellulose microspheres for tetracycline removal: Kinetic, equilibrium and adsorption performance studies for hoggery sewer. Environmental Pollution, 2022, 307, 119544.	3.7	10
721	Kinetic and Thermodynamic Modeling of Ethyl Transesterification of Degummed Soybean Oil Catalyzed by Zr/Cao. SSRN Electronic Journal, 0, , .	0.4	0
722	Adsorption of chromium VI onto hydroxyapatite â€“chitosan- montmorillonite thin film. Materials Today: Proceedings, 2022, , .	0.9	0
723	Humic Acids and Fulvic Acids: Characteristics, Sorption of Hydrophobic Organic Contaminants, and Formation of Disinfection by-Products during Chlorination. , 0, , .		1
724	Highly effective and selective adsorption of Au(III) from aqueous solution by poly(ethylene sulfide) functionalized chitosan: Kinetics, isothermal adsorption and thermodynamics. Microporous and Mesoporous Materials, 2022, 341, 112074.	2.2	22

#	Article	IF	Citations
725	Chromatographic framework for coffee ring effect-driven separation of small molecules in surface enhanced Raman spectroscopy analysis. Talanta, 2022, 250, 123688.	2.9	2
726	Use of Typical Wastes as Biochars in Removing Diethyl Phthalate (Det) from Water. Processes, 2022, 10, 1369.	1.3	1
727	Zr4+ cross-linked chitosan-thiourea composite for efficient detoxification of Cr(VI) ions in aqueous solution. Carbohydrate Polymers, 2022, 296, 119872.	5.1	20
728	Free Energy of Adsorption of Methylene Blue on Polyvinyl Chloride Containing Iron Oxide Nanoparticles Coated with Poly[2-(dimethylamino)ethyl methacrylate]. Journal of Macromolecular Science - Physics, 0, , 1-16.	0.4	1
729	Comparative adsorptive behaviour of cow dung ash and starch as potential eco-friendly matrices for controlled organophosphorus pesticides delivery. Scientific Reports, 2022, 12, .	1.6	1
730	Insight into copper and nickel adsorption from aqueous solutions onto carbon-coated-sand: Isotherms, kinetics, mechanisms, and cost analysis. , 2022, 3, 100045.		1
731	Utilization of Moringa oleifera seeds as a biosorbent for diclofenac removal in the contaminated aquatic systems. Water Practice and Technology, 0, , .	1.0	2
732	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. Adsorption Science and Technology, 2022, 2022, .	1.5	37
733	Native and Oxidized Starch for Adsorption of Nickel, Iron, and Manganese Ions from Water. Polysaccharides, 2022, 3, 556-573.	2.1	5
734	Optimization, kinetics and thermodynamics studies for photocatalytic degradation of Methylene Blue using cadmium selenide nanoparticles. Npj Clean Water, 2022, 5, .	3.1	19
735	Development of Recycled Expanded Polystyrene Nanofibers Modified by Chitosan for the Removal of Lead(II) from Water. Metals, 2022, 12, 1334.	1.0	8
736	Vanadate Retention by Iron and Manganese Oxides. ACS Earth and Space Chemistry, 2022, 6, 2041-2052.	1.2	6
737	Efficient removal of levofloxacin by a magnetic NiFe-LDH/N-MWCNTs nanocomposite: Characterization, response surface methodology, and mechanism. Environmental Research, 2022, 215, 113967.	3.7	5
738	Optimization of tetracycline removal from water by iron-coated pine-bark biochar. Environmental Science and Pollution Research, 0, , .	2.7	2
739	Ecofriendly Removal of Aluminum and Cadmium Sulfate Pollution by Adsorption on Hexanoyl-Modified Chitosan. Polysaccharides, 2022, 3, 589-608.	2.1	5
740	Adsorption and reduction of Cr(VI) in water by iron-based metal-organic frameworks (Fe-MOFs) composite electrospun nanofibrous membranes. Journal of Cleaner Production, 2022, 370, 133566.	4.6	35
741	New insights on the adsorption of Cl-Reactive Red 141 dye using activated carbon prepared from the ZnCl2-treated waste cotton fibers: Statistical physics, DFT, COSMO-RS, and AIM studies. Journal of Molecular Liquids, 2022, 364, 119956.	2.3	21
742	Nitrogen-rich triazine-based porous polymers for efficient removal of bisphenol micropollutants. Chemosphere, 2022, 307, 135919.	4.2	2

#	Article	IF	Citations
743	Chitosan impregnation of coconut husk biochar pellets improves their nutrient removal from eutrophic surface water. Sustainable Environment Research, 2022, 32, .	2.1	4
744	Study on the difference in adsorption performance of graphene oxide and carboxylated graphene oxide for Cu(II), Pb(II) respectively and mechanism analysis. Diamond and Related Materials, 2022, 129, 109332.	1.8	23
