Lead removal from aqueous solution by natural and pre
equilibrium and kinetics

Journal of Hazardous Materials

146, 362-371

DOI: 10.1016/j.jhazmat.2006.12.034

Citation Report

#	Article	IF	Citations
1	The Removal of Heavy Metal Ions from Aqueous Effluents by Modified Clays: Retention of Cd(II) and Ni(II) Ions. Adsorption Science and Technology, 2007, 25, 673-692.	1.5	7
2	Removal of heavy mercury(II), cadmium(II) and zinc(II) metal ions by live and heat inactivated Lentinus edodes pellets. Chemical Engineering Journal, 2008, 143, 133-140.	6.6	159
3	Cyclic methacrylic acid oligomer as a novel pHâ€sensitive carrier material. Polymers for Advanced Technologies, 2008, 19, 1844-1851.	1.6	0
4	Comment on â€œThe removal of phenolic compounds from aqueous solutions by organophilic bentoniteâ€• Journal of Hazardous Materials, 2008, 151, 851-854.	6.5	18
5	Removal of copper ions by modified Unye clay, Turkey. Journal of Hazardous Materials, 2008, 159, 235-244.	6.5	129
6	Real-time determination of kinetics of adsorption of lead(II) onto palm shell-based activated carbon using ion selective electrode. Bioresource Technology, 2008, 99, 5786-5792.	4.8	197
7	Study of cadmium, zinc and lead biosorption by orange wastes using the subsequent addition method. Bioresource Technology, 2008, 99, 8101-8106.	4.8	73
8	Determination of trace amounts of vanadium by UVâ€“vis spectrophotometric after separation and preconcentration with modified natural clinoptilolite as a new sorbent. Talanta, 2008, 75, 1279-1283.	2.9	23
9	Sorption and Desorption of Lead on 5-Amino-1,3,4-Thiadiazole-2-Thiol Immobilized Silica Gel by Flame Atomic Absorption Spectrometry (FAAS). Instrumentation Science and Technology, 2008, 36, 476-492.	0.9	4
10	Biosorption kinetics of Cd (II), Cr (III) and Pb (II) in aqueous solutions by olive stone. Brazilian Journal of Chemical Engineering, 2009, 26, 265-273.	0.7	49
11	Sorption Behavior and Mechanism of Pb(II) on Chinese Loess. Journal of Environmental Engineering, ASCE, 2009, 135, 58-67.	0.7	24
12	On the removal of Mn2+ ions by adsorption onto natural and activated Chilean zeolites. Minerals Engineering, 2009, 22, 336-343.	1.8	163
13	Ni²⁺ removal from aqueous solutions using conditioned clinoptilolites: Kinetic and isotherm studies. Environmental Progress and Sustainable Energy, 2009, 28, 162-172.	1.3	38
14	Characteristics of Elovich equation used for the analysis of adsorption kinetics in dye-chitosan systems. Chemical Engineering Journal, 2009, 150, 366-373.	6.6	713
15	Activated Carbon Adsorption of Fuel Oxygenates MTBE and ETBE from Water. Water, Air, and Soil Pollution, 2009, 204, 155-163.	1.1	21
16	Adsorption of heavy metals from acid mine drainage by natural zeolite. International Journal of Mineral Processing, 2009, 92, 42-48.	2.6	436
17	Removal of lead ions by acid activated and manganese oxide-coated bentonite. Journal of Hazardous Materials, 2009, 161, 677-685.	6.5	178
18	Removal of lead from aqueous solution by hybrid precursor prepared by rice hull. Journal of Hazardous Materials, 2009, 163, 1194-1198.	6.5	19

#	Article	IF	Citations
19	Removal of lead ions by Unye (Turkey) bentonite in iron and magnesium oxide-coated forms. Journal of Hazardous Materials, 2009, 165, 63-70.	6.5	72
20	Sorption of indigo carmine by a Fe-zeolitic tuff and carbonaceous material from pyrolyzed sewage sludge. Journal of Hazardous Materials, 2009, 170, 1227-1235.	6.5	82
21	Response surface modeling of Pb(II) removal from aqueous solution by Pistacia vera L.: Boxâ€“Behnken experimental design. Journal of Hazardous Materials, 2009, 171, 551-562.	6.5	463
22	Retention of Cr(VI) and Pb(II) on a loamy sand soil. Chemical Engineering Journal, 2009, 152, 212-219.	6.6	48
23	A simple geometric approach for simplification of Langmuir kinetics for adsorption. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2009, 349, 78-82.	2.3	3
24	A comprehensive study on removal and recovery of copper(II) from aqueous solutions by NaOH-pretreated Marrubium globosum ssp. globosum leaves powder: Potential for utilizing the copper(II) condensed desorption solutions in agricultural applications. Bioresource Technology, 2009, 100, 2130-2137.	4.8	41
25	Adsorption of Lead(II) from Water by Carbon Nanotubes: Equilibrium, Kinetics, and Thermodynamics. Water Environment Research, 2009, 81, 598-607.	1.3	28
26	Reply to the Comments on â€œPreparation and application of 4-amino-4â€²-nitroazobenzene modified chitosan as a selective adsorbent for the determination of Au(III) and Pd(II)â€• Mikrochimica Acta, 2010, 170, 189-189.	2.5	0
27	Use of fly ash, phosphogypsum and red mud as a liner material for the disposal of hazardous zinc leach residue waste. Journal of Hazardous Materials, 2010, 173, 468-473.	6.5	104
28	Removal of Pb(II) ions from aqueous solution by adsorption using bael leaves (Aegle marmelos). Journal of Hazardous Materials, 2010, 173, 502-509.	6.5	172
29	Evaluation of factors affecting performance of a zeolitic rock barrier to remove zinc from water. Journal of Hazardous Materials, 2010, 175, 224-234.	6.5	23
30	A comparison of the properties of natural clinoptilolites and their ion-exchange capacities for silver removal. Journal of Hazardous Materials, 2010, 180, 486-492.	6.5	71
31	Application of zeolite prepared from Egyptian kaolin for the removal of heavy metals: II. Isotherm models. Journal of Hazardous Materials, 2010, 182, 842-847.	6.5	142
32	Characteristics and applications of the Lagergren's first-order equation for adsorption kinetics. Journal of the Taiwan Institute of Chemical Engineers, 2010, 41, 661-669.	2.7	165
33	Preparation and characterization of novel composites based on chitosan and clinoptilolite with enhanced adsorption properties for Cu2+. Bioresource Technology, 2010, 101, 812-817.	4.8	82
34	Insights into the modeling of adsorption isotherm systems. Chemical Engineering Journal, 2010, 156, 2-10.	6.6	5,747
35	Assessment of synthetic zeolite Na Aâ€“X as sorbing barrier for strontium in a radioactive disposal facility. Chemical Engineering Journal, 2010, 157, 100-112.	6.6	94
36	A new linear form analysis of Redlichâ€“Peterson isotherm equation for the adsorptions of dyes. Chemical Engineering Journal, 2010, 162, 21-27.	6.6	209

#	Article	IF	Citations
37	Performance of magnesium oxide-coated bentonite in removal process of copper ions from aqueous solution. Desalination, 2010, 257, 163-169.	4.0	50
38	Lead and cadmium immobilization on calcitic limestone materials. Desalination, 2010, 262, 1-10.	4.0	52
39	Removal of Heavy Metal Ions by Waste Biomass of Saccharomyces Cerevisiae. Journal of Environmental Engineering, ASCE, 2010, 136, 95-102.	0.7	30
40	Water Treatment Technologies for the Removal of High-Toxity Pollutants. NATO Science for Peace and Security Series C: Environmental Security, 2010, , .	0.1	6
41	Aqueous Phase Adsorption of Cephalexin onto Bentonite and Activated Carbon. Separation Science and Technology, 2010, 45, 1286-1294.	1.3	47
42	Kinetic Modeling of the Biosorption of Lead(II) from Aqueous Solutions by Solid Waste Resulting from the Olive Oil Production. Journal of Chemical & Engineering Data, 2011, 56, 3053-3060.	1.0	19
43	Removal of Lignin from Wastewater Generated by Mechanical Pulping Using Activated Charcoal and Fly Ash: Adsorption Isotherms and Thermodynamics. Industrial & Engineering Chemistry Research, 2011, 50, 7722-7732.	1.8	78
44	The potential of melt-mixed polypropyleneâ€“zeolite blends in the removal of heavy metals from aqueous media. Physics and Chemistry of the Earth, 2011, 36, 1178-1188.	1.2	20
45	Preâ€treatment of Industrial Wastewater Polluted with Lead Using Adsorbents and Ultrafiltration or Microfiltration Membranes. Water Environment Research, 2011, 83, 298-312.	1.3	10
46	Adsorption and isothermal models of atrazine by zeolite prepared from Egyptian kaolin. Solid State Sciences, 2011, 13, 198-203.	1.5	51
47	Removal of methylene blue by two zeolites prepared from naturally occurring Egyptian kaolin as cost effective technique. Solid State Sciences, 2011, 13, 1844-1851.	1.5	28
48	Kinetic studies of the removal of heavy metals from acid mine drainage by natural zeolite. International Journal of Mineral Processing, 2011, 101, 42-49.	2.6	59
49	Removal of lead from solution by combination of natural zeoliteâ€“kaolinâ€“bentonite as a new low-cost adsorbent. Chemical Engineering Journal, 2011, 174, 619-628.	6.6	95
50	Adsorption of methylene blue dye from aqueous solution by agricultural waste: Equilibrium, thermodynamics, kinetics, mechanism and process design. Colloid Journal, 2011, 73, 651-661.	0.5	74
51	A Study on Using Date Palm Fibers and Leaf Base of Palm as Adsorbents for Pb(II) Ions from Its Aqueous Solution. Water, Air, and Soil Pollution, 2011, 214, 73-82.	1.1	33
52	Kinetics and equilibrium studies on biosorption of cadmium, lead, and nickel ions from aqueous solutions by intact and chemically modified brown algae. Journal of Hazardous Materials, 2011, 185, 401-407.	6.5	292
53	Sorption of lead on Iranian bentonite and zeolite: kinetics and isotherms. Environmental Earth Sciences, 2011, 62, 559-568.	1.3	45
54	Uranium biosorption by Padina sp. algae biomass: kinetics and thermodynamics. Environmental Science and Pollution Research, 2011, 18, 1593-1605.	2.7	48

#	Article	IF	Citations
55	The adsorption behavior of Cu(II), Pb(II), and Co(II) of ethylene vinyl acetateâ€clinoptilolite nanocomposites. Journal of Applied Polymer Science, 2011, 121, 3414-3424.	1.3	15
56	Removal of aqueous toxic Hg(II) by synthesized TiO2 nanoparticles and TiO2/montmorillonite. Chemical Engineering Journal, 2011, 166, 631-638.	6.6	70
57	Adsorption behavior of nickel(II) onto cashew nut shell: Equilibrium, thermodynamics, kinetics, mechanism and process design. Chemical Engineering Journal, 2011, 167, 122-131.	6.6	280
58	Synthesis, characterization and removal of lead from water samples using lead-ion imprinted polymer. Chemical Engineering Journal, 2011, 166, 1158-1163.	6.6	77
59	Batch biosorption of lead(II) from aqueous solutions by olive tree pruning waste: Equilibrium, kinetics and thermodynamic study. Chemical Engineering Journal, 2011, 168, 170-177.	6.6	136
60	Strengthening adsorption characteristics of non-steroidal anti-inflammatory drug onto microwave-assisted mesoporous material: Process design, mechanism and characterization. Chemical Engineering Journal, 2011, 168, 1279-1288.	6.6	22
61	Common data analysis errors in batch adsorption studies. Hydrometallurgy, 2011, 105, 314-320.	1.8	280
62	Biosorption of heavy metals from aqueous solutions by chemically modified orange peel. Journal of Hazardous Materials, 2011, 185, 49-54.	6.5	440
63	Regeneration of natural zeolite polluted by lead and zinc in wastewater treatment systems. Journal of Hazardous Materials, 2011, 189, 773-786.	6.5	79
64	Preparation, characterization, and application of polypropyleneâ€“clinoptilolite composites for the selective adsorption of lead from aqueous media. Journal of Colloid and Interface Science, 2011, 359, 210-219.	5.0	49
65	Research on Adsorption of Pb²⁺ on to Microspheres Prepared by Rectorite and Humic Acid. Advanced Materials Research, 2011, 233-235, 1972-1980.	0.3	1
66	Pre-treatment of desalination feed seawater by Jordanian Tripoli, Pozzolana, and Feldspar: Batch experiments. Chemical Industry and Chemical Engineering Quarterly, 2011, 17, 163-171.	0.4	10
67	Removal and Separation of Some Radionuclides by Poly-acrylamide Based Ce(IV) Phosphate from Radioactive Waste Solutions. Separation Science and Technology, 2011, 46, 1808-1821.	1.3	34
68	The influence of pH on the adsorption of lead by Na-clinoptilolite: Kinetic and equilibrium studies. Water S A, 2012, 38, .	0.2	44
69	Heat of adsorption, adsorption energy and activation energy in adsorption and ion exchange systems. Desalination and Water Treatment, 2012, 39, 149-157.	1.0	170
70	Best Practice Guide on Metals Removal from Drinking Water by Treatment. Water Intelligence Online, 0, 11, .	0.3	2
71	Adsorption Behaviors of Glycerol from Biodiesel on Sulfonated Polystyreneâ€“Divinylbenzene Resins in Different Forms. Energy & Fuels, 2012, 26, 7060-7067.	2.5	10
72	Application of linear regression analysis for iron and copper removal process using natural zeolites. Journal of Thermal Analysis and Calorimetry, 2012, 110, 1293-1297.	2.0	3

#	Article	IF	Citations
73	Sorption of Zn(II) and Pb(II) ions in the presence of the biodegradable complexing agent of a new generation. Chemical Engineering Research and Design, 2012, 90, 1671-1679.	2.7	17
74	Removal of nickel (II) ions from aqueous solutions by biosorption on sugarcane bagasse. Journal of the Taiwan Institute of Chemical Engineers, 2012, 43, 275-281.	2.7	164
75	Calcium- and ammonium ion-modification of zeolite amendments affects the metal-uptake of Hieracium piloselloides in a dose-dependent way. Journal of Environmental Monitoring, 2012, 14, 2807.	2.1	26
76	Kinetics of the batch adsorption of methylene blue from aqueous solutions onto rice husk: effect of acid-modified process and dye concentration. Desalination and Water Treatment, 2012, 37, 200-214.	1.0	70
77	Removal of Zn(II) from aqueous solutions using Lewatit S1468. Desalination and Water Treatment, 2012, 37, 146-151.	1.0	9
78	Biosorption of cadmium (II) onto loquat leaves (Eriobotrya japonica) and their ash from aqueous solution, equilibrium, kinetics, and thermodynamic studies. International Journal of Industrial Chemistry, 2012, 3, 22.	3.1	13
79	Application of tomato peel as an efficient adsorbent for water purificationâ€"alternative biotechnology?. RSC Advances, 2012, 2, 9914.	1.7	51
80	Sorption of hexavalent chromium metal onto Amberlite IRA 410 â€“ equilibrium isotherms and kinetic studies. Desalination and Water Treatment, 2012, 38, 409-415.	1.0	10
81	Optimization of zeolite-based adsorbent composition for fabricating reliable Raschig ring shaped by extrusion using Weibull statistical theory. Microporous and Mesoporous Materials, 2012, 163, 65-75.	2.2	10
82	Adsorption Study of Glycerol in Biodiesel on the Sulfonated Adsorbent. Industrial & Engineering Chemistry Research, 2012, 51, 12933-12939.	1.8	16
83	Biosorption of Strontium by a Nonliving Brown Marine Algae,PadinaSp.. Separation Science and Technology, 2012, 47, 1886-1897.	1.3	5
84	Ammonium Removal from Aqueous Solutions by Clinoptilolite: Determination of Isotherm and Thermodynamic Parameters and Comparison of Kinetics by the Double Exponential Model and Conventional Kinetic Models. International Journal of Environmental Research and Public Health, 2012, 9, 970-984.	1.2	99
85	Leaching behavior and immobilization of copper flotation waste using fly ash. Environmental Progress and Sustainable Energy, 2012, 31, 269-276.	1.3	6
86	Removal of cadmium(II) from aqueous solution by agricultural waste cashew nut shell. Korean Journal of Chemical Engineering, 2012, 29, 756-768.	1.2	108
87	Modified coconut shell fibers: A green and economical sorbent for the removal of anions from aqueous solutions. Chemical Engineering Journal, 2012, 185-186, 274-284.	6.6	91
88	Kinetics and thermodynamics of cadmium and lead ions adsorption on NiO nanoparticles. Chemical Engineering Journal, 2012, 191, 123-131.	6.6	137
89	Cr(VI) sorption by using clinoptilolite and bacteria loaded clinoptilolite rich mineral. Microporous and Mesoporous Materials, 2012, 152, 253-261.	2.2	21
90	Removal of Pb(II) from water by natural zeolitic tuff: Kinetics and thermodynamics. Journal of Hazardous Materials, 2012, 199-200, 383-389.	6.5	99