745	Removal of pararosaniline hydrochloride (basic red 9) from aqueous system with lignocellulose fraction of sugarcane bagasse as adsorbent. Industrial Crops and Products, 2022, 188, 115573.	2.5	3
746	Tuning the pore structure of templated mesoporous poly(melamine-co-formaldehyde) particles toward diclofenac removal. Journal of Environmental Management, 2022, 324, 116221.	3.8	7
747	Lignin immobilized cyclodextrin composite microspheres with multifunctionalized surface chemistry for non-competitive adsorption of co-existing endocrine disruptors in water. Journal of Hazardous Materials, 2023, 441, 129969.	6.5	16
748	An evaluation on S-type adsorption isotherm in the model of crosslinked polyhydroxamates/oxazine dyes/water interactions. Adsorption, 2022, 28, 249-260.	1.4	8
749	Removal of Sodium Diclofenac from Aqueous Medium Using Layered Double Hydroxide: a Thermodynamic and Theoretical Approach. Water, Air, and Soil Pollution, 2022, 233, .	1.1	1
750	Pyrolysis Temperature and Application Rate of Sugarcane Straw Biochar Influence Sorption and Desorption of Metribuzin and Soil Chemical Properties. Processes, 2022, 10, 1924.	1.3	6
752	Application of Response Surface Methodology for Optimization of Copper Removal Using a Novel Polymeric Adsorbent. Journal of Polymers and the Environment, 2022, 30, 4887-4901.	2.4	3
753	Synthesis, characterization, and application of functionalized pillar[5]arene silica gel (Si-APTMS-pillar[5]arene) adsorbent for selectivity and effective removal of Cu(II) ion. Journal of Materials Research, 2022, 37, 3587-3598.	1.2	7
754	Construction of imide-functionalized aromatic conjugation tetracarboxylate frameworks and adsorption behavior for iodine and selective cationic dyes. Microporous and Mesoporous Materials, 2022, 345, 112273.	2.2	5
755	Revisiting the calculation of thermodynamic parameters of adsorption processes from the modified equilibrium constant of the Redlichâ€"Peterson model. Journal of Chemical Technology and Biotechnology, 2023, 98, 462-472.	1.6	7
756	Efficient Multiâ€walled Carbon Nanotubes/Iron Oxide Nanocomposite for the Removal of the Drug Ketoprofen for Wastewater Treatment Applications. ChemistrySelect, 2022, 7, .	0.7	4
757	Thermodynamic and kinetic studies for the adsorption of malachite green on diatomite. Journal of Environmental Engineering and Science, 2023, 18, 70-80.	0.3	0
758	Adsorptive removal of methyl blue dye through magnetically retrievable BaFe₁₂O₁₉-activated charcoal-chitosan composite powder: kinetics, isotherms and thermodynamics studies. International Journal of Environmental Analytical Chemistry, 0, , 1-18.	1.8	5
759	Solid-State Synthesis of Organoclays: Physicochemical Properties and Application for Bisphenol A Removal from Aqueous Solutions. , 0, , .		0
760	Crystal Phase and Morphology-Controlled Synthesis of Tungsten Oxide Nanostructures for Remarkably Ultrafast Adsorption and Separation of Organic Dyes. Inorganic Chemistry, 2022, 61, 18119-18134.	1.9	7
761	Surface tension of nanoparticle dispersions unravelled by size-dependent non-occupied sites free energy versus adsorption kinetics. Npj Microgravity, 2022, 8, .	1.9	1

#	Article	IF	Citations
762	Magnetic MnFe2O4-MIL-53 (Fe) composite as an effective adsorbent for As(V) adsorption in wastewater. Microporous and Mesoporous Materials, 2022, 346, 112290.	2.2	8
763	Mesoporous halloysite nanotubes as nano-support system for cationic dyes: An equilibrium, kinetic and thermodynamic study for latent fingerprinting. Microporous and Mesoporous Materials, 2022, 346, 112288.	2.2	6
764	A novel biosorbent functionalized pillar[5]arene: Synthesis, characterization and effective biosorption of Cr(VI). Science of the Total Environment, 2023, 857, 159312.	3.9	16
765	Buchwaldâ€"Hartwig coupled conjugated microporous polymer for efficient removal COVID-19 antiviral drug famciclovir from waters: Adsorption behavior and mechanism. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2023, 656, 130393.	2.3	2
766	Mechanochemical synthesis of reticular Î²-cyclodextrin polyurethanes for the decontamination of phenolic micropollutants. Chemical Engineering Journal, 2023, 453, 139987.	6.6	9
767	N-rich porous carbons with tunable affinity for CO₂ adsorption achieve size-sieving CO₂/N₂ selectivity in turbostratic interlayers. Journal of Materials Chemistry A, 2022, 10, 24649-24661.	5.2	6
768	Pyridine-based covalent organic framework for efficient and selective removal of Hg(II) from water: Adsorption behavior and adsorption mechanism investigations. Chemical Engineering Journal, 2023, 454, 140154.	6.6	23
769	Elimination of amoxicillin by adsorption on coffee waste based activated carbon. Journal of Molecular Structure, 2023, 1274, 134500.	1.8	13
770	Efficient adsorption and reduction of Cr(VI) by Zr4+ cross-linked magnetic chitosan/polyaniline composite. Journal of Environmental Chemical Engineering, 2022, 10, 108977.	3.3	10
771	Grafting of short elastin-like peptides using an electric field. Scientific Reports, 2022, 12, .	1.6	2
772	Adsorption potential for the concentration and recovery of rare earth metals from NdFeB magnet scrap in the hydrometallurgical route: A review in a circular economy approach. Journal of Cleaner Production, 2022, 380, 135112.	4.6	10
773	Efficient adsorption of Congo red by MIL-53(Fe)/chitosan composite hydrogel spheres. Microporous and Mesoporous Materials, 2023, 348, 112404.	2.2	19
774	Novel zirconia-halloysite nanotube material for arsenite adsorption from water. Journal of Environmental Chemical Engineering, 2023, 11, 109181.	3.3	1
775	Critical Review and Discussion of the Nonlinear Form of Radkeâ€"Prausnitz Model in Adsorption Solidâ€"Liquid Phases. Journal of Environmental Engineering, ASCE, 2023, 149, .	0.7	8
776	Corrosion inhibitor distribution on abrasive-blasted steels. Journal of Colloid and Interface Science, 2023, 634, 336-345.	5.0	2
777	Chitosan Functionalized Alunite as a Green Composite for Sorption and Preconcentration of Copper: From Parametric Optimization to Application. Journal of Polymers and the Environment, 2023, 31, 1359-1372.	2.4	3
778	Removal of cesium and strontium for radioactive wastewater by Prussian blue nanorods. Environmental Science and Pollution Research, 2023, 30, 36807-36823.	2.7	6
779	Synthesis of ZIF-8@GO-COOH and its adsorption for Cu(II) and Pb(II) from water: Capability and mechanism. Separation and Purification Technology, 2023, 309, 122957.	3.9	26

#	Article	IF	Citations
780	The Role of Cellulosic and Noncellulosic Functional Groups in the Biosorption of Lead Ions by Waste Flax Fibers. Journal of Natural Fibers, 2023, 20, .	1.7	2
781	Preparation of a silk fibroin/gelatin composite hydrogel for high-selectively adsorbing bovine hemoglobin. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2022, , 130869.	2.3	3
782	Evaluation of the Environmental Performance of Adsorbent Materials Prepared from Agave Bagasse for Water Remediation: Solid Waste Management Proposal of the Tequila Industry. Materials, 2023, 16, 8.	1.3	1
783	Interaction of newly synthesized dipeptide Schiff bases with mild steel surface in aqueous HCl: Experimental and theoretical study on thermodynamics, adsorption and anti-corrosion characteristics. Materials Chemistry and Physics, 2023, 296, 127200.	2.0	16
784	Ag(I) Biosorption and Green Synthesis of Silver/Silver Chloride Nanoparticles by Rhodotorula mucilaginosa 1S1. Nanomaterials, 2023, 13, 295.	1.9	3
785	Versatile preparation strategy of negatively charged saccharide-based polymers for selective removal of cationic organic pollutants. Applied Surface Science, 2023, 616, 156428.	3.1	2
786	The Floryâ€"Huggins Isotherm and Water Contaminant Adsorption: Debunking Some Modeling Fallacies. Industrial & Engineering Chemistry Research, 2023, 62, 1121-1131.	1.8	7
787	Structural Properties of Graphene Oxide Prepared from Graphite by Three Different Methods and the Effect on Removal of Cr(VI) from Aqueous Solution. Nanomaterials, 2023, 13, 279.	1.9	4
788	Temperature Effect on Ionic Polymers Removal from Aqueous Solutions Using Activated Carbons Obtained from Biomass. Materials, 2023, 16, 350.	1.3	3
789	Modulation of CO₂ adsorption thermodynamics and selectivity in alkali-carbonate activated N-rich porous carbons. Journal of Materials Chemistry A, 2023, 11, 12811-12826.	5.2	2
790	An Eco-Friendly Modification of a Walnut Shell Biosorbent for Increased Efficiency in Wastewater Treatment. Sustainability, 2023, 15, 2704.	1.6	10
791	Removal of Congo red dye from aqueous environment by zinc terephthalate metal organic framework decorated on silver nanoparticles-loaded biochar: Mechanistic insights of adsorption. Microporous and Mesoporous Materials, 2023, 355, 112568.	2.2	18