#	Article	IF	Citations
91	Removal of lead by using Raschig rings manufactured with mixture of cement kiln dust, zeolite and bentonite. Journal of Hazardous Materials, 2012, 223-224, 13-23.	6.5	24
92	Sorption Behavior of Brilliant Blue FCF by a Fe-Zeolitic Tuff. Water, Air, and Soil Pollution, 2012, 223, 467-475.	1.1	11
93	Lead Removal from Aqueous Solution by Natural and Pretreated Zeolites. Geotechnical and Geological Engineering, 2012, 30, 253-262.	0.8	15
94	Adsorption of Pb(II) ions onto surface modified Guazuma ulmifolia seeds and batch adsorber design. Environmental Progress and Sustainable Energy, 2013, 32, 307-316.	1.3	11
95	Biosorption of lead (II) from water using heartwood charcoal of Areca catechu: equilibrium and kinetics studies. Applied Water Science, 2013, 3, 559-565.	2.8	13
96	SORPTION PROCESSES OF NATURAL IRANIAN BENTONITE EXCHANGED WITH CD²⁺, CU²⁺, NI²⁺, AND PB²⁺CATIONS. Chemical Engineering Communications, 2013, 200, 1645-1665.	1.5	12
97	Characterization of lead sorption by the natural and Fe(III)-modified zeolite. Applied Surface Science, 2013, 283, 764-774.	3.1	121
98	Synthesis of NiO using pine as template and adsorption performance for Pb(II) from aqueous solution. Applied Surface Science, 2013, 279, 129-136.	3.1	47
99	Adsorption desalination of chloride ions on composite naturalâ€“synthetic materials: An approach for the reduction of chlorine corrosion in electrodeionization units. Journal of Industrial and Engineering Chemistry, 2013, 19, 1895-1902.	2.9	9
100	Adsorption of Orange II dye from aqueous solutions using phosphoric-acid modified clam shell powder. Desalination and Water Treatment, 2013, 51, 6536-6544.	1.0	17
101	Prussian blue caged in alginate/calcium beads as adsorbents for removal of cesium ions from contaminated water. Journal of Hazardous Materials, 2013, 258-259, 93-101.	6.5	166
102	Physicochemical characterisation of natural K-clinoptilolite and heavy-metal forms from GÃ¶rdes (Manisa, western Turkey). Journal of Molecular Structure, 2013, 1054-1055, 349-358.	1.8	7
103	Adsorption of fullerene nC60 on activated sludge: Kinetics, equilibrium and influencing factors. Chemical Engineering Journal, 2013, 225, 365-371.	6.6	20
104	Adsorption thermodynamics to clean up wastewater; critical review. Reviews in Environmental Science and Biotechnology, 2013, 12, 25-44.	3.9	103
105	Arsenic sorption by nanocrystalline magnetite: An example of environmentally promising interface with geosphere. Journal of Hazardous Materials, 2013, 262, 1204-1212.	6.5	50
106	Removal of Zn (II) from Aqueous Solution onto Kaolin by Batch Design. Journal of Water Resource and Protection, 2013, 05, 669-680.	0.3	29
107	Kinetic, equilibrium and thermodynamic modelling of the sorption of metals from aqueous solution by a silica polyamine composite. Water S A, 2013, 39, .	0.2	8
108	Characteristics of Cu²⁺ Adsorption by Modified Rice Straw. Advanced Materials Research, 0, 726-731, 2622-2628.	0.3	1

#	Article	IF	Citations
109	Hexavalent Chromium Adsorption by a Novel Activated Carbon Prepared by Microwave Activation. BioResources, 2013, 9, .	0.5	16
110	The Design and Implementation of Adsorptive Removal of Cu(II) from Leachate Using ANFIS. Scientific World Journal, The, 2013, 2013, 1-9.	0.8	12
111	Lignocellulosic: Non-Conventional Low Cost Biosorbent for the Elution of Coomassie Brilliant Blue (R-250). International Journal of Chemistry, 2014, 6, .	0.3	7
112	Study of lead adsorption on activated carbons. International Journal of Biological and Chemical Sciences, 2014, 8, 1254.	0.1	2
113	Equilibrium isotherm and kinetics modeling of U(VI) adsorption by natural soil systems. Journal of Radioanalytical and Nuclear Chemistry, 2014, 303, 2193.	0.7	5
114	Adsorption of Azo-Dye Orange II from Aqueous Solutions Using a Metal-Organic Framework Material: Iron- Benzenetricarboxylate. Materials, 2014, 7, 8037-8057.	1.3	140
115	Tetraethyl Orthosilicate Coated Hydroxyapatite Powders for Lead Ions Removal from Aqueous Solutions. Journal of Nanomaterials, 2014, 2014, 1-7.	1.5	11
116	Equilibrium ion exchange studies of Ni2+ on homoionic forms of clinoptilolite. South African Journal of Science, 2014, 110, 7.	0.3	7
117	Adsorption isotherms, kinetic, and desorption studies on removal of toxic metal ions from aqueous solutions by polymeric adsorbent. Journal of Applied Polymer Science, 2015, 132, .	1.3	23
118	Adsorption of cadmium onto modified nanosized magnetite: kinetic modeling, isotherm studies, and process optimization. Desalination and Water Treatment, 0, , 1-13.	1.0	7
119	Assessment efficiency of tea wastes in arsenic removal from aqueous solution. Desalination and Water Treatment, 2014, 52, 7235-7240.	1.0	23
120	Equilibrium and Kinetic Aspects in the Sensitization of Monolayer Transparent TiO₂Thin Films with Porphyrin Dyes for DSSC Applications. International Journal of Photoenergy, 2014, 2014, 1-9.	1.4	14
121	Î²-Cyclodextrin-based polyurethane (Î²-CDPU) polymers as solid media for adsorption and determination of Pb(II) ions in dust and water samples. Research on Chemical Intermediates, 2014, 40, 2667-2679.	1.3	11
122	Error Anlaysis Studies of Dye Adsorption onto Activated Carbon from Aqueous Solutions. Particulate Science and Technology, 2014, 32, 20-27.	1.1	24
123	Enhancement of uranium(VI) biosorption by chemically modified marine-derived mangrove endophytic fungus Fusarium sp. #ZZF51. Journal of Radioanalytical and Nuclear Chemistry, 2014, 299, 193-201.	0.7	25
124	Enhanced sorption of mercury from compact fluorescent bulbs and contaminated water streams using functionalized multiwalled carbon nanotubes. Journal of Hazardous Materials, 2014, 274, 132-144.	6.5	103
125	Microporous and mesoporous materials for the treatment of wastewater produced by petrochemical activities. Journal of Cleaner Production, 2014, 77, 22-34.	4.6	42
126	Removal of arsenic species from water by batch and column operations on bagasse fly ash. Environmental Science and Pollution Research, 2014, 21, 3218-3229.	2.7	166

#	Article	IF	Citations
127	Adsorption of heavy metal cations by Na-clinoptilolite: Equilibrium and selectivity studies. Journal of Environmental Management, 2014, 137, 69-80.	3.8	102
128	Amino siloxane oligomer-linked graphene oxide as an efficient adsorbent for removal of Pb(II) from wastewater. Journal of Hazardous Materials, 2014, 274, 145-155.	6.5	238
129	Biosorption of trace elements from aqueous systems in gold mining sites by the filamentous green algae (Oedogonium sp.). Journal of Geochemical Exploration, 2014, 144, 492-503.	1.5	63
130	Sodium cobalt hexacyanoferrate encapsulated in alginate vesicle with CNT for both cesium and strontium removal. Carbohydrate Polymers, 2014, 111, 477-484.	5.1	61
131	Polymerâ€“agro-waste composites for removal of Congo red dye from wastewater: adsorption isotherms and kinetics. Desalination and Water Treatment, 2014, 52, 7797-7811.	1.0	47
132	Uranium(VI) Removal from Aqueous Solution by Poly(Amic Acid)-Modified Marine Fungus. Separation Science and Technology, 2014, 49, 1251-1258.	1.3	5
133	Phenol removal from aqueous phase by adsorption on activated carbon prepared from paper mill sludge. Desalination and Water Treatment, 2014, 52, 6505-6518.	1.0	34
134	Sorption of Cd(II)-MGDA Complexes on Polyacrylate Anion Exchangers. Separation Science and Technology, 2014, 49, 1663-1671.	1.3	2
135	Beta-blockers in the environment: Part I. Mobility and hydrolysis study. Science of the Total Environment, 2014, 493, 1112-1121.	3.9	83
136	Preferential adsorption behavior of methylene blue dye onto surface hydroxyl group enriched TiO 2 nanotube and its photocatalytic regeneration. Journal of Colloid and Interface Science, 2014, 433, 104-114.	5.0	106
137	Application of vinyl monomers functionalized cellulosic biopolymer for removal of dissolved toxic metal ions from polluted water samples. Journal of Environmental Chemical Engineering, 2014, 2, 1456-1466.	3.3	16
138	A review of potential remediation techniques for uranium(VI) ion retrieval from contaminated aqueous environment. Journal of Environmental Chemical Engineering, 2014, 2, 1621-1634.	3.3	160
139	Silver-modified clinoptilolite for the removal of Escherichia coli and heavy metals from aqueous solutions. Environmental Science and Pollution Research, 2014, 21, 10940-10948.	2.7	35
140	Removal of Lead Hydroxides Complexes from Solutions Formed in Silver/Gold: Cyanidation Process. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2014, 45, 743-751.	1.0	2
141	Biosorption of Cadmium and Lead from Aqueous Solutions by Chlorella vulgaris Biomass: Equilibrium and Kinetic Study. Arabian Journal for Science and Engineering, 2014, 39, 87-93.	1.1	61
142	Sorption of heavy metal ions from aqueous solution by a novel cast PVA/TiO2 nanohybrid adsorbent functionalized with amine groups. Journal of Industrial and Engineering Chemistry, 2014, 20, 1656-1664.	2.9	87
143	Photocatalytic Efficiency of Zeoliteâ€Based TiO₂ Composites for Reduction of Cu (<scp>II</scp>): Kinetic Models. International Journal of Applied Ceramic Technology, 2014, 11, 568-581.	1.1	11
144	Zeolite - A Natural Filter Material for Lead Polluted Water. ACTA Universitatis Cibiniensis, 2014, 64, 52-56.	0.1	0

#	Article	IF	Citations
145	Particulate/Cell Separations Using Macroporous Monolithic Matrices. , 2014, , 92-111.		0
146	Efficiency of Cu/TiO₂to remove salicylic acid by photocatalytic decomposition: kinetic modelling. Materials Technology, 2014, 29, 129-133.	1.5	13
147	Highly effective biosorption of Sr(II) from low level radioactive wastewater. Water Science and Technology, 2015, 71, 1727-1733.	1.2	4
148	Adsorption characteristics of Cs⁺ onto artificial zeolites synthesized from coal fly ash and diatomite. Journal of the Ceramic Society of Japan, 2015, 123, 1065-1072.	0.5	11
149	Sesbania sesban L. biomass as a novel adsorbent for removal of Pb(II) ions from aqueous solution: non-linear and error analysis. Green Processing and Synthesis, 2015, 4, .	1.3	1
150	Synthesis, characterization and application of metal oxides impregnated silica for the sorption of thorium. Journal of Radioanalytical and Nuclear Chemistry, 2015, 309, 841.	0.7	6
151	Mathematical Modeling and Experimental Breakthrough Curves for the Adsorption of Toxic Vapors Emitted from Crude Oil and Condensate Storage Tanks. , 2015, , .		0
152	Evaluation of the geotechnical properties of alum sludge, zeolite, and their mixtures for beneficial usage. Environmental Progress and Sustainable Energy, 2015, 34, 1028-1037.	1.3	7
153	Continuous Fixed-Bed Column Study and Adsorption Modeling: Removal of Lead Ion from Aqueous Solution by Charcoal Originated from Chemical Carbonization of Rubber Wood Sawdust. Journal of Chemistry, 2015, 2015, 1-9.	0.9	40
154	A zeoponic system modified with Penicillium simplicissimum for the removal of trace elements from aqueous solutions and gold mine leachates. Journal of Geochemical Exploration, 2015, 156, 34-43.	1.5	4
155	Adsorption of Pb(II) on raw and organically modified Jordanian bentonite. Clay Minerals, 2015, 50, 485-496.	0.2	10
156	Evaluation of the possible use of a Bulgarian clinoptilolite for removing strontium from water media. Clay Minerals, 2015, 50, 55-64.	0.2	6
157	Synthesis, characterization and adsorptive application of ferrocene based mesoporous material for hazardous dye Congo red. Journal of Industrial and Engineering Chemistry, 2015, 26, 234-242.	2.9	26
158	Removal of lead (II) from aqueous solutions by adsorption onto activated carbons prepared from coconut shell. Desalination and Water Treatment, 2015, , 1-19.	1.0	5
159	An examination of isotherm generation: Impact of bottle-point method upon potassium ion exchange with strong acid cation resin. Separation and Purification Technology, 2015, 141, 366-377.	3.9	42
160	Adsorption characterization of Pb(<scp>ii</scp>) ions onto iodate doped chitosan composite: equilibrium and kinetic studies. RSC Advances, 2015, 5, 54188-54201.	1.7	107
161	Ion exchange treatment of saline solutions using Lanxess S108H strong acid cation resin. Chemical Engineering Journal, 2015, 280, 525-535.	6.6	48
162	Equilibrium, kinetics and thermodynamics studies of chitosan-based solid phase nanoparticles as sorbent for lead (II) cations from aqueous solution. Materials Chemistry and Physics, 2015, 162, 580-591.	2.0	13

#	Article	IF	Citations
163	Copper adsorption onto synthesized nitrilotriacetic acid functionalized Fe3O4 nanoparticles: kinetic, equilibrium and thermodynamic studies. Journal of Environmental Chemical Engineering, 2015, 3, 2161-2171.	3.3	41
164	Modification of activated carbon by 2,6-diaminopyridine for separation of Hg2+ from aqueous solutions. Journal of Environmental Chemical Engineering, 2015, 3, 1662-1668.	3.3	5
165	Simultaneous removal of arsenate and antimonate in simulated and practical water samples by adsorption onto Zn/Fe layered double hydroxide. Chemical Engineering Journal, 2015, 276, 365-375.	6.6	141
166	Modified phyto-waste Terminalia catappa fruit shells: a reusable adsorbent for the removal of micropollutant diclofenac. RSC Advances, 2015, 5, 30950-30962.	1.7	61
167	Preparation of nitrogen-functionalized mesoporous carbon and its application for removal of copper ions. Journal of Materials Science, 2015, 50, 4600-4609.	1.7	18
168	Biosorption characteristics of 1,8-dihydroxy anthraquinone onto Aspergillus oryzae CGMCC5992 biomass. International Journal of Environmental Science and Technology, 2015, 12, 3351-3362.	1.8	10
169	New double network hydrogel adsorbent: Highly efficient removal of Cd(II) and Mn(II) ions in aqueous solution. Chemical Engineering Journal, 2015, 275, 179-188.	6.6	117
170	Kinetic, isotherm, and thermodynamic investigations of uranium(VI) adsorption on synthesized ion-exchange chelating resin and prediction with an artificial neural network. Desalination and Water Treatment, 2015, 55, 1076-1087.	1.0	27
171	Fabrication, characterization and statistical investigation of a new starch-based hydrogel nanocomposite for ammonium adsorption. Journal of the Taiwan Institute of Chemical Engineers, 2015, 51, 201-215.	2.7	24
172	Magnetic Pb(II) Ion-Imprinted Polymer Prepared by Surface Imprinting Technique and its Adsorption Properties. Separation Science and Technology, 2015, 50, 901-910.	1.3	22
173	Factorial design analysis for optimizing the removal of cesium and strontium ions on synthetic nano-sized zeolite. Journal of the Taiwan Institute of Chemical Engineers, 2015, 55, 133-144.	2.7	41
174	Novel microwave-assisted multiwall carbon nanotubes enhancing Cu (II) adsorption capacity in water. Journal of the Taiwan Institute of Chemical Engineers, 2015, 53, 140-152.	2.7	32
175	The removal of lead ions from aqueous solution by using magnetic hydroxypropyl chitosan/oxidized multiwalled carbon nanotubes composites. Journal of Colloid and Interface Science, 2015, 451, 7-14.	5.0	118
176	Heat of adsorption of surfactants and its role on nanoparticle stabilization. Journal of Chemical Thermodynamics, 2015, 91, 256-266.	1.0	13
177	Comparative study of isotherm parameters of lead biosorption by two wastes of olive-oil production. Water Science and Technology, 2015, 72, 711-720.	1.2	11
178	Removal ofEscherichia coliand heavy metals from aqueous solutions using silver-modified clinoptilolite. Desalination and Water Treatment, 2015, 55, 777-782.	1.0	2
179	Kinetic and isotherm analysis for selective thorium(IV) retrieval from aqueous environment using eco-friendly cellulose composite. International Journal of Environmental Science and Technology, 2015, 12, 3095-3106.	1.8	39
180	Polypropyleneâ€“zeolite polymer composites for water purification: synthesis, characterisation and application. Desalination and Water Treatment, 2015, 53, 2604-2612.	1.0	12