792	Complete defluorination of perfluorooctanoic acid (PFOA) by ultrasonic pyrolysis towards zero fluoro-pollution. Water Research, 2023, 235, 119829.	5.3	12
793	Indirect interactions between the ionic liquid and Cu surface in 0.5ÂM HCl: a novel mechanism explaining cathodic corrosion inhibition. Corrosion Science, 2023, 216, 111100.	3.0	12
794	Green synthesis of porous carbon cross-linked Y zeolite nanocrystals material and its performance for adsorptive removal of a methyl violet dye from water. Microporous and Mesoporous Materials, 2023, 356, 112587.	2.2	12
795	New insight into desorption behavior and mechanism of oil from aged oil-contaminated soil in microemulsion. Journal of Hazardous Materials, 2023, 451, 131108.	6.5	5
796	A critical review on current urea removal technologies from water: An approach for pollution prevention and resource recovery. Separation and Purification Technology, 2023, 314, 123652.	3.9	10
797	Ternary Mg-B-S co-modified Ficus virens biochar for ultra-high adsorption of rhodamine B in lab-scale and field-scale application: Adsorption behavior and mechanisms. Industrial Crops and Products, 2023, 194, 116310.	2.5	7

#	Article	IF	Citations
798	Microporous melamine-formaldehyde networks loaded on rice husks for dynamic removal of organic micropollutants. Environmental Pollution, 2023, 322, 121200.	3.7	1
799	Fluoride ion adsorption isotherms, kinetics, and thermodynamics on iron(III) oxyhydroxide powders containing cellulose nanofibrils. Environmental Science and Pollution Research, 2023, 30, 48201-48210.	2.7	4
800	Removal of pollutants from aqueous product of Co-hydrothermal liquefaction: Adsorption and isotherm studies. Chemosphere, 2023, 321, 138165.	4.2	20
801	Supramolecular self-assembling hydrogel film based on a polymer blend of chitosan/partially hydrolyzed polyacrylamide for removing cationic dye from water. Reactive and Functional Polymers, 2023, 185, 105537.	2.0	7
802	Highly selective adsorption of Hg (II) from aqueous solution by three-dimensional porous N-doped starch-based carbon. Environmental Science and Pollution Research, 2023, 30, 52107-52123.	2.7	3
803	Sphagnum perichaetiale Hampe biomass as a novel, green, and low-cost biosorbent in the adsorption of toxic crystal violet dye. Environmental Science and Pollution Research, 2023, 30, 52472-52484.	2.7	3
804	Applications of nanomaterials for adsorptive removal of various pollutants from water bodies. , 2023, , 25-62.		0
805	Adsorption of Pd(II) from wastewater by a functionalized metal-organic framework with aminopyridine structure: Performance and mechanism. Microporous and Mesoporous Materials, 2023, 353, 112519.	2.2	9
806	Thiol -functionalized activated carbon fibers as efficient adsorbents for Pb2+. Materials Chemistry and Physics, 2023, 302, 127552.	2.0	1
807	Adsorption of Tetracycline by Magnetic Mesoporous Silica Derived from Bottom Ashâ€"Biomass Power Plant. Sustainability, 2023, 15, 4727.	1.6	2
808	Adsorption of glyphosate and metabolite aminomethylphosphonic acid (AMPA) from water by polymer-based spherical activated carbon (PBSAC). Journal of Hazardous Materials, 2023, 454, 131211.	6.5	6
809	Equilibrium and Thermodynamic Studies of Reactive Orange Dye Biosorption by Garden Grass. Engineering Journal, 2023, 21, 82-97.	0.3	1
810	Extractives-free sugarcane bagasse as adsorbent for the removal of Rhodamine B (Basic Violet 10) with high capacity and reusability. Journal of Industrial and Engineering Chemistry, 2023, 124, 175-200.	2.9	1
811	Efficacious Sorption Capacities for Pb(II) from Contaminated Water: A Comparative Study Using Biowaste and Its Activated Carbon as Potential Adsorbents. ACS Omega, 2023, 8, 15141-15151.	1.6	11
812	Cerium biosorption onto alginate/vermiculite-based particles functionalized with ionic imprinting: Kinetics, equilibrium, thermodynamic, and reuse studies. International Journal of Biological Macromolecules, 2023, 241, 124542.	3.6	2
864	Adsorption: a reliable solution for emerging contaminants removal. , 2024, , 1-120.		0
872	Advancements in textile dye removal: a critical review of layered double hydroxides and clay minerals as efficient adsorbents. Environmental Science and Pollution Research, 2024, 31, 12748-12779.	2.7	1
873	Preparation and Characterization of Biopolymer/Calcium Phosphate Composite and Their Application for Dye-Contaminated Wastewater Treatment. , 0, , .		0

#	Article	IF	Citations