#	Article	IF	Citations
181	Application of response surface methodology for thorium adsorption on PVA/Fe3O4/SiO2/APTES nanohybrid adsorbent. Journal of Industrial and Engineering Chemistry, 2015, 26, 277-285.	2.9	75
182	A novel electrospun PVA/ZnO nanofiber adsorbent for U(VI), Cu(II) and Ni(II) removal from aqueous solution. Journal of the Taiwan Institute of Chemical Engineers, 2015, 46, 109-118.	2.7	112
183	Thermodynamics and kinetics of bivalent cadmium biosorption onto nanoparticles of chitosan-based biopolymers. Journal of the Taiwan Institute of Chemical Engineers, 2015, 47, 79-90.	2.7	37
184	A study on removal characteristics ofo-,m-, andp-nitrophenol from aqueous solutions by organically modified diatomaceous earth. Desalination and Water Treatment, 2015, 56, 826-838.	1.0	13
185	Iron oxide/hydroxide (Î±,Î³-FeOOH) nanoparticles as high potential adsorbents for lead removal from polluted aquatic media. Journal of Industrial and Engineering Chemistry, 2015, 23, 33-43.	2.9	139
186	Microwave assisted multiwall carbon nanotubes enhancing Cd(II) adsorption capacity in aqueous media. Journal of Industrial and Engineering Chemistry, 2015, 24, 24-33.	2.9	34
187	PERFORMANCE EVALUATION OF Fe (III) ADSORPTION ONTO BREWERSâ€™ SPENT GRAIN. Nigerian Journal of Technology, 2016, 35, 970.	0.2	8
188	MODIFIED STARCH OF AMORPHOPHALLUSCAMPANULATUS AS A NOVEL ADSORBENT FOR WATERADSORPTION. Reaktor, 2016, 16, .	0.2	1
189	Biosorption and Diffusion Modeling of Pb(II) by Malt Bagasse. International Journal of Chemical Engineering, 2016, 2016, 1-11.	1.4	13
190	Comparative Kinetic Study of Removal of Pb2+ Ions and Cr3+ Ions from Waste Water using Carbon Nanotubes Produced using Microwave Heating. Journal of Carbon Research, 2016, 2, 7.	1.4	11
191	Application of Some Natural Porous Raw Materials for Removal of Lead and Zinc from Aqueous Solutions. , 0, , .		4
192	Adsorption of bentazon on two kinds of granular activated carbons: equilibrium, kinetic and thermodynamic studies. Desalination and Water Treatment, 2016, 57, 28762-28775.	1.0	1
193	Development of kinetic and equilibrium models for removal of <scp>C</scp>d²⁺ and <scp>Z</scp>n²⁺ ions from aqueous solutions by clinoptilolite. Environmental Progress and Sustainable Energy, 2016, 35, 633-641.	1.3	9
194	Development and characterization of a new adsorbent for biomolecule separation: intercalation and adsorption of clavulanic acid in layered double hydroxides. Journal of Chemical Technology and Biotechnology, 2016, 91, 1709-1719.	1.6	4
195	Characterisation and adsorption properties of oxalate-loaded hematite composite for Cd(II) and Pb(II) adsorption: Equilibrium models, thermodynamic and kinetic studies. Separation Science and Technology, 2016, 51, 2122-2137.	1.3	7
196	Characterization of biochar prepared from slow pyrolysis of Jordanian olive oil processing solid waste and adsorption efficiency of Hg2+ ions in aqueous solutions. Water Science and Technology, 2016, 74, 1899-1910.	1.2	23
197	Behaviour of natural zeolites used for the treatment of simulated and actual coal seam gas water. Journal of Environmental Chemical Engineering, 2016, 4, 1918-1928.	3.3	36
198	Isotherm, kinetic and thermodynamic characteristics of adsorption of paclitaxel onto Diaion HP-20. Process Biochemistry, 2016, 51, 917-924.	1.8	75

#	Article	IF	Citations
199	Application of bifunctionalMangifera indicaL.-loadedÂSaccharomyces cerevisiaeas efficacious biosorbent for bivalent cobalt and nickel cations from different wastewaters: equilibrium and kinetic studies. Desalination and Water Treatment, 2016, 57, 8967-8980.	1.0	10
200	Kinetic, thermodynamic and equilibrium studies on the removal of copper ions from aqueous solutions by natural and modified clinoptilolites. Korean Journal of Chemical Engineering, 2016, 33, 1629-1639.	1.2	8
201	Silica with immobilized phosphinic acid-derivative for uranium extraction. Journal of Hazardous Materials, 2016, 314, 326-340.	6.5	79
202	Adsorption equilibrium and kinetics of uranium onto porous azo-metalâ€“organic frameworks. Journal of Radioanalytical and Nuclear Chemistry, 2016, 310, 353-362.	0.7	56
203	Enhanced adsorption of heavy metals with biogenic manganese oxide immobilized on zeolite. KSCE Journal of Civil Engineering, 2016, 20, 2189-2196.	0.9	19
204	Batch adsorption studies of the removal of methyl violet 2B by soya bean waste: isotherm, kinetics and artificial neural network modelling. Environmental Earth Sciences, 2016, 75, 1.	1.3	47
205	A novel magnetic chitosan/clinoptilolite/magnetite nanocomposite for highly efficient removal of Pb(II) ions from aqueous solution. Powder Technology, 2016, 302, 372-383.	2.1	92
206	Batch and chromatographic removal of Nd3+ and Dy3+ ions from waste solutions using humic acid. Journal of Environmental Chemical Engineering, 2016, 4, 4310-4322.	3.3	2
207	Removal of uranium ions from synthetic wastewater using ZnO/Na-clinoptilolite nanocomposites. Radiochimica Acta, 2016, 104, 809-819.	0.5	5
208	Adsorption and Thermal Stabilization of Pb²⁺ and Cu²⁺ by Zeolite. Industrial & Engineering Chemistry Research, 2016, 55, 8767-8773.	1.8	51
209	Tetracycline adsorption onto rice husk ash, an agricultural waste: Its kinetic and thermodynamic studies. Journal of Molecular Liquids, 2016, 222, 487-494.	2.3	164
210	Surface molecularly imprinted organic-inorganic polymers having affinity sites for cholesterol. Reactive and Functional Polymers, 2016, 109, 88-98.	2.0	28
211	Modeling of heavy metal ion adsorption isotherms onto metallophthalocyanine film. Sensors and Actuators B: Chemical, 2016, 237, 953-961.	4.0	68
212	Fuchsine biosorption using Asplenium nidus biosorbent-a mechanism using kinetic and isotherm data. RSC Advances, 2016, 6, 98682-98692.	1.7	8
213	Synthesis of zinc oxide/talc nanocomposite for enhanced lead adsorption from aqueous solutions. RSC Advances, 2016, 6, 108819-108827.	1.7	92
214	Recovered materials from spent lithium-ion batteries (LIBs) as adsorbents for dye removal: Equilibrium, kinetics and mechanism. Journal of Environmental Chemical Engineering, 2016, 4, 4631-4643.	3.3	42
215	CR-100 synthetic zeolite adsorption characteristics toward Northern Banat groundwater ammonia. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2016, 51, 1068-1074.	0.9	1
216	Biosorption of Pb²⁺ from aqueous solution by rice straw modified with citric acid. Environmental Progress and Sustainable Energy, 2016, 35, 359-367.	1.3	8

#	Article	IF	Citations
217	Preparation and characterization of a composite based on polyaniline, polypyrrole and cigarette filters: adsorption studies and kinetics of phenylbutazone in aqueous media. RSC Advances, 2016, 6, 64450-64459.	1.7	28
218	Novel pre-treatment of zeolite materials for the removal of sodium ions: potential materials for coal seam gas co-produced wastewater. SpringerPlus, 2016, 5, 571.	1.2	28
219	Thermally modified molybdenum oxide as a potential sorbent for the removal of metal cations from aqueous solutions. Journal of Radioanalytical and Nuclear Chemistry, 2016, 307, 555-565.	0.7	4
220	Equilibrium and kinetics studies of hexavalent chromium biosorption on a novel green macroalgae Enteromorpha sp.. Research on Chemical Intermediates, 2016, 42, 1275-1294.	1.3	46
221	Enhanced separation and extraction of cadmium and lead by a novel magnetite-immobilized-gelatin nano-sorbent. Separation Science and Technology, 2016, 51, 767-777.	1.3	5
222	Adsorption properties of lignin containing bentoniteâ€“polyacrylamide composite for ions. Desalination and Water Treatment, 2016, 57, 23790-23799.	1.0	18
223	Facile one-pot electrosynthesis of Al(OH)₃ â€“ kinetics and equilibrium modeling for adsorption of 2,4,5-trichlorophenoxyacetic acid from aqueous solution. New Journal of Chemistry, 2016, 40, 2249-2258.	1.4	45
224	Isotherm and kinetic study on Ni(II) and Pb(II) biosorption by the fern Asplenium nidus L.. Ecological Engineering, 2016, 88, 237-241.	1.6	30
225	Application of novel, low-cost, laterite-based adsorbent for removal of lead from water: Equilibrium, kinetic and thermodynamic studies. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2016, 51, 193-203.	0.9	17
226	Phenols removal from industrial effluents through novel polymeric resins: Kinetics and equilibrium studies. Separation and Purification Technology, 2016, 160, 136-144.	3.9	57
227	Removal of Cs+ and Sr2+ from water using MWCNT reinforced Zeolite-A beads. Microporous and Mesoporous Materials, 2016, 224, 84-88.	2.2	51
228	Phytoremediation and absorption isotherms of heavy metal ions byConvolvulus tricolor(CTC). International Journal of Phytoremediation, 2016, 18, 329-336.	1.7	1
229	Polymer inclusion membrane containing a tripodal diglycolamide (T-DGA): Characterization and sorption isotherm studies. Journal of Environmental Chemical Engineering, 2016, 4, 1826-1838.	3.3	9
230	Kinetics, isotherm, and thermodynamic studies of the adsorption of reactive red 195 A dye from water by modified Switchgrass Biochar adsorbent. Journal of Industrial and Engineering Chemistry, 2016, 37, 156-167.	2.9	161
231	Environmental behavior of engineered nanomaterials in porous media: a review. Journal of Hazardous Materials, 2016, 309, 133-150.	6.5	90
232	Study on uranium(VI) biosorption of marine-derived fungus treated by cetyltrimethyl ammonium bromide. Journal of Radioanalytical and Nuclear Chemistry, 2016, 307, 1147-1154.	0.7	8
233	L-cystein modified bentonite-cellulose nanocomposite (cellu/cys-bent) for adsorption of Cu²⁺, Pb²⁺, and Cd²⁺ions from aqueous solution. Separation Science and Technology, 2016, 51, 381-394.	1.3	35
234	Assessment of iron ore mineral wastes for sulfate removal from groundwater wells: a case study. RSC Advances, 2016, 6, 11719-11734.	1.7	8

#	Article	IF	Citations
235	Use of natural mordenite to remove chromium (III) and to neutralize pH of alkaline waste waters. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2016, 51, 425-433.	0.9	3
236	Kinetic and equilibrium studies of decolorization of effluent of handmade paper industry by low-cost fly ash. Desalination and Water Treatment, 2016, 57, 25783-25799.	1.0	2
237	Dechlorination Mechanism of 2,4-Dichlorophenol by Magnetic MWCNTs Supported Pd/Fe Nanohybrids: Rapid Adsorption, Gradual Dechlorination, and Desorption of Phenol. ACS Applied Materials & Interfaces, 2016, 8, 7333-7342.	4.0	126
238	Rapid adsorption of toxic Pb(II) ions from aqueous solution using multiwall carbon nanotubes synthesized by microwave chemical vapor deposition technique. Journal of Environmental Sciences, 2016, 45, 143-155.	3.2	72
239	Low-cost nanoparticles sorbent from modified rice husk and a copolymer for efficient removal of Pb(II) and crystal violet from water. Chemosphere, 2016, 146, 253-262.	4.2	89
240	Modeling of equilibrium isotherms and kinetic studies of Cr (VI) adsorption into natural and acid-activated clays. Arabian Journal of Geosciences, 2016, 9, 1.	0.6	17
241	Molecular simulation of geometrically optimized polyoxymethylene/poly (vinylalcohol) gel membrane for electroless scrubbing Ni(II) ions. Journal of Environmental Chemical Engineering, 2016, 4, 434-439.	3.3	14
242	A study on natural clinoptilolite for CO₂/N₂gas separation. Separation Science and Technology, 2016, 51, 83-95.	1.3	18
243	Adsorption characterizations of biosorbent extracted from waste activated sludge for Pb(II) and Zn(II). Desalination and Water Treatment, 2016, 57, 9343-9353.	1.0	24
244	Spectroscopic studies of porphyrin functionalized multiwalled carbon nanotubes and their interaction with TiO2 nanoparticles surface. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2016, 153, 22-29.	2.0	20
245	Effect of sips sorption isotherm on contaminant transport mechanism in fractured porous media. KSCE Journal of Civil Engineering, 2016, 20, 1714-1720.	0.9	4
246	Removing lead from aqueous solutions using different low-cost abundant adsorbents. Desalination and Water Treatment, 2016, 57, 5025-5034.	1.0	3
247	Simultaneous biosorption of methylene blue and trivalent chromium onto olive stone. Desalination and Water Treatment, 2016, 57, 17400-17410.	1.0	10
248	MnFe₂O₄nano spinels as potential sorbent for adsorption of chromium from industrial wastewater. Desalination and Water Treatment, 2016, 57, 16495-16506.	1.0	11
249	Optimized graphene oxide foam with enhanced performance and high selectivity for mercury removal from water. Journal of Hazardous Materials, 2016, 301, 453-461.	6.5	89
250	Application of Terminalia arjuna as potential adsorbent for the removal of Pb(II) from aqueous solution: thermodynamics, kinetics and process design. Desalination and Water Treatment, 2016, 57, 17808-17825.	1.0	14
251	Batch adsorption of cephalexin antibiotic from aqueous solution by walnut shell-based activated carbon. Journal of the Taiwan Institute of Chemical Engineers, 2016, 58, 357-365.	2.7	119
252	Assessment of the adsorptive color removal of methylene blue dye from water by activated carbon sorbent-immobilized-sodium decyl sulfate surfactant. Desalination and Water Treatment, 2016, 57, 8389-8405.	1.0	6

#	Article	IF	Citations
253	Efficient treatment of lead-containing wastewater by hydroxyapatite/chitosan nanostructures. Arabian Journal of Chemistry, 2017, 10, 683-690.	2.3	75
254	Removal of lead by solar-photovoltaic electrocoagulation using novel perforated zinc electrode. Journal of Cleaner Production, 2017, 147, 206-216.	4.6	63
255	Reduction of seawater salinity by natural zeolite (Clinoptilolite): Adsorption isotherms, thermodynamics and kinetics. Desalination, 2017, 409, 146-156.	4.0	151
256	Phosphoryl functionalized mesoporous silica for uranium adsorption. Applied Surface Science, 2017, 402, 53-60.	3.1	148
257	An efficient modified zeolite for simultaneous removal of Pb(II) and Hg(II) from aqueous solution. Journal of Molecular Liquids, 2017, 230, 221-229.	2.3	123
258	Adsorption of phosphate from aqueous solution using iron-zirconium modified activated carbon nanofiber: Performance and mechanism. Journal of Colloid and Interface Science, 2017, 493, 17-23.	5.0	267
259	An Efficient Cost-Effective Removal of Ca²⁺, Mg²⁺, and Cu²⁺ Ions from Aqueous Medium Using Chlorosodalite Synthesized from Coal Fly Ash. Journal of Chemical & Engineering Data, 2017, 62, 596-607.	1.0	11
260	Uptake of heavy metal ions from aqueous solutions by sorbents obtained from the spent ion exchange resins. Microporous and Mesoporous Materials, 2017, 244, 127-136.	2.2	49
261	Adsorption of phosphate ions from aqueous solution by modified bentonite with magnesium hydroxide Mg(OH)2. Applied Clay Science, 2017, 140, 157-164.	2.6	107
262	Comparative and competitive adsorptive removal of Ni2+ and Cu2+ from aqueous solution using iron oxide-vermiculite composite. Applied Clay Science, 2017, 140, 38-49.	2.6	31
263	Enhanced removal of phosphate and nitrate ions from aqueous media using nanosized lanthanum hydrous doped on magnetic graphene nanocomposite. Journal of Environmental Management, 2017, 197, 265-274.	3.8	135
264	Utilization of Natural Zeolite as Sorbent Material for Seawater Desalination. Procedia Engineering, 2017, 170, 8-13.	1.2	42
265	Denitrogenation and desulfurization of model diesel fuel using functionalized polymer: Charge transfer complex formation and adsorption isotherm study. Chemical Engineering Journal, 2017, 325, 176-187.	6.6	39
266	Graphene Oxide Nanosheets as An Efficient and Reusable Sorbents for Eosin Yellow Dye Removal from Aqueous Solutions. ChemistrySelect, 2017, 2, 3598-3607.	0.7	24
267	Calcined eggshell as a cost effective material for removal of dyes from aqueous solution. Applied Water Science, 2017, 7, 4255-4268.	2.8	36
268	Biosorption of chromium (VI) from aqueous solutions and ANN modelling. Environmental Science and Pollution Research, 2017, 24, 18817-18835.	2.7	70
269	Highly Efficient Lead Distribution by Magnetic Sewage Sludge Biochar: Sorption Mechanisms and Bench Applications. Bioresource Technology, 2017, 238, 399-406.	4.8	198
270	UV Light-Assisted Degradation of Methyl Orange, Methylene Blue, Phenol, Salicylic Acid, and Rhodamine B: Photolysis Versus Photocatalyis. Water, Air, and Soil Pollution, 2017, 228, 1.	1.1	37

#	Article	IF	Citations
271	A novel design for clean and economical manufacturing new nano-porous zeolite based adsorbent by alkali cement kiln dust for lead uptake from wastewater. Journal of Cleaner Production, 2017, 143, 440-451.	4.6	28
272	Removal of Pb (II) and Cu (II) ions from wastewater using composite electrospun cellulose acetate/titanium oxide (TiO2) adsorbent. Journal of Water Process Engineering, 2017, 16, 1-13.	2.6	93
274	Pb(II) Removal Using TiO2-Embedded Monolith Composite Cryogel as an Alternative Wastewater Treatment Method. Water, Air, and Soil Pollution, 2017, 228, 1.	1.1	20
275	Smart responsive materials for water purification: an overview. Journal of Materials Chemistry A, 2017, 5, 22095-22112.	5.2	98
276	Electrospun nylon 6,6 membrane as a reusable nano-adsorbent for bisphenol A removal: Adsorption performance and mechanism. Journal of Colloid and Interface Science, 2017, 508, 591-602.	5.0	70
277	Modification of biochar derived from sawdust and its application in removal of tetracycline and copper from aqueous solution: Adsorption mechanism and modelling. Bioresource Technology, 2017, 245, 266-273.	4.8	553
278	Melamine-based dendrimer amine-modified magnetic nanoparticles as an efficient Pb(II) adsorbent for wastewater treatment: Adsorption optimization by response surface methodology. Chemosphere, 2017, 189, 291-300.	4.2	51
279	Chitosan adsorbents for dye removal: a review. Polymer International, 2017, 66, 1800-1811.	1.6	140
280	Disinfection of water with new chitosan-modified hybrid clay composite adsorbent. Heliyon, 2017, 3, e00379.	1.4	34
281	Adsorption of Cadmium, Copper and Chromium by an Agricultural Soil Impacted by Mining Activities. Water, Air, and Soil Pollution, 2017, 228, 1.	1.1	7
282	Rapid and efficient removal of Pb(II) from aqueous solutions using biomass-derived activated carbon with humic acid in-situ modification. Ecotoxicology and Environmental Safety, 2017, 145, 442-448.	2.9	47
283	Isotherm, kinetic and thermodynamic studies on the adsorption of 13-dehydroxybaccatin III from Taxus chinensis onto Sylopute. Journal of Chemical Thermodynamics, 2017, 115, 261-268.	1.0	24
284	Investigation of Cu(II) adsorption on Slovak bentonites and illite/smectite for agricultural applications. Journal of Radioanalytical and Nuclear Chemistry, 2017, 314, 2425-2435.	0.7	8
285	Rapid interaction, in aqueous media, between anionic dyes and cellulosic Nerium oleander fibers modified with Ethylene-Diamine and Hydrazine. Journal of Molecular Liquids, 2017, 242, 272-283.	2.3	14
286	Preparation and characterization of calcium treated bentonite clay and its application for the removal of lead and cadmium ions: Adsorption and thermodynamic modeling. Chemical Engineering Research and Design, 2017, 111, 244-252.	2.7	37
287	Removal of Heavy Metals, Lead, Cadmium, and Zinc, Using Adsorption Processes by Cost-Effective Adsorbents. , 2017, , 109-138.		14
288	Adsorption Processes for Water Treatment and Purification. , 2017, , .		159
289	Assessment of heat-inactivated marine Aspergillus flavus as a novel biosorbent for removal of Cd(II), Hg(II), and Pb(II) from water. Environmental Science and Pollution Research, 2017, 24, 18218-18228.	2.7	30

#	Article	IF	Citations
290	Application of response surface methodology for optimization of lead removal from an aqueous solution by a novel superparamagnetic nanocomposite. Adsorption Science and Technology, 2017, 35, 241-260.	1.5	46
291	Removal of methylparaben from synthetic aqueous solutions using polyacrylonitrile beads: kinetic and equilibrium studies. Environmental Science and Pollution Research, 2017, 24, 1270-1282.	2.7	14
292	Biosorption capacity and kinetics of cadmium(II) on live and dead Chlorella vulgaris. Journal of Applied Phycology, 2017, 29, 211-221.	1.5	71
293	Efficient Removal of Heavy Metal Ions with An EDTA Functionalized Chitosan/Polyacrylamide Double Network Hydrogel. ACS Sustainable Chemistry and Engineering, 2017, 5, 843-851.	3.2	177
294	Adsorption of heavy metals from wastewater graphic industry using clinoptilolite zeolite as adsorbent. Chemical Engineering Research and Design, 2017, 105, 194-200.	2.7	164
295	Isotherm, kinetic, and thermodynamic studies on the adsorption behavior of 10-deacetylpaclitaxel onto Sylopute. Biotechnology and Bioprocess Engineering, 2017, 22, 620-630.	1.4	9
296	A low sludge generated anode by hybrid solar electrocoagulation for the removal of lead. IOP Conference Series: Materials Science and Engineering, 2017, 210, 012013.	0.3	0
297	Mechanism and equilibrium modeling of Re and Mo adsorption on a gel type strong base anion resin. Russian Journal of Applied Chemistry, 2017, 90, 1504-1513.	0.1	8
298	Calcium Sulfate Hemihydrate Whiskers Obtained from Flue Gas Desulfurization Gypsum and Used for the Adsorption Removal of Lead. Crystals, 2017, 7, 270.	1.0	32
299	Modelling and Interpretation of Adsorption Isotherms. Journal of Chemistry, 2017, 2017, 1-11.	0.9	1,525
300	A NEW CHITOSAN BIOPOLYMER DERIVATIVE FOR THE REMOVAL OF COPPER (II) AND LEAD (II) FROM AQUEOUS SOLUTIONS: SYNTHESIS, CHARACTERIZATION AND ADSORPTION STUDIES. Jurnal Teknologi (Sciences and Engineering), 2017, 79, .	0.3	0
301	Fabrication of Amino Functionalized Magnetic Expanded Graphite Nanohybrids for Application in Removal of Ag(I) from Aqueous Solution. Journal of Nanomaterials, 2017, 2017, 1-11.	1.5	5
302	Experimental and Modeling Study of Organic Chloride Compounds Removal from Naphtha Fraction of Contaminated Crude Oil Using Sintered Î³-Al₂O₃ Nanoparticles: Equilibrium, Kinetic, and Thermodynamic Analysis. Energy & Fuels, 2018, 32, 4025-4039.	2.5	9
303	A novel method to prepare a magnetic carbon-based adsorbent with sugar-containing water as the carbon source and DETA as the modifying reagent. Environmental Science and Pollution Research, 2018, 25, 13645-13659.	2.7	7
304	Facile One-Pot Synthesis of Sustainable Carboxymethyl Chitosan â€“ Sewage Sludge Biochar for Effective Heavy Metal Chelation and Regeneration. Bioresource Technology, 2018, 262, 22-31.	4.8	118
305	Preparation of activated carbon dots from sugarcane bagasse for naphthalene removal from aqueous solutions. Separation Science and Technology, 2018, 53, 2536-2549.	1.3	23
306	OPAC (orange peel activated carbon) derived from waste orange peel for the adsorption of chlorophenoxyacetic acid herbicides from water: Adsorption isotherm, kinetic modelling and thermodynamic studies. Bioresource Technology, 2018, 261, 329-341.	4.8	189
307	Experimental design data for the zinc ions adsorption based on mesoporous modified chitosan using central composite design method. Carbohydrate Polymers, 2018, 188, 197-212.	5.1	49

#	Article	IF	Citations
308	Synthesis, characterization and study of sorption parameters of multi-walled carbon nanotubes/chitosan nanocomposite for the removal of picric acid from aqueous solutions. International Journal of Biological Macromolecules, 2018, 109, 598-610.	3.6	38
309	Adsorption properties of Pseudomonas monteilii for removal of uranium from aqueous solution. Journal of Radioanalytical and Nuclear Chemistry, 2018, 315, 243-250.	0.7	4
310	Crustacean derived calcium phosphate systems: Application in defluoridation of drinking water in East African rift valley. Journal of Hazardous Materials, 2018, 347, 95-105.	6.5	24
311	Removal of phosphate from aqueous solution by sewage sludge-based activated carbon loaded with pyrolusite. Journal of Water Reuse and Desalination, 2018, 8, 192-201.	1.2	25
312	Equilibrium modeling in adsorption of Re and Mo ions from single and binary aqueous solutions on Dowex 21K resin. Geosystem Engineering, 2018, 21, 73-80.	0.7	11
313	Development of polymeric iron/zirconium-pillared clinoptilolite for simultaneous removal of multiple inorganic contaminants from wastewater. Chemical Engineering Journal, 2018, 347, 819-827.	6.6	21
314	Synthesis and efficacy of PPy/CS/GO nanocomposites for adsorption of ponceau 4R dye. Polymer, 2018, 146, 291-303.	1.8	60
315	Effect of alkali-treatment on the characteristics of natural zeolites with different compositions. Journal of Colloid and Interface Science, 2018, 523, 266-281.	5.0	41
316	Adsorption isotherm, kinetic modeling and mechanism of tetracycline on Pinus taeda-derived activated biochar. Bioresource Technology, 2018, 259, 24-31.	4.8	401
317	Comparative performance of novel magnetic ion-imprinted adsorbents employed for Cd2+, Cu2+ and Ni2+ removal from aqueous solutions. Environmental Science and Pollution Research, 2018, 25, 15068-15079.	2.7	12
318	Application of coconut shell, banana peel, spent coffee grounds, eucalyptus bark, piassava (Attalea) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 Journal of Environmental Chemical Engineering, 2018, 6, 2319-2334.	3.3	45
319	Thiourea modified hyperâ€crosslinked polystyrene resin for heavy metal ions removal from aqueous solutions. Journal of Applied Polymer Science, 2018, 135, 45568.	1.3	40
320	Adsorption isotherms, thermodynamics, kinetics and mechanism for the removal of Ca2+, Mg2+ and Cu2+ ions onto Nosean prepared by using Coal Fly Ash. Journal of Environmental Chemical Engineering, 2018, 6, 2369-2381.	3.3	11
321	Vehicular Tire as Potential Adsorbent for the Removal of Polycyclic Aromatic Hydrocarbons. Polycyclic Aromatic Compounds, 2018, 38, 354-368.	1.4	15
322	Equilibrium, Kinetic and Thermodynamic Studies Of Lead (II) Sorption on Hydrolyzed Starch Graft Copolymers. Journal of Polymers and the Environment, 2018, 26, 807-818.	2.4	12
323	Modelling of Fluoride Biosorption by Calcium-doped Algae Using Response Surface Methodology. Indian Chemical Engineer, 2018, 60, 37-57.	0.9	4
324	Recent advances based on the synergetic effect of adsorption for removal of dyes from waste water using photocatalytic process. Journal of Environmental Sciences, 2018, 65, 201-222.	3.2	541
325	Use of three types of magnetic biochar in the removal of copper(II) ions from wastewaters. Separation Science and Technology, 2018, 53, 1045-1057.	1.3	22

#	Article	IF	Citations
326	Assessment of reaction between thorium and polyelectrolyte nano-thin film using Boxâ€“Behnken design. Adsorption Science and Technology, 2018, 36, 586-607.	1.5	8
327	Biosorption of fluoride by water lettuce (Pistia stratiotes) from contaminated water. International Journal of Environmental Science and Technology, 2018, 15, 801-810.	1.8	16
328	Removal of methylene blue from water solution by modified nano-boehmite with Bismuth. Inorganic and Nano-Metal Chemistry, 2018, 48, 31-40.	0.9	15
329	Desorption of sulphur mustard simulants methyl salicylate and 2-chloroethyl ethyl sulphide from contaminated scalp hair after vapour exposure. Chemosphere, 2018, 191, 721-728.	4.2	11
330	Sorption of Cr, Pb, Cu, Zn, Cd, Ni, and Co to nano-TiO2 in seawater. Water Science and Technology, 2018, 77, 145-158.	1.2	6
331	Steel-Making dust as a potential adsorbent for the removal of lead (II) from an aqueous solution. Chemical Engineering Journal, 2018, 334, 837-844.	6.6	96
332	Synergistic interface behavior of strontium adsorption using mixed microorganisms. Environmental Science and Pollution Research, 2018, 25, 22368-22377.	2.7	9
333	Sodium montmorillonite/ureasil-poly(oxyethylene) nanocomposite as potential adsorbent of cationic dye. Applied Clay Science, 2018, 152, 158-165.	2.6	12
334	Comparison of adsorption and desorption of phosphate on synthesized Zn-Al LDH by two methods in a simulated soil solution. Applied Clay Science, 2018, 152, 333-341.	2.6	102
335	Fast adsorption of heavy metal ions by waste cotton fabrics based double network hydrogel and influencing factors insight. Journal of Hazardous Materials, 2018, 344, 1034-1042.	6.5	149
336	Surface modification of a natural zeolite by treatment with cold oxygen plasma: Characterization and application in water treatment. Applied Surface Science, 2018, 434, 1193-1199.	3.1	37
337	Environmentally sustainable acid mine drainage remediation: Research developments with a focus on waste/by-products. Minerals Engineering, 2018, 126, 207-220.	1.8	123
338	Removal of Copper and Lead using Banana Biochar in Batch Adsorption Systems: Isotherms and Kinetic Studies. Arabian Journal for Science and Engineering, 2018, 43, 5711-5722.	1.7	66
339	Removal of cobalt (II) ions from aqueous solutions utilizing the pre-treated 2-Hypnea Valentiae algae: Equilibrium, thermodynamic, and dynamic studies. Chemical Engineering Journal, 2018, 331, 39-47.	6.6	73
340	Emerging nanocomposite biomaterials as biomedical adsorbents: an overview. Composite Interfaces, 2018, 25, 415-454.	1.3	11
341	Characteristics of Amorphophallus campanulatus Modified Starch as Novel Adsorbent for Nickel and Cadmium Removal from Aqueous Solution. IOP Conference Series: Materials Science and Engineering, 2018, 358, 012021.	0.3	1
342	Cross linked Sago Starch Phosphate as a Bioadsorbent for the Heavy Metal Pb(II). IOP Conference Series: Earth and Environmental Science, 2018, 187, 012006.	0.2	3
343	Sorption: Release Processes in Soilâ€”The Basis of Phytoremediation Efficiency. , 2018, , 91-112.		9

#	Article	IF	Citations
344	Artificial Neural Network-Genetic Algorithm Prediction of Heavy Metal Removal Using a Novel Plant-Based Biosorbent Banana Floret: Kinetic, Equilibrium, Thermodynamics and Desorption Studies. , 2018, , .		2
345	Adsorption, Kinetics and Photoactivity of ZnO-Supported Fly Ash-Sepiolite Ternary Catalyst. , 0, , .		0
346	Adsorption of Zinc onto Microwave assisted carbonized Acacia nilotica bark. Materials Today: Proceedings, 2018, 5, 22694-22705.	0.9	10
347	Adsorption of Pb(II) onto KCC-1 from aqueous solution: Isotherm and kinetic study. Materials Today: Proceedings, 2018, 5, 21574-21583.	0.9	8
348	Isotherm, Kinetic, and Thermodynamic Characteristics for Adsorption of 2,5-Xylenol onto Activated Carbon. Biotechnology and Bioprocess Engineering, 2018, 23, 541-549.	1.4	4
349	Removal of radionuclide U(VI) from aqueous solution by the resistant fungus Absidia corymbifera. Journal of Radioanalytical and Nuclear Chemistry, 2018, 318, 1151-1160.	0.7	14
350	Adsorption of Pb (II) Ions onto Hydroxyapatite Nanopowders in Aqueous Solutions. Materials, 2018, 11, 2204.	1.3	42
351	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
352	Production, characterization and adsorption studies of bamboo-based biochar/montmorillonite composite for nitrate removal. Waste Management, 2018, 79, 385-394.	3.7	126
353	Adsorptive Removal of Methylene Blue Using Magnetic Biochar Derived from Agricultural Waste Biomass: Equilibrium, Isotherm, Kinetic Study. International Journal of Nanoscience, 2018, 17, 1850002.	0.4	8
354	Removal of methylene blue from aqueous solution using sediment obtained from a canal in an industrial park. Water Science and Technology, 2018, 78, 556-570.	1.2	9
355	Adsorption of cadmium, nickel and lead ions: equilibrium, kinetic and selectivity studies on modified clinoptilolites from the USA and RSA. Environmental Science and Pollution Research, 2018, 25, 30962-30978.	2.7	18
356	Pb(<scp>ii</scp>), Cu(<scp>ii</scp>) and Cd(<scp>ii</scp>) removal using a humic substance-based double network hydrogel in individual and multicomponent systems. Journal of Materials Chemistry A, 2018, 6, 20110-20120.	5.2	106
357	A Novel Pb-Resistant Bacillus subtilis Bacterium Isolate for Co-Biosorption of Hazardous Sb(III) and Pb(II): Thermodynamics and Application Strategy. International Journal of Environmental Research and Public Health, 2018, 15, 702.	1.2	30
358	Microwave assisted economic synthesis of multi walled carbon nanotubes for arsenic species removal in water: Batch and column operations. Journal of Molecular Liquids, 2018, 271, 677-685.	2.3	147
359	Removal of Acetic Acid from Dimethyl Terephthalate Manufacturing Wastewater with Ion Exchange. Clean - Soil, Air, Water, 2018, 46, 1700436.	0.7	2
360	Synthesis of highly efficient porous inorganic polymer microspheres for the adsorptive removal of Pb2+from wastewater. Journal of Cleaner Production, 2018, 193, 351-362.	4.6	88
361	Application of zeolite in removing salinity/sodicity from wastewater: A review of mechanisms, challenges and opportunities. Journal of Cleaner Production, 2018, 197, 1435-1446.	4.6	129

#	Article	IF	Citations
362	Metal-Organic Framework-101 (MIL-101): Synthesis, Kinetics, Thermodynamics, and Equilibrium Isotherms of Remazol Deep Black RGB Adsorption. Journal of Chemistry, 2018, 2018, 1-14.	0.9	6
363	Effect of inorganic salt ions on the adsorption of quinoline using coal powder. Water Science and Technology, 2018, 78, 496-505.	1.2	15
364	Removal of Crystal Violet by Using Reduced-Graphene-Oxide-Supported Bimetallic Fe/Ni Nanoparticles (rGO/Fe/Ni): Application of Artificial Intelligence Modeling for the Optimization Process. Materials, 2018, 11, 865.	1.3	31
365	High adsorption performance of Î²-cyclodextrin-functionalized multi-walled carbon nanotubes for the removal of organic dyes from water and industrial wastewater. Journal of Environmental Chemical Engineering, 2018, 6, 4634-4643.	3.3	83
366	Development of immobilized microcrystalline cellulose as an effective adsorbent for methylene blue dye removal. South African Journal of Chemical Engineering, 2018, 26, 11-24.	1.2	51
367	Mgâ€“Fe layered double hydroxide assembled on biochar derived from rice husk ash: facile synthesis and application in efficient removal of heavy metals. Environmental Science and Pollution Research, 2018, 25, 24293-24304.	2.7	43
368	A critical review on recent advancements of the removal of reactive dyes from dyehouse effluent by ion-exchange adsorbents. Chemosphere, 2018, 209, 201-219.	4.2	515
369	Removal of Zn2+, Pb2+, Cd2+, and Cu2+ from aqueous solution by synthetic clinoptilolite. Microporous and Mesoporous Materials, 2019, 273, 203-211.	2.2	103
370	A Unique Interactive Nanostructure Knitting based Passive Sampler Adsorbent for Monitoring of Hg2+ in Water. Sensors, 2019, 19, 3432.	2.1	9
371	Defluoridation of water through the transformation of octacalcium phosphate into fluorapatite. Heliyon, 2019, 5, e02288.	1.4	5
372	Lithium recovery from desalination brines using specific ion-exchange resins. Desalination, 2019, 468, 114073.	4.0	64
373	Low-price MnO2 loaded sepiolite for Cd2+ capture. Adsorption, 2019, 25, 1271-1283.	1.4	24
374	Covalent triazine framework-decorated phenyl-functionalised SBA-15: its synthesis and application as a novel nanoporous adsorbent. New Journal of Chemistry, 2019, 43, 13058-13067.	1.4	41
375	Microporous silica-supported cation exchanger with superior dimensional stability and outstanding exchange kinetics, and its application in element removal and enrichment. Reactive and Functional Polymers, 2019, 142, 87-95.	2.0	9
376	Sustainable Treatment for Sulfate and Lead Removal from Battery Wastewater. Sustainability, 2019, 11, 3497.	1.6	15
377	Augmenting the adsorption parameters of palladium onto pyromellitic acid-functionalized nanosilicas from aqueous solution. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2019, 578, 123581.	2.3	8
378	Preparation and modification of forcespun polypropylene nanofibers for adsorption of uranium (VI) from simulated seawater. Ecotoxicology and Environmental Safety, 2019, 186, 109746.	2.9	32
379	Removal of Ammonia from the Municipal Waste Treatment Effluents using Natural Minerals. Molecules, 2019, 24, 3633.	1.7	53

#	Article	IF	Citations
380	Comparative study for adsorption of methylene blue dye on biochar derived from orange peel and banana biomass in aqueous solutions. Environmental Monitoring and Assessment, 2019, 191, 735.	1.3	46
381	Facile synthesis of graphene oxide/palygorskite composites for Pb(II) rapid removal from aqueous solutions. Water Science and Technology, 2019, 80, 989-997.	1.2	6
382	Adsorption of Ni2+ and Cd2+ from Water by Calcium Alginate/Spent Coffee Grounds Composite Beads. Applied Sciences (Switzerland), 2019, 9, 4531.	1.3	35
383	Non-linear equilibrium and kinetic study of the adsorption of 2,4-dinitrophenol from aqueous solution using activated carbon derived from a olives stones and cotton cake. African Journal of Environmental Science and Technology, 2019, 13, 365-380.	0.2	13
384	Influence of Alginate Encapsulation on Point of Zero Charge (pHpzc) and Thermodynamic Properties of the Natural and Fe(III) - Modified Zeolite. Procedia Manufacturing, 2019, 32, 286-293.	1.9	56
385	Comparative study of sponge gourd derived biochar and activated carbon for bio-sorption and desorption of Pb(II) ions. Materials Today: Proceedings, 2019, 18, 887-900.	0.9	6
386	Chemical modification of four lignocellulosic materials to improve the Pb2+ and Ni2+ ions adsorption in aqueous solutions. Journal of Environmental Chemical Engineering, 2019, 7, 103363.	3.3	14
387	A clean approach for functionalized carbon nanotubes by deep eutectic solvents and their performance in the adsorption of methyl orange from aqueous solution. Journal of Environmental Management, 2019, 235, 521-534.	3.8	58
388	Removal of hazardous basic dyes from aqueous solution by adsorption onto kaolinite and acid-treated kaolinite: kinetics, isotherm and mechanistic study. SN Applied Sciences, 2019, 1, 1.	1.5	71
389	Surface water pollution by pharmaceuticals and an alternative of removal by low-cost adsorbents: A review. Chemosphere, 2019, 222, 766-780.	4.2	355
390	Adsorption of Cr (III) using an Iranian natural nanoclay: applicable to tannery wastewater: equilibrium, kinetic, and thermodynamic. Environmental Earth Sciences, 2019, 78, 1.	1.3	27
391	Removal of cyanide from steel plant effluent using coke breeze, a waste product of steel industry. Journal of Water Process Engineering, 2019, 28, 135-143.	2.6	32
392	Highly efficient removal of Pb²⁺ by a sandwich structure of metalâ€“organic framework/GO composite with enhanced stability. New Journal of Chemistry, 2019, 43, 1032-1037.	1.4	55
393	Preparation of new magnetic zeolite nanocomposites for removal of strontium from polluted waters. Journal of Molecular Liquids, 2019, 288, 111026.	2.3	54
394	High- performance liquid chromatography method applied to investigate mechanism, kinetics, isotherm, and thermodynamics of bile acid adsorption onto bile acid sequestrants. Drug Development and Industrial Pharmacy, 2019, 45, 1437-1443.	0.9	3
395	Post-modification of UiO-66-NH2 by resorcyl aldehyde for selective removal of Pb(II) in aqueous media. Journal of Cleaner Production, 2019, 229, 470-479.	4.6	99
396	Removal of methylene blue (aq) using untreated and acidâ€treated eucalyptus leaves and GAâ€ANN modelling. Canadian Journal of Chemical Engineering, 2019, 97, 2883-2898.	0.9	38
397	The removal of pentavalent arsenic by graphite intercalation compound functionalized carbon foam from contaminated water. Journal of Hazardous Materials, 2019, 377, 274-283.	6.5	31

#	Article	IF	Citations
398	Optimization of nitrogen removal from an anaerobic digester effluent by electrocoagulation process. Journal of Environmental Chemical Engineering, 2019, 7, 103195.	3.3	34
399	Improvement of the adsorption properties of an activated carbon coated by titanium dioxide for the removal of emerging contaminants. Journal of Water Process Engineering, 2019, 31, 100876.	2.6	50
400	Comparative Sorption of Nickel from an Aqueous Solution Using Biochar Derived from Banana and Orange Peel Using a Batch System: Kinetic and Isotherm Models. Arabian Journal for Science and Engineering, 2019, 44, 10105-10116.	1.7	6
401	Oxygen Adsorption Kinetics Study used Pressure Swing Adsorber (PSA) for Nitrogen Production. Journal of Physics: Conference Series, 2019, 1167, 012049.	0.3	1
402	Removal of nickel (II) from aqueous solution by biosorption on A. barbadensis Miller waste leaves powder. Applied Water Science, 2019, 9, 1.	2.8	45
403	Bone char as a green sorbent for removing health threatening fluoride from drinking water. Environment International, 2019, 127, 704-719.	4.8	97
404	Effective removal of crystal violet and methylene blue dyes from water by surface functionalized zirconium silicate nanocomposite. Journal of Environmental Chemical Engineering, 2019, 7, 103009.	3.3	42
405	Assessment of nano-sized stannic silicomolybdate for the removal of 137Cs, 90Sr, and 141Ce radionuclides from radioactive waste solutions. Applied Radiation and Isotopes, 2019, 148, 91-101.	0.7	27
406	Reduction of iron (II) ions in synthetic acidic wastewater containing ferro sulphate using calcium carbide residu. AIP Conference Proceedings, 2019, , .	0.3	0
407	Co-precipitation strategy for engineering pH-tolerant and durable ZnO@MgO nanospheres for efficient, room-temperature, chemisorptive removal of Pb(II) from water. Journal of Environmental Chemical Engineering, 2019, 7, 103019.	3.3	16
408	Selective recovery of Ag(I) from industrial wastewater using zeolite imidazolate framework-8: performance and mechanisms. Environmental Science and Pollution Research, 2019, 26, 14214-14225.	2.7	11
409	Experimental, kinetic, and thermodynamic studies of adsorptive desulfurization and denitrogenation of model fuels using novel mesoporous materials. Journal of Hazardous Materials, 2019, 374, 129-139.	6.5	59
410	Modelling of Adsorption Kinetic Processesâ€"Errors, Theory and Application. , 0, , .		68
411	The first in vivo application of synthetic polymers based on methacrylic acid as an aflatoxin sorbent in an animal model. Mycotoxin Research, 2019, 35, 293-307.	1.3	5
412	Two novel extraction chromatographic resins containing benzene-centered tripodal diglycolamide ligands: Actinide uptake, kinetic modeling and isotherm studies. Journal of Chromatography A, 2019, 1598, 58-66.	1.8	3
413	Ultra-thin iron phosphate nanosheets for high efficient U(VI) adsorption. Journal of Hazardous Materials, 2019, 371, 83-93.	6.5	98
414	Structural investigation of raw clinoptilolite over the Pb2+ adsorption process from phosphoric acid. Journal of Molecular Structure, 2019, 1184, 49-58.	1.8	17
415	Removal of Copper from Water by Adsorption with Calcium-Alginate/Spent-Coffee-Grounds Composite Beads. Materials, 2019, 12, 395.	1.3	36

#	Article	IF	Citations
416	Kinetics, equilibrium and isotherms of Pb2+ adsorption from aqueous solutions on carbon nanotubes functionalized with 3-amino-5a,10a-dihydroxybenzo[b] indeno [2,l-d]furan-10-one. New Carbon Materials, 2019, 34, 512-523.	2.9	24
417	A Review on Date Palm Tree: Properties, Characterization and Its Potential Applications. Journal of Renewable Materials, 2019, 7, 1055-1075.	1.1	40
418	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
419	Removal of Copper(II) and Zinc(II) Ions in Water onÂa Newly Synthesized Polyhydroquinone/Graphene Nanocomposite Material: Kinetics, Thermodynamics and Mechanism. ChemistrySelect, 2019, 4, 12708-12718.	0.7	88
420	Mathematical Modeling of Batch Adsorption Kinetics of Lead Ions on Modified Natural Zeolite from Aqueous Media. Theoretical Foundations of Chemical Engineering, 2019, 53, 1057-1066.	0.2	10
421	Removal of Pb(II) from Aqueous Solutions by Periclase/Calcite Nanocomposites. Water, Air, and Soil Pollution, 2019, 230, 1.	1.1	11
422	Preparation of highly selective magnetic cobalt ion-imprinted polymer based on functionalized SBA-15 for removal Co2+ from aqueous solutions. Journal of Environmental Health Science & Engineering, 2019, 17, 1213-1225.	1.4	14
423	Core-Shell Bimagnetic Nanoadsorbents for Hexavalent Chromium Removal from Aqueous Solutions. Journal of Hazardous Materials, 2019, 362, 82-91.	6.5	71
424	Investigation on effects of ion exchangers structure and functional groups on the Re(VII) ions adsorption behavior from aqueous solution. Geosystem Engineering, 2019, 22, 119-128.	0.7	1
425	Removal of butachlor from aqueous solution using cantaloupe seed shell powder: kinetic, equilibrium and thermodynamic studies. International Journal of Environmental Science and Technology, 2019, 16, 6029-6042.	1.8	19
426	Copper(II)â€“Humic Acid Adsorption Process Using Microporous-Zeolite Na-X. Journal of Inorganic and Organometallic Polymers and Materials, 2019, 29, 1-16.	1.9	10
427	Evaluation of single and tri-element adsorption of Pb2+, Ni2+ and Zn2+ ions in aqueous solution on modified water hyacinth (Eichhornia crassipes) fibers. Journal of Environmental Chemical Engineering, 2019, 7, 102885.	3.3	29
428	Shell-in-shell monodispersed triamine-functionalized SiO2 hollow microspheres with micro-mesostructured shells for highly efficient removal of heavy metals from aqueous solutions. Journal of Environmental Chemical Engineering, 2019, 7, 102832.	3.3	43
429	Fate of adsorbed Pb(II) on graphene oxide under variable redox potential controlled by electrochemical method. Journal of Hazardous Materials, 2019, 367, 152-159.	6.5	25
430	Equilibrium and kinetic modelling of adsorption of Rhodamine B on MoS2. Materials Research Bulletin, 2019, 111, 238-244.	2.7	44
431	Facile synthesis and characterization of multi walled carbon nanotubes for fast and effective removal of 4â€‘tertâ€‘octylphenol endocrine disruptor in water. Journal of Molecular Liquids, 2019, 275, 41-48.	2.3	64
432	A novel environmental-friendly nanobiocomposite synthesis by EDTA and chitosan functionalized magnetic graphene oxide for high removal of Rhodamine B: Adsorption mechanism and separation property. Chemosphere, 2019, 218, 715-725.	4.2	65
433	Adsorption of diclofenac sodium onto commercial organoclay: Kinetic, equilibrium and thermodynamic study. Powder Technology, 2019, 345, 140-150.	2.1	87

#	Article	IF	Citations
434	Modeling adsorption mechanism of paraquat onto Ayous (Triplochiton scleroxylon) wood sawdust. Applied Water Science, 2019, 9, 1.	2.8	142
435	Studies on batch adsorptive removal of malachite green from synthetic wastewater using acid treated coffee husk: Equilibrium, kinetics and thermodynamic studies. Microchemical Journal, 2019, 146, 192-201.	2.3	92
436	Application of the biochar derived from orange peel for effective biosorption of copper and cadmium in batch studies: isotherm models and kinetic studies. Arabian Journal of Geosciences, 2019, 12, 1.	0.6	16
437	Biosorption of dysprosium (III) using raw and surface-modified bark powder of Mangifera indica: isotherm, kinetic and thermodynamic studies. Environmental Science and Pollution Research, 2019, 26, 6545-6556.	2.7	29
438	Amino-functionalized biomass-derived porous carbons with enhanced aqueous adsorption affinity and sensitivity of sulfonamide antibiotics. Bioresource Technology, 2019, 277, 128-135.	4.8	87
439	Modeling of fenuron pesticide adsorption on CNTs for mechanistic insight and removal in water. Environmental Research, 2019, 170, 389-397.	3.7	286
440	Rice and wheat straw ashes: Characterization and modeling of pretilachlor sorption kinetics and adsorption isotherm. Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes, 2019, 54, 303-312.	0.7	15
441	Synthesis, characterization, and application of date palm leaf waste-derived biochar to remove cadmium and hazardous cationic dyes from synthetic wastewater. Arabian Journal of Geosciences, 2019, 12, 1.	0.6	17
442	Superior adsorption performance of graphitic carbon nitride nanosheets for both cationic and anionic heavy metals from wastewater. Chinese Journal of Chemical Engineering, 2019, 27, 305-313.	1.7	60
443	Adsorptive removal of Pb (II) by means of hydroxyapatite/chitosan nanocomposite hybrid nanoadsorbent: ANFIS modeling and experimental study. Journal of Environmental Management, 2019, 232, 342-353.	3.8	56
444	Isotherm, kinetic and thermodynamic studies on the adsorption of paclitaxel onto Sylopute. Journal of Chemical Thermodynamics, 2019, 130, 104-113.	1.0	82
445	Organic contaminants removal from industrial wastewater by CTAB treated synthetic zeolite Y. Journal of Environmental Management, 2019, 233, 785-792.	3.8	67
446	Adsorption of single and mixed haloacetonitriles on silica-based porous materials: Mechanisms and effects of porous structures. Journal of Environmental Sciences, 2019, 79, 346-360.	3.2	9
447	Removal of Zinc Ions from Acid Aqueous Solutions and Acid Mine Drainage Using Zeolite-Bearing Tuff. Mine Water and the Environment, 2019, 38, 187-196.	0.9	5
448	Removal of tiemonium methylsulfate, from aqueous solutions using activated carbon prepared from date stones. Particulate Science and Technology, 2019, 37, 190-199.	1.1	2
449	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
450	The effect of pre-activation and milling on improving natural clinoptilolite for ion exchange of cesium and strontium. Journal of Environmental Chemical Engineering, 2020, 8, 102991.	3.3	28
451	Preparation of high purity squalene from soybean oil deodorizer distillate with the combination of macroporous resin and thin-film evaporation coupling distillation. Separation Science and Technology, 2020, 55, 1611-1622.	1.3	1

#	Article	IF	Citations
452	Imidazolium-functionalized stable gel materials for efficient adsorption of phenols from aqueous solutions. Environmental Technology and Innovation, 2020, 17, 100511.	3.0	11
453	A comprehensive study on the kinetics and thermodynamic aspects of batch and column removal of Pb(II) by the clinoptiloliteâ€“glycine adsorbent. Materials Chemistry and Physics, 2020, 240, 122142.	2.0	70
454	Adsorption of tetracycline in aqueous solution by biochar derived from waste Auricularia auricula dregs. Chemosphere, 2020, 238, 124432.	4.2	129
455	Soybean hulls as a lowâ€cost biosorbent for removal of methylene blue contaminant. Environmental Progress and Sustainable Energy, 2020, 39, e13328.	1.3	53
456	Mono-/competitive adsorption of cadmium(II) and lead(II) using straw/bentonite-g-poly(acrylic) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 58	1.7	2
457	Adsorptive removal of fluoride using polymer-modified ceria nanoparticles: determination of equilibrium, kinetic and thermodynamic parameters. Separation Science and Technology, 2020, 55, 2933-2947.	1.3	10
458	An effective approach for the adsorptive removal of lead from an aqueous medium using nano Prosopis Cineraria leaf ash (NPCLA): characterization, operational effects, and recyclability. Modeling Earth Systems and Environment, 2020, 6, 139-149.	1.9	4
459	Adsorption mechanisms of crude oil onto polytetrafluoroethylene membrane: Kinetics and isotherm, and strategies for adsorption fouling control. Separation and Purification Technology, 2020, 235, 116212.	3.9	27
460	Water reuse: Brackish water desalination using Prosopis juliflora. Environmental Technology and Innovation, 2020, 17, 100614.	3.0	36
461	Studies on the Complexation of 3d Transition Metal Ions with NR/PEO Block Copolymer in Aqueous Medium. Polymer Engineering and Science, 2020, 60, 661-672.	1.5	0
462	Sequestered capture and desorption of hexavalent chromium from solution and textile wastewater onto low cost Heinsia crinita seed coat biomass. Applied Water Science, 2020, 10, 1.	2.8	52
463	Assessment of zeolite and compost-zeolite mixture as permeable reactive materials for the removal of lead from a model acidic groundwater. Journal of Contaminant Hydrology, 2020, 229, 103597.	1.6	15
464	Periodic mesoporous organosilicas containing naphthalenediimides within the pore walls for asphaltene adsorption. Microporous and Mesoporous Materials, 2020, 294, 109909.	2.2	10
465	Ultra-high adsorption of tetracycline antibiotics on garlic skin-derived porous biomass carbon with high surface area. New Journal of Chemistry, 2020, 44, 1097-1106.	1.4	53
466	Highly efficient separation of thorium from uranium in nitric acid feeds by solid phase extraction using Aliquat 336. Separation and Purification Technology, 2020, 237, 116318.	3.9	19
467	Sustainable production of nanoporous carbons: Kinetics and equilibrium studies in the removal of atrazine. Journal of Colloid and Interface Science, 2020, 562, 252-267.	5.0	20
468	Current advancement and future prospect of biosorbents for bioremediation. Science of the Total Environment, 2020, 709, 135895.	3.9	165
469	Fabrication of sustainable manganese ferrite modified biochar from vinasse for enhanced adsorption of fluoroquinolone antibiotics: Effects and mechanisms. Science of the Total Environment, 2020, 709, 136079.	3.9	187

#	Article	IF	Citations
470	Experimental and modeling investigation of adsorption equilibrium of CH4, CO2, and N2 on activated carbon and prediction of multi-component adsorption equilibrium. Fluid Phase Equilibria, 2020, 508, 112433.	1.4	38
471	Hydrothermal carbonization synthesis of cassava slag biochar with excellent adsorption performance for Rhodamine B. Journal of Cleaner Production, 2020, 251, 119717.	4.6	128
472	Separation of Glycyrrhizic Acid and Its Derivants from Hydrolyzation in Subcritical Water by Macroporous Resin. Molecules, 2020, 25, 4305.	1.7	2
473	High performance graphene-based PVF foam for lead removal from water. Journal of Materials Research and Technology, 2020, 9, 11861-11875.	2.6	20
474	Effect of temperature and duration of pyrolysis on spent tea leaves biochar: physiochemical properties and Cd(II) adsorption capacity. Water Science and Technology, 2020, 81, 2533-2544.	1.2	10
475	Assessment of Cd(II) adsorption capability and mechanism from aqueous phase using virgin and calcined lignin. Heliyon, 2020, 6, e04298.	1.4	10
476	BiosorciÃ³n de plomo (II) en soluciÃ³n acuosa con biomasa de los cladodios de la tuna (Opuntia ficus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	0.2	4
477	Recovery of platinum (IV) from aqueous solutions using 3-aminopropyl(diethoxy)methylsilane functionalized bentonite. Journal of Dispersion Science and Technology, 2022, 43, 1016-1027.	1.3	2
478	Adsorption of Divalent Copper Ions from Synthetic Wastewater Using Layered Double Hydroxides (NiZnFe) and Its Composites with Banana Biochar and Carbon Nanotubes. Water, Air, and Soil Pollution, 2020, 231, 1.	1.1	12
479	Adsorption equilibrium isotherms, kinetics and thermodynamics. , 2020, , 101-118.		19
480	A comparison of nano-scale pore attributes of Barakar Formation gas shales from Raniganj and Wardha Basin, India using low pressure sorption and FEG-SEM analysis. Journal of Natural Gas Science and Engineering, 2020, 81, 103453.	2.1	26
481	Characterization and ultrasound-assisted activation of Indonesian natural zeolite from Cikalong West Java Province. IOP Conference Series: Materials Science and Engineering, 2020, 771, 012043.	0.3	0
482	Chitosan/MCM-48 nanocomposite as a potential adsorbent for removing phenol from aqueous solution. RSC Advances, 2020, 10, 23417-23430.	1.7	27
483	LDH of NiZnFe and its composites with carbon nanotubes and data-palm biochar with efficient adsorption capacity for RB5 dye from aqueous solutions: Isotherm, kinetic, and thermodynamics studies. Current Applied Physics, 2022, 40, 90-100.	1.1	21
484	Electro-assisted adsorption of Cs(I) and Co(II) from aqueous solution by capacitive deionization with activated carbon cloth/graphene oxide composite electrode. Science of the Total Environment, 2020, 749, 141524.	3.9	44
485	A â€œclassicâ€•material for capture and detoxification of emergent contaminants for water purification: The case of tetracycline. Environmental Technology and Innovation, 2020, 19, 100812.	3.0	20
486	Response Surface Optimization of Graphene Oxide-Reinforced Dual-Crosslinked Alginate/Poly(Vinyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.3	4
487	Efficient Removal of Ni(II) from Aqueous Solution by Date Seeds Powder Biosorbent: Adsorption Kinetics, Isotherm and Thermodynamics. Processes, 2020, 8, 1001.	1.3	12

#	Article	IF	Citations
488	Solar Energy Conversion in Communities. Springer Proceedings in Energy, 2020, , .	0.2	2
489	Characterization of Fe(III) Adsorption onto Zeolite and Bentonite. International Journal of Environmental Research and Public Health, 2020, 17, 5718.	1.2	14
490	Potential Applications in Relation to the Various Physicochemical Characteristics of Al-Hasa Oasis Clays in Saudi Arabia. Applied Sciences (Switzerland), 2020, 10, 9016.	1.3	3
491	Treatment of Water Contaminated with Reactive Black-5 Dye by Carbon Nanotubes. Materials, 2020, 13, 5508.	1.3	25
492	Adsorption of Ag (I) from Aqueous Solutions Using Regenerated Silk Fibroin Adsorbent Beads. Journal of Natural Fibers, 2022, 19, 3365-3377.	1.7	3
493	A highly efficient preconcentration route for rapid and sensitive detection of endotoxin based on an electrochemical biosensor. Analyst, The, 2020, 145, 4204-4211.	1.7	13
494	Phosphate removal from synthetic and treated sewage effluent by carbide derive carbon. Journal of Water Process Engineering, 2020, 36, 101323.	2.6	41
495	Kinetics of Aqueous Cu(II) Biosorption onto Thevetia peruviana Leaf Powder. ACS Omega, 2020, 5, 13489-13502.	1.6	29
496	Synthesis of an efficient hydroxyapatiteâ€“chitosanâ€“montmorillonite thin film for the adsorption of anionic and cationic dyes: adsorption isotherm, kinetic and thermodynamic study. SN Applied Sciences, 2020, 2, 1.	1.5	27
497	Extractive production of microbial oil using hydrophobic adsorbents: A comparative study. Engineering Reports, 2020, 2, e12146.	0.9	2
498	Effective sequestration of Cr (VI) from wastewater using nanocomposite of ZnO with cotton stalks biochar: modeling, kinetics, and reusability. Environmental Science and Pollution Research, 2020, 27, 33821-33834.	2.7	27
499	Optimization of polyvinylamine-modified nanocellulose for chlorpyrifos adsorption by central composite design. Carbohydrate Polymers, 2020, 245, 116542.	5.1	61
500	N(4)-Morpholinothiosemicarbazide-Modified Cellulose: Synthesis, Structure, Kinetics, Thermodynamics, and Ni(II) Removal Studies. ACS Omega, 2020, 5, 15229-15239.	1.6	2
501	Recovery of Neodymium (III) from Aqueous Phase by Chitosan-Manganese-Ferrite Magnetic Beads. Nanomaterials, 2020, 10, 1204.	1.9	16
502	Application of mesoporous nanofibers as sorbent for removal of veterinary drugs from water systems. Science of the Total Environment, 2020, 738, 140282.	3.9	15
503	Biosorption of cobalt and its effect on growth and metabolites of Synechocystis pevalekii and Scenedesmus bernardii: Isothermal analysis. Environmental Technology and Innovation, 2020, 19, 100953.	3.0	27
504	Synthesis of zinc-aluminum mixed oxide/polyvinyl alcohol (ZnAl mixed oxide/PVA) and application in Pb(II) removal from aqueous solution. Journal of Dispersion Science and Technology, 0, , 1-12.	1.3	3
505	Adsorptive Desulfurization of Organic Sulfur from Model Fuels by Active Carbon Supported Mn (II): Equilibrium, Kinetics, and Thermodynamics. International Journal of Chemical Engineering, 2020, 2020, 1-12.	1.4	11

#	Article	IF	Citations
506	Enhanced sorption capacity of the metal-dye system from water effluents by using polish activated industrial waste. Water Science and Technology, 2020, 80, 2284-2298.	1.2	2
507	Advanced eco-friendly and adsorptive membranes based on Sargassum dentifolium for heavy metals removal, recovery and reuse. Journal of Water Process Engineering, 2020, 37, 101424.	2.6	19
508	pH tunable anionic and cationic heavy metal reduction coupled adsorption by thiol cross-linked composite: Physicochemical interpretations and fixed-bed column mathematical model study. Chemical Engineering Journal, 2020, 401, 126041.	6.6	39
509	High-performance of activated biocarbon based on agricultural biomass waste applied for 2,4-D herbicide removing from water: adsorption, kinetic and thermodynamic assessments. Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes, 2020, 55, 767-782.	0.7	17
510	Efficient Removal of Cationic and Anionic Dyes from Aqueous Solutions using Regenerated Silk Fibroin Beads. Asian Journal of Chemistry, 2020, 32, 1623-1629.	0.1	1
511	Cadmium adsorption behavior of porous and reduced graphene oxide and its potential for promoting cadmium migration during soil electrokinetic remediation. Chemosphere, 2020, 259, 127441.	4.2	24
512	Silica-supported carboxylated cellulose nanofibers for effective lysozyme adsorption: Effect of macropore size. Advanced Powder Technology, 2020, 31, 2932-2941.	2.0	17
513	Synthesis and application of magnetized nanoparticles to remove lead from drinking water: Taguchi design of experiment. Journal of Water Sanitation and Hygiene for Development, 2020, 10, 56-65.	0.7	5
514	Quartz crystal microbalance-based method to study adsorption of endocrine disruptor compounds on zeolite. Environmental Technology (United Kingdom), 2021, 42, 3025-3035.	1.2	3
515	Carbon nanotube supported sludge biochar as an efficient adsorbent for low concentrations of sulfamethoxazole removal. Science of the Total Environment, 2020, 718, 137299.	3.9	77
516	In Situ Synthesis of Defect-Engineered MOFs as a Photoregenerable Catalytic Adsorbent: Understanding the Effect of LML, Adsorption Behavior, and Photoreaction Process. ACS Applied Materials & Interfaces, 2020, 12, 12706-12716.	4.0	51
517	Guidelines for the use and interpretation of adsorption isotherm models: A review. Journal of Hazardous Materials, 2020, 393, 122383.	6.5	1,455
518	Superior absorption capacity of tremella like ferrocene based metal-organic framework in removal of organic dye from water. Journal of Hazardous Materials, 2020, 392, 122274.	6.5	50
519	Scavanging nitrophenol from aquatic effluents with triethyl amine catalyzed ambient pressure dried carbon aerogel. Journal of Environmental Chemical Engineering, 2020, 8, 103670.	3.3	3
520	Microwave-assisted adsorption of Cr(VI), Cd(II) and Pb(II) in presence of magnetic graphene oxide-covalently functionalized-tryptophan nanocomposite. Journal of Alloys and Compounds, 2020, 823, 153855.	2.8	43
521	Amidoxime Modified Polymers of Intrinsic Microporosity (PIM-1); A Versatile Adsorbent for Efficient Removal of Charged Dyes; Equilibrium, Kinetic and Thermodynamic Studies. Journal of Polymers and the Environment, 2020, 28, 995-1009.	2.4	21
522	A thorough understanding of the adsorption of Ni (II), Cd (II) and Zn (II) on goethite using experiments and molecular dynamics simulation. Separation and Purification Technology, 2020, 240, 116649.	3.9	36
523	Zeolites in Phenol Removal in the Presence of Cu(II) Ionsâ€"Comparison of Sorption Properties after Chitosan Modification. Materials, 2020, 13, 643.	1.3	26

#	Article	IF	Citations
524	Highly efficient removal of Cr(VI) from water based on graphene oxide incorporated flower-like MoS2 nanocomposite prepared in situ hydrothermal synthesis. Environmental Science and Pollution Research, 2020, 27, 13882-13894.	2.7	23
525	Multi-modification of Na-Y zeolite with ZnO nanoparticles, amine, and mercapto functional groups for single and simultaneous heavy metal adsorption from water system. Research on Chemical Intermediates, 2020, 46, 3569-3591.	1.3	8
526	Removal of malachite green by polyacrylamide-g-chitosan Î³-Fe2O3 nanocomposite-an application of central composite design. Groundwater for Sustainable Development, 2020, 11, 100378.	2.3	53
527	Selective adsorption of organic pigments on inorganically modified mesoporous biochar and its mechanism based on molecular structure. Journal of Colloid and Interface Science, 2020, 573, 21-30.	5.0	50
528	Fibrous Materials Based on Polymeric Salicyl Active Esters as Efficient Adsorbents for Selective Removal of Anionic Dye. ACS Applied Materials & Interfaces, 2020, 12, 21100-21113.	4.0	30
529	Effective Dyeing of Cotton Fibers Using Cynomorium Coccineum L. Peel Extracts: Study of the Influential Factors Using Surface Response Methodology. Journal of Natural Fibers, 2021, 18, 21-33.	1.7	12
530	UiO series of metal-organic frameworks composites as advanced sorbents for the removal of heavy metal ions: Synthesis, applications and adsorption mechanism. Ecotoxicology and Environmental Safety, 2021, 208, 111577.	2.9	119
531	Multifunctional magnetic chitosan-graphene oxide-ionic liquid ternary nanohybrid: An efficient adsorbent of alkaloids. Carbohydrate Polymers, 2021, 255, 117338.	5.1	24
532	Removal of methylene blue from aqueous solution using Lathyrus sativus husk: Adsorption study, MPR and ANN modelling. Chemical Engineering Research and Design, 2021, 149, 345-361.	2.7	68
533	Grafted TEMPO-oxidized cellulose nanofiber embedded with modified magnetite for effective adsorption of lead ions. International Journal of Biological Macromolecules, 2021, 167, 1091-1101.	3.6	36
534	High affinity of 3D spongin scaffold towards Hg(II) in real waters. Journal of Hazardous Materials, 2021, 407, 124807.	6.5	7
535	Super-fast removal of cobalt metal ions in water using inexpensive mesoporous carbon obtained from industrial waste material. Environmental Technology and Innovation, 2021, 21, 101257.	3.0	19
536	New hydrothermal charcoal TiO2 composite for sustainable treatment of wastewater with dyes and cadmium cations load. Materials Chemistry and Physics, 2021, 258, 123927.	2.0	9
537	Sorption, mechanism, and behavior of sulfate on various adsorbents: A critical review. Chemosphere, 2021, 263, 128064.	4.2	39
538	Spectroscopic and Modeling Investigation of Sorption of Pb(II) to ZSM-5 Zeolites. ACS ES&T Water, 2021, 1, 108-116.	2.3	7
539	Biospecific separation of holmium(III) using raw and chemically treated bark powder of Mangifera indica: kinetics, isotherm and thermodynamic studies. Environmental Technology (United) Tj ETQq1 1 0.784314 rgBT /Overlock 1	2.2	
540	Reusable cysteine-ferrite-based magnetic nanopowders for removal of lead ions from water. Materials Research, 2021, 24, .	0.6	1
541	Role of zeolite adsorbent in water treatment. , 2021, , 417-481.		17

#	Article	IF	Citations
542	Adsorption of Cadmium onto Sand-Attapulgite Cutoff Wall Backfill Media. Water, Air, and Soil Pollution, 2021, 232, 1.	1.1	3
543	Rapid adsorption of arsenate from water on a novel hybrid of zirconia oxide anchored rGO functionalised carbon foam. Colloids and Interface Science Communications, 2021, 40, 100350.	2.0	5
544	Ultrasonic Assisted Synthesis of Bimetal Composite Strontium Oxide/Iron(III) Oxide for the Adsorption Isotherm Analysis of CO2 Capture. Lecture Notes in Mechanical Engineering, 2021, , 175-195.	0.3	4
545	Preparation of a double-network hydrogel based on wastepaper and its application in the treatment of wastewater containing copper(<scp>ii</scp>) and methylene blue. RSC Advances, 2021, 11, 18131-18143.	1.7	17
546	Fundamentals of adsorption technology. Interface Science and Technology, 2021, , 1-70.	1.6	49
547	Biosorption. Interface Science and Technology, 2021, , 587-628.	1.6	12
548	Highly efficient adsorptive membrane for heavy metal removal based on Ulva fasciata biomass. Biomass Conversion and Biorefinery, 2023, 13, 1691-1706.	2.9	11
549	Physiochemical aspects for the adsorption behavior of sodium carboxymethyl cellulose onto mesoporous granular fine quartz surface from its aqueous solutions. Separation Science and Technology, 2021, 56, 3033-3053.	1.3	0
550	Performance of MnO2 nanoparticles-coated cationic CTAB for detoxification and decolorization of sulfonated remazol red and reactive black 5 dyes from water. International Journal of Environmental Science and Technology, 2022, 19, 141-158.	1.8	11
551	Synthesis of Nano-Magnetite from Industrial Mill Chips for the Application of Boron Removal: Characterization and Adsorption Efficacy. International Journal of Environmental Research and Public Health, 2021, 18, 1400.	1.2	11
552	Ipomoea carnea: a novel biosorbent for the removal of methylene blue (MB) from aqueous dye solution: kinetic, equilibrium and statistical approach. International Journal of Phytoremediation, 2021, 23, 982-1000.	1.7	17
553	Searching for optimum adsorption curve for metal sorption on soils: comparison of various isotherm models fitted by different error functions. SN Applied Sciences, 2021, 3, 1.	1.5	3
554	Influence of torrefaction and pyrolysis on engineered biochar and its applicability in defluoridation: Insight into adsorption mechanism, batch adsorber design and artificial neural network modelling. Journal of Analytical and Applied Pyrolysis, 2021, 154, 105015.	2.6	24
555	Nanofibrous membrane of polyacrylonitrile with efficient adsorption capacity for cadmium ions from aqueous solution: Isotherm and kinetic studies. Current Applied Physics, 2022, 40, 101-109.	1.1	7
556	Application of Znâ€“Fe layered double hydroxide and its composites with biochar and carbon nanotubes to the adsorption of lead in a batch system: kinetics and isotherms. Arabian Journal for Science and Engineering, 2022, 47, 5613-5627.	1.7	5
557	Improving the surface properties of adsorbents by surfactants and their role in the removal of toxic metals from wastewater: A review study. Chemical Engineering Research and Design, 2021, 148, 775-795.	2.7	49
558	Pure zeolite LTJ synthesis from kaolinite under hydrothermal conditions and its ammonium removal efficiency. Microporous and Mesoporous Materials, 2021, 318, 111006.	2.2	5
559	Characterization and Use of Char Produced from Pyrolysis of Post-Consumer Mixed Plastic Waste. Water (Switzerland), 2021, 13, 1188.	1.2	28

#	Article	IF	Citations
560	Equilibrium adsorption modelling of selected crude oil components following a spill on Niger Delta soil. Chemistry and Ecology, 2021, 37, 464-480.	0.6	3
561	Enhanced removal of uranium (VI) from leach liquors by aniline - polyaniline with Chinese D263B resin. International Journal of Environmental Analytical Chemistry, 0, , 1-25.	1.8	0
562	Insights into kinetics, isotherms and thermodynamics of phosphorus sorption onto nanoscale zero-valent iron. Journal of Molecular Liquids, 2021, 328, 115402.	2.3	73
563	Study on the adsorption properties of methyl orange by natural one-dimensional nano-mineral materials with different structures. Scientific Reports, 2021, 11, 10640.	1.6	69
564	Preparation of Porous Hydroxyapatite Using Cetyl Trimethyl Ammonium Bromide as Surfactant for the Removal of Lead Ions from Aquatic Solutions. Polymers, 2021, 13, 1617.	2.0	18
565	Combined Influence of Low-Grade Metakaolins and Natural Zeolite on Compressive Strength and Heavy Metal Adsorption of Geopolymers. Minerals (Basel, Switzerland), 2021, 11, 486.	0.8	7
566	Zeolite NaP1 Functionalization for the Sorption of Metal Complexes with Biodegradable N-(1,2-dicarboxyethyl)-D,L-aspartic Acid. Materials, 2021, 14, 2518.	1.3	2
567	COMPETITIVE ADSORPTION OF CR(VI), K(I) AND NH4(I) IONS ONTO NATURAL ZEOLITES AND BENTONITES. Archives for Technical Sciences, 2021, 1, .	0.1	0
568	Facile synthesis of <scp>silicaâ€polymer</scp> monoliths using nonionic triblock copolymer surfactant for efficient removal of radioactive pollutants from contaminated seawater. Journal of Applied Polymer Science, 2021, 138, 51263.	1.3	7
569	Investigation of arsenic removal from aqueous solution through selective sorption and nanofiber-based filters. Journal of Environmental Health Science & Engineering, 2021, 19, 1347-1360.	1.4	2
570	Synthesis and characterization of water stable polymeric metallo organic composite (PMOC) for the removal of arsenic and lead from brackish water. Toxin Reviews, 2022, 41, 577-587.	1.5	27
572	Adsorption of crystal violet dye using Platanus orientalis (Chinar tree) leaf powder and its biochar: equilibrium, kinetics and thermodynamics study. International Journal of Environmental Analytical Chemistry, 2023, 103, 4820-4840.	1.8	20
573	Activated biochar derived from spentAuricularia auriculasubstrate for the efficient adsorption of cationic azo dyes from single and binary adsorptive systems. Water Science and Technology, 2021, 84, 101-121.	1.2	21
575	Adsorptive performance of tetracarboxylic acid-modified magnetic silica nanocomposite for recoverable efficient removal of toxic Cd(II) from aqueous environment: Equilibrium, isotherm, and reusability studies. Journal of Molecular Liquids, 2021, 334, 116069.	2.3	17
576	Facile synthesis of zinc-based organic framework for aqueous Hg (II) removal: Adsorption performance and mechanism. Nano Materials Science, 2021, 3, 429-439.	3.9	35
577	Adsorption model identification for chromium (VI) transport in unconsolidated sediments. Journal of Hydrology, 2021, 598, 126228.	2.3	25
578	Artificial neural networks modeling for lead removal from aqueous solutions using iron oxide nanocomposites from bio-waste mass. Environmental Research, 2021, 199, 111370.	3.7	20
579	Remediation of heavy metals from contaminated river water using natural zeolite and limestone. Arabian Journal of Geosciences, 2021, 14, 1.	0.6	1

#	Article	IF	Citations
580	Modeling of CO2 Adsorption Isotherms, Kinetics and Thermodynamics Equilibrium, and the Brunauerâ"Emmettâ"Teller Analysis onto KO2 Pellets. Journal of Cluster Science, 0, , 1.	1.7	0
581	Adsorption and enrichment of simulated 137Cs in geopolymer foams. Journal of Environmental Chemical Engineering, 2021, 9, 105733.	3.3	16
582	Uranium re-adsorption on uranium mill tailings and environmental implications. Journal of Hazardous Materials, 2021, 416, 126153.	6.5	51
583	Nitric acid surface pre-modification of novel Lasia spinosa biochar for enhanced methylene blue remediation. Groundwater for Sustainable Development, 2021, 14, 100603.	2.3	19
584	Development of fast and high-efficiency sponge-gourd fibers (Luffa cylindrica)/hydroxyapatite composites for removal of lead and methylene blue. Arabian Journal of Chemistry, 2021, 14, 103281.	2.3	20
585	Adsorption and reduction of Cr(VI) by a novel nanoscale FeS/chitosan/biochar composite from aqueous solution. Journal of Environmental Chemical Engineering, 2021, 9, 105407.	3.3	43
586	Statistical analysis of adsorption isotherm models and its appropriate selection. Chemosphere, 2021, 276, 130176.	4.2	125
587	Evaluation of the aqueous Fe (II) ion sorption capacity of functionalized microcrystalline cellulose. Journal of Environmental Chemical Engineering, 2021, 9, 105703.	3.3	29
588	Adsorptive Removal of Ibuprofen from Waste Stream Using Sawdust-Based Adsorbents. International Journal of Engineering Research in Africa, 0, 55, 172-189.	0.7	0
589	Preparation of activated carbon from waste cation exchange resin and its application in wastewater treatment. Carbon Letters, 2022, 32, 461-474.	3.3	11
590	Stabilization of lead in waste water and farmland soil using modified coal fly ash. Journal of Cleaner Production, 2021, 314, 127957.	4.6	27
591	Three-dimensional-printed hierarchical reduced graphene oxide/ethylenediamine filter with super-high uranyl ions with recycling capacity and unique selectivity. Carbon, 2021, 182, 1-10.	5.4	19
592	Synthesis of super-absorbent poly(AN)-g-starch composite hydrogel and its modelling for aqueous sorption of cadmium ions. Korean Journal of Chemical Engineering, 2021, 38, 2157-2170.	1.2	15
593	Hexavalent Chromium Removal Using Ionic Liquid Coated Magnetic Nano Zero-Valent Iron Biosynthesized by Camellia sinensis Extract. International Journal of Environmental Research, 2021, 15, 1017-1036.	1.1	3
594	Tetracycline adsorption mechanisms by NaOH-modified biochar derived from waste Auricularia auricula dregs. Environmental Science and Pollution Research, 2022, 29, 9142-9152.	2.7	28
595	A mild and one-pot method to activate lignin-derived biomass by using boric acid for aqueous tetracycline antibiotics removal in water. Chemosphere, 2021, 280, 130877.	4.2	32
596	Synthesis of porous geopolymer sphere for Ni(II) removal. Ceramics International, 2021, 47, 29055-29063.	2.3	21
597	Synthesis of modified PANI/CQDs nanocomposite by dimethylgyloxime for removal of Ni (II) from aqueous solution. Surfaces and Interfaces, 2021, 26, 101392.	1.5	5

#	Article	IF	Citations
598	N-methylene phosphonic chitosan aerogels for efficient capture of Cu2+ and Pb2+ from aqueous environment. Carbohydrate Polymers, 2021, 269, 118355.	5.1	41
599	Microporous metal-organic frameworks against endocrine-disruptor bisphenol A: parametric evaluation and optimization. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 626, 127039.	2.3	17
600	Adsorption performance of the polystyrene/montmorillonite composites: Effect of plasma treatment. Chemical Engineering and Processing: Process Intensification, 2021, 167, 108505.	1.8	6
601	Bile salts adsorption on dextran-based hydrogels. International Journal of Biological Macromolecules, 2021, 190, 270-283.	3.6	7
602	Engineering of UiO-66-NH2 as selective and reusable adsorbent to enhance the removal of Au(III) from water: Kinetics, isotherm and thermodynamics. Journal of Colloid and Interface Science, 2021, 601, 272-282.	5.0	22
603	Remediation of preservative ethylparaben in water using natural sphalerite: Kinetics and mechanisms. Journal of Environmental Sciences, 2022, 113, 72-80.	3.2	5
604	Strategies to cope with the emerging waste water contaminants through adsorption regimes. , 2022, , 61-106.		7
605	Engineered macroalgal and microalgal adsorbents: Synthesis routes and adsorptive performance on hazardous water contaminants. Journal of Hazardous Materials, 2022, 423, 126921.	6.5	27
606	A Comprehensive Approach to Heavy Metal Removal by Adsorption: A Review. Engineering Materials, 2021, , 1-24.	0.3	0
608	Adsorption behavior of gardenia yellow pigment on embedded spherical cellulose adsorbent. RSC Advances, 2021, 11, 4407-4416.	1.7	9
609	Modified magnetite adsorbent (Zrâ€“La@Fe3O4) for nitrilotrismethylenephosphonate (NTMP) removal and recovery from wastewater. Journal of Cleaner Production, 2021, 278, 123960.	4.6	15
610	Graphene oxide/polyethyleneimine aerogel for high-performance mercury sorption from natural waters. Chemical Engineering Journal, 2020, 398, 125587.	6.6	38
611	Metal ion removal using waste byssus from aquaculture. Scientific Reports, 2020, 10, 22222.	1.6	5
612	Mechanism of Adsorption on Nanomaterials. RSC Detection Science, 2016, , 90-111.	0.0	10
613	Sodium adsorption by reusable zeolite adsorbents: integrated adsorption cycles for salinised groundwater treatment. Environmental Technology (United Kingdom), 2021, 42, 1-12.	1.2	7
615	Adsorption study of Congo Red Dye with ZSM-5 directly synthesized from bangka kaolin withouth organic template. Malaysian Journal of Fundamental and Applied Sciences, 2017, 13, 832-839.	0.4	7
616	Valorization of Oued Sebou Natural Sediments (Fez-Morocco Area) as Adsorbent of Methylene Blue Dye: Kinetic and Thermodynamic Study. Scientific World Journal, The, 2020, 2020, 1-8.	0.8	20
617	Removal of Toxic Azo Dyes from Wastewater using Bottom Ash - Equilibrium Isothermal Modeling. Oriental Journal of Chemistry, 2012, 28, 955-961.	0.1	13

#	Article	IF	Citations
618	Equilibrium, kinetics and thermodynamics studies of textile dyes adsorption on modified Tunisian clay. Mediterranean Journal of Chemistry, 2016, 5, 414-422.	0.3	2
619	Removal of Heavy Metals using Amine Crosslinked Reduced Graphene Oxide. , 2015, , .		9
620	Absorption Isotherm Study of Mn2+ on MnO2 and FeO - coated zeolite from aqueous solution. International Journal of Advanced Science and Technology, 2014, 72, 63-72.	0.3	7
621	Nitrogen and Phosphate Recovery from Source-Separated Urine by Dosing with Magnesite and Zeolite. Polish Journal of Environmental Studies, 2015, 24, 2269-2275.	0.6	12
622	Removal of uranium from aqueous solutions using ammonium-modified zeolite. South African Journal of Chemistry, 2015, 68, 165-171.	0.3	27
623	Removal of Lead Ions from Aqueous Solution by Nano Zero-Valent Iron (nZVI). Health Scope, 2016, Inpress, .	0.4	4
624	Adsorption of Heavy Metals on Chemically Modified Muscovite. Aswan University Journal of Environmental Studies, 2020, 1, 183-203.	0.4	6
625	High Surface Area Mesoporous Silica for Hydrogen Sulfide Effective Removal. Current Nanoscience, 2020, 16, 226-234.	0.7	16
626	Isotherm adsorption characteristics of carbon microparticles prepared from pineapple peel waste. Communications in Science and Technology, 2020, 5, 31-39.	0.4	37
627	Adsorption of textile dyes on raw Tunisian clay: Equilibrium, kinetics and thermodynamics. Journal of Advances in Chemistry, 2015, 11, 3685-3697.	0.1	4
628	ADSORPTION OF SIMAZINE AND BOSCALID ONTO ACID-ACTIVATED NATURAL CLINOPTILOLITE. Environmental Engineering and Management Journal, 2015, 14, 1705-1712.	0.2	13
629	Ä°stilacÄ± Centaurea Solstitialis Bitkisi KullanÄ±larak Sulu Ã‡Ã¶zeltilerden Malahit YeÅŸil Boya Giderimi ve Tepki YÃ¼zey YÃ¶ntemi ile Optimizasyon: Kinetik, Ä°zoterm ve Termodinamik Ã‡alÄ±ÅŸma. European Journal of Science and Technology, 0, , 755-768.	0.5	12
630	Comparative Removal of Lead and Nickel Ions onto Nanofibrous Sheet of Activated Polyacrylonitrile in Batch Adsorption and Application of Conventional Kinetic and Isotherm Models. Membranes, 2021, 11, 10.	1.4	17
631	Adsorption of Cu(II) on maghnite from aqueous solution: Effects of pH, initial concentration, interaction time and temperature. Natural Science, 2012, 04, 856-868.	0.2	6
632	Cationic Dye (Methylene Blue) Removal from Aqueous Solution by Montmorillonite. Bulletin of the Korean Chemical Society, 2012, 33, 3184-3190.	1.0	100
633	Biosorption of Cr(III) from aqueous solution using an agricultural by-product jute stick powder: Equilibrium and kinetic studies. European Journal of Chemistry, 2018, 9, 202-212.	0.3	4
634	The Removal of Lead from Aqueous Solution Using Almond Green Hull (Prunus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 107 Td (amygdalus Research, 2017, 15, .	0.1	4
635	Removal of Lead Ions from Aqueous Solution by Nano Zero-Valent Iron (nZVI). Health Scope, 2016, 6, .	0.4	3

#	Article	IF	Citations
636	Influence of Acidic Surface Factional Groups on Lead(II) ions Adsorption by Activated Carbons. Journal of Environmental Chemistry, 2008, 18, 219-226.	0.1	9
637	Agricultural wastes as a low cost adsorbents for the removal of Acid Blue 92 dye: A Comparative study with Commercial activated carbon.. IOSR Journal of Agriculture and Veterinary Science, 2014, 7, 19-32.	0.1	5
638	Adsorption-desorption and kinetics studies of Methylene Blue Dye on Na-bentonite from Aqueous Solution. IOSR Journal of Applied Chemistry, 2014, 7, 60-78.	0.2	3
639	Phenol Removal from Aqueous Solution by Adsorption Technique Using Coconut Shell Activated Carbon. Tropical Aquatic and Soil Pollution, 2021, 1, 98-107.	3.0	10
640	EDTA-Functionalized Magnetic Graphene Oxide/Polyacrylamide Grafted Carboxymethyl Cellulose Hydrogel for Removal of Pb+2 from Aqueous Solution. Journal of Polymers and the Environment, 2022, 30, 1833-1846.	2.4	3
641	Adsorption studies of carbon dioxide and anionic dye on green adsorbent. Journal of Molecular Structure, 2022, 1250, 131736.	1.8	47
642	Adsorption of cadmium and lead from aqueous solution using modified biochar: A review. Journal of Environmental Chemical Engineering, 2022, 10, 106502.	3.3	76
643	Heavy metal adsorptive application of hydrolyzed corn starch. Journal of Polymer Research, 2021, 28, 1.	1.2	16
644	Equilibrium Modeling of Cu Removal From Aqueous Solutions: Influence of Ionic Strength. NATO Science for Peace and Security Series C: Environmental Security, 2009, , 203-210.	0.1	0
645	Applying Freundlich, Langmuir and Temkin models in Cu and Pb soil sorption experiments. Spanish Journal of Soil Science, 0, 1, .	0.0	2
646	Studies on the Removal of Malachite Green Using Indian Activated Coir Pith. I-managerâ€™s Journal on Future Engineering and Technology, 2014, 10, 18-26.	0.3	1
647	Adsorption of copper ions from aqueous solutions on natural zeolite. Environmental Protection Engineering, 2015, 41, .	0.1	5
648	Acetic acid adsorption onto activated carbon derived from pods of Acacia nilotica var astringens (Sunt tree) by chemical activation with ZnCl2. Journal of Natural Sciences Research, 2015, 5, 42-48.	1.0	4
649	Investigating the Reaction and Transport Controlled Mechanism for the Sorption of Cr(III) and Mn(II) Ions onto Acid Activated Shale using Non-Linear Error Functions. Journal of BP Koirala Institute of Health Sciences, 2019, 3, 174-185.	0.1	0
650	Heavy metal removals from industrial wastewater using modified zeolite: study the effect of pre-treatment. GovarÃ® ZankoÃ® GermÃ®an, 2019, 6, 403-416.	0.0	2
651	Kinetic and equilibrium studies of adsorption of Pb(II) on low cost agri-waste adsorbent Jute Stick Powder. European Journal of Chemistry, 2019, 10, 295-304.	0.3	1
652	Amine- and thiol-bifunctionalized mesoporous silica material for immobilization of Pb and Cd: Characterization, efficiency, and mechanism. Chemosphere, 2022, 291, 132771.	4.2	16
653	Synergistic removal of As(V) from aqueous solution by nanozero valent iron loaded with zeolite 5A synthesized from fly ash. Journal of Hazardous Materials, 2022, 424, 127428.	6.5	19

#	Article	IF	Citations
654	Influence of the Cd2+ Ions on the Crystal Violet Dye Adsorption from Aqueous Solutions by Activated Charcoal Obtained from Pine Cones. Springer Proceedings in Energy, 2020, , 327-357.	0.2	1
655	Adsorption isotherm models: A comprehensive and systematic review (2010â^'2020). Science of the Total Environment, 2022, 812, 151334.	3.9	165
656	The adsorption, kinetics, and interaction mechanisms of various types of estrogen on electrospun polymeric nanofiber membranes. Nanotechnology, 2022, 33, 075702.	1.3	6
657	Adsorption of Aniline from Aqueous System by Highly Fluorinated Polymers of Intrinsic Microporosity (PIM-2). Journal of the Institute of Science and Technology, 0, , 1886-1898.	0.3	1
658	Scandium recovery from raffinate copper leach solution as potential new source with ion exchange method. Transactions of Nonferrous Metals Society of China, 2020, 30, 3103-3113.	1.7	7
659	Equilibrium curve of carbon dioxide adsorptionâ€"desorption using potassium carbonate on gamma-alumina in fluidized bed reactor. Energy Reports, 2020, 6, 231-236.	2.5	5
660	Purification of an iron contaminated vanadium solution through ion exchange resins. Minerals Engineering, 2022, 176, 107337.	1.8	21
661	Treatment of real industrial wastewater with high sulfate concentrations using modified Jordanian kaolin sorbent: batch and modelling studies. Heliyon, 2021, 7, e08351.	1.4	11
662	Efficient removal of U(VI) in acidic environment with spent coffee grounds derived hydrogel. Journal of Hazardous Materials, 2022, 426, 127786.	6.5	9
663	Experimental and computational studies on activated Bambara groundnut (Vigna subterranean) hulls for the adsorptive removal of herbicides from aqueous solution. Bulletin of the National Research Centre, 2021, 45, .	0.7	2
664	Confronting heterogeneous sorption and hydrodynamic dispersion on solute transport in a fracture-skin-matrix system using spatial moment analysis. Environmental Science and Pollution Research, 2021, , 1.	2.7	0
665	Preparation of Magnetic Composite Polyaniline/Fe3O4â^'Hydrotalcite and Performance in Removal of Methyl Orange. Adsorption Science and Technology, 2021, 2021, 1-18.	1.5	3
666	Adsorption Kinetics of Toxic Metals from Brewery Waste Water Using Adsorbent Prepared from Borassus aethiopum. International Journal of Scientific and Management Research, 2021, 04, 14-25.	0.0	1
667	Direct Synthesis of Sulfur-Decorating PAMAM Dendrimer/Mesoporous Silica for Enhanced Hg(II) and Cd(II) Adsorption. Langmuir, 2022, 38, 698-710.	1.6	24
668	Activated carbon derived from hawthorn kernel waste for rapid adsorption of fungicides. Surfaces and Interfaces, 2022, 28, 101700.	1.5	4
669	Which is better for Lindane pesticide adsorption, graphene or graphene oxide? An experimental and DFT study. Journal of Molecular Liquids, 2022, 347, 118345.	2.3	28
670	Facilely recoverable Pb(II) adsorbent based on greigite (Fe3S4) loaded alginate aerogel with high adsorption efficiency. Chemosphere, 2022, 290, 133264.	4.2	7
671	Superior removal of dyes by mesoporous MgO/g-C3N4 fabricated through ultrasound method: Adsorption mechanism and process modeling. Environmental Research, 2022, 205, 112543.	3.7	43

#	Article	IF	Citations
672	Multi-Functional Magnesium Hydroxide Coating for Iron Nanoparticles Towards Prolonged Reactivity in Cr(VI) Removal from Aqueous Solutions. SSRN Electronic Journal, 0, , .	0.4	0
673	Isotherms, kinetic and thermodynamic studies of methylene blue adsorption on chitosan flakes derived from African giant snail shell. African Journal of Environmental Science and Technology, 2022, 16, 37-70.	0.2	8
675	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
676	High-performance Zn-based coordination polymers selectively adsorb mercury ions from aqueous solutions. Journal of Cleaner Production, 2022, 337, 130551.	4.6	38
677	Removal of aqueous pharmaceuticals by magnetically functionalized Zr-MOFs: Adsorption Kinetics, Isotherms, and regeneration. Journal of Colloid and Interface Science, 2022, 615, 876-886.	5.0	51
678	Lignin grafted hydroxyapatite entrapped in polyacrylamide: Characterization and adsorptive features for Th4+ and bovine serum albumin. International Journal of Biological Macromolecules, 2022, 204, 333-344.	3.6	4
679	Erbium adsorption from aqueous solutions using RSM-based optimization of the phosphate functional group in modified nano titania. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2022, 641, 128537.	2.3	6
680	Chemical Modification of Chitosan for Removal of Pb(II) Ions from Aqueous Solutions. Materials, 2021, 14, 7894.	1.3	9
681	CO2 Adsorption on Activated Carbons Prepared from Molasses: A Comparison of Two and Three Parametric Models. Materials, 2021, 14, 7458.	1.3	19
682	Easily Synthesized Mesoporous Aluminum Phosphate for the Enhanced Adsorption Performance of U(Vi) from Aqueous Solution. SSRN Electronic Journal, 0, , .	0.4	0
683	Sustainable wastewater remediation technologies for agricultural uses. , 2022, , 153-179.		1
684	Study of Isotherm and Kinetic Parameters for Efficient Adsorption of Methylene Blue Dye onto the Surface of Meldrumâ€™s Acid Modified SPIONs. Asian Journal of Chemistry, 2022, 34, 619-626.	0.1	1
685	Removal of the As(V) and Sr(VI) from the water using magnetite/3D-printed wollastonite hybrid adsorbent. Science of Sintering, 2022, 54, 105-124.	0.5	3
686	Using Walnut Shell Based Activated Carbon for the Efficient Removal of Phosphate from Aqueous Solutions. Sinop Ãœniversitesi Fen Bilimleri Dergisi, 0, , .	0.4	0
687	Synthesis of a novel EDTA-functionalized nanocomposite of Fe3O4-Eucalyptus camaldulensis green carbon fiber for selective separation of lead ions from synthetic wastewater: isotherm and kinetic studies. Applied Nanoscience (Switzerland), 0, , 1.	1.6	0
688	Evaluation of the efficiency of ZnCl₂ activated cocoa pod husk charcoal on the removal of Cu²⁺, Cd²⁺, and Pb²⁺ ions from aqueous solution. Journal of Dispersion Science and Technology, 2023, 44, 1900-1909.	1.3	1
689	Thermal and chemical pretreatment of Terminalia mantaly seed husk biosorbent to enhance the adsorption capacity for Pb2+. Scientific African, 2022, 15, e01123.	0.7	2
690	Solidification/stabilisation of Pb (II) and Cu (II) containing wastewater in cement matrix. Environmental Technology (United Kingdom), 2023, 44, 2876-2888.	1.2	2

#	Article	IF	Citations
691	Highly Selective Removal of Cationic Dyes from Wastewater by MgO Nanorods. Nanomaterials, 2022, 12, 1023.	1.9	23
692	Ethylenediaminetetraacetate functionalized MgFe layered double hydroxide/biochar composites for highly efficient adsorptive removal of lead ions from aqueous solutions. PLoS ONE, 2022, 17, e0265024.	1.1	4
693	SACCHARUM MUNJA DERIVED BIOCHAR LOADED WITH HEMATITE NANOMATERIAL FOR REMEDIATION OF CHROMIUM(III) FROM AQUEOUS ENVIRONMENT: ISOTHERMAL, ERROR ANALYSIS, KINETIC AND THERMODYNAMIC STUDIES. European Journal of Materials Science and Engineering, 2022, 7, 49-71.	0.3	0
694	Nanospace Engineering of Triazineâ"Thiophene-Intertwined Porous-Organic-Polymers via Molecular Expansion in Tweaking CO₂ Capture. ACS Applied Nano Materials, 2022, 5, 5302-5315.	2.4	22
695	Kinetic, equilibrium, and thermodynamic studies of heavy metal removal from aqueous solutions by natural material from Morocco. Euro-Mediterranean Journal for Environmental Integration, 2022, 7, 141-153.	0.6	1
696	Adsorption performance of silica supported polyamidoamine dendrimers for Cd(II) and Cu(II) in N,N-dimethylformamide. Journal of Molecular Liquids, 2022, 357, 119098.	2.3	4
697	Zirconium-modified biochar as the efficient adsorbent for low-concentration phosphate: performance and mechanism. Environmental Science and Pollution Research, 2022, 29, 62347-62360.	2.7	7
698	Adsorption of 4-Nitrophenol onto Iron Oxide Bentonite Nanocomposite: Process Optimization, Kinetics, Isotherms and Mechanism. International Journal of Environmental Research, 2022, 16, 1.	1.1	17
699	Lignin-based electrospinning nanofibers for reversible iodine capture and potential applications. International Journal of Biological Macromolecules, 2022, 208, 782-793.	3.6	13
700	Multi-functional magnesium hydroxide coating for iron nanoparticles towards prolonged reactivity in Cr(VI) removal from aqueous solutions. Journal of Environmental Chemical Engineering, 2022, 10, 107431.	3.3	41
701	Adsorptive purification of CO2/H2 gas mixtures of spent disposable wooden chopstick-derived activated carbon: Optimal synthesis condition. Separation and Purification Technology, 2022, 291, 120948.	3.9	13
702	Core-shells of magnetite nanoparticles decorated by SBA-3-SO3H mesoporous silica for magnetic solid phase adsorption of paraquat herbicide from aqueous solutions. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2022, 643, 128709.	2.3	8
703	Selective adsorption of anions on hydrotalcite-like compounds derived from drinking water treatment residuals. Chemosphere, 2022, 300, 134508.	4.2	4
704	Comparison of sorption efficiency of natural and MnO₂ coated zeolite for copper removal from model solutions. IOP Conference Series: Earth and Environmental Science, 2021, 900, 012003.	0.2	1
705	Adsorptive Recovery of Cu2+ from Aqueous Solution by Polyethylene Terephthalate Nanofibres Modified with 2-(Aminomethyl)Pyridine. Applied Sciences (Switzerland), 2021, 11, 11912.	1.3	5
706	Potential of nanocomposites of zero valent copper and magnetite with Eleocharis dulcis biochar for packed column and batch scale removal of Congo red dye. Environmental Pollution, 2022, 305, 119291.	3.7	11
708	Nitrate adsorption onto surface-modified red mud in batch and fixed-bed column systems: equilibrium, kinetic, and thermodynamic studies. Environmental Science and Pollution Research, 2022, 29, 48438-48452.	2.7	14
709	Biochar adsorption system designs. , 2022, , 153-203.		5

#	Article	IF	Citations
710	Experimental and theoretical studies of a magnetic mesoporous molecularly imprinted polymer for selective adsorption of estrogens from aqueous solutions. Journal of Molecular Structure, 2022, 1264, 133221.	1.8	8
711	Ion-Selective Adsorption of Lead by a Two-Dimensional Terbium Oxalate Framework. Bulletin of the Chemical Society of Japan, 2022, 95, 825-829.	2.0	2
712	Investigation on the lead adsorption capacity of Iranian natural zeolite: modifications, structural effects, adsorption isotherms, kinetics, and mechanism studies. Separation Science and Technology, 0, , 1-17.	1.3	0
713	Alkali treatment to transform natural clinoptilolite into zeolite Naâ€“P: Influence of NaOH concentration. Journal of Physics and Chemistry of Solids, 2022, 168, 110827.	1.9	12
714	Thiourea-Isocyanate-Based Covalent Organic Frameworks with Tunable Surface Charge and Surface Area for Methylene Blue and Methyl Orange Removal from Aqueous Media. Micromachines, 2022, 13, 938.	1.4	5
715	Eco-friendly waste water purification using brown algae. International Journal of Environmental Analytical Chemistry, 0, , 1-18.	1.8	0
716	Radix Astragali residue-derived porous amino-laced double-network hydrogel for efficient Pb(II) removal: Performance and modeling. Journal of Hazardous Materials, 2022, 438, 129418.	6.5	14
717	Efficient removal of organic dyes by Cr-doped ZnO nanoparticles. Biomass Conversion and Biorefinery, 2024, 14, 4177-4190.	2.9	6
718	Low-cost novel nano-constructed granite composites for removal of hazardous Terasil dye from wastewater. Environmental Science and Pollution Research, 2023, 30, 81333-81351.	2.7	4
719	Characterization of Cu(II) and Zn(II) Sorption onto Zeolite. Crystals, 2022, 12, 908.	1.0	5
720	The study of photo Fenton oxidation for lead removal from simulated wastewater. AIP Conference Proceedings, 2022, , .	0.3	0
721	Hydroxychloroquine Adsorption in Aqueous Medium Using Clinoptilolite Zeolite. Water, Air, and Soil Pollution, 2022, 233, .	1.1	7
722	Magnetic supported activated carbon obtained from walnut shells for bisphenol-a uptake from aqueous solution. Applied Water Science, 2022, 12, .	2.8	3
723	Isotherm models for adsorption of heavy metals from water - A review. Chemosphere, 2022, 307, 135545.	4.2	144
724	Introducing the new model of chemical adsorption for heavy metals by Jacobi activated carbon adsorbents, Iranian activated carbon and blowy sand. Case Studies in Chemical and Environmental Engineering, 2022, 6, 100220.	2.9	6
725	Porous graphitic carbon nitride nanosheets coated with polyfluorene for removal of Malachite green and Methylene blue dyes and Cu (II) ions. Materials Chemistry and Physics, 2022, 290, 126523.	2.0	18
726	Cleanup of Cd II from water media using Y2O3@gC3N4 (YGCN) nanocomposite. Diamond and Related Materials, 2022, 129, 109315.	1.8	18
727	Evaluation the feasibility of using clinoptilolite as a gravel pack in water wells for removal of lead from contaminated groundwater. Environmental Science and Pollution Research, 2023, 30, 4653-4668.	2.7	5

#	Article	IF	Citations
728	Simultaneous and Efficient Removal of Linear Alkylbenzenesulfonate and Nitrogen in a Membrane Biofilm Reactor under Low Dissolved Oxygen Conditions. ACS ES&T Engineering, 2022, 2, 2234-2244.	3.7	6
729	Highly efficient Cu-doped BTC aerogel for lead ions adsorption from aqueous solution: statistical modeling and optimization study using response surface methodology. Surfaces and Interfaces, 2022, 34, 102277.	1.5	4
730	Comparative study of adsorption isotherms on activated carbons synthesized from rice husk towards carbon dioxide adsorption. Chemical Papers, 0, , .	1.0	3
732	Weed to nano seeds: Ultrasonic assisted one-pot fabrication of superparamagnetic magnetite nano adsorbents from Siam weed flower extract for the removal of lead from water.. Journal of Hazardous Materials Advances, 2022, 8, 100163.	1.2	3
733	Effect of polyurethane structure on arsenic adsorption capacity in nanofibrous polymer/ferrous sulphate-based systems. Environmental Science: Water Research and Technology, 0, , .	1.2	0
734	Isotherm and thermodynamic studies on the removal of gelatin-stabilized silver nanoparticles from water by activated carbon. Journal of the Turkish Chemical Society, Section A: Chemistry, 0, , 919-938.	0.4	0
735	Green Ca-Loaded MgO Nanoparticles as an Efficient Adsorbent for Organic Hazardous Dyes. Journal of Nanomaterials, 2022, 2022, 1-16.	1.5	4
736	Combined separation-assay method for uranium in environmental water using a polyethylene-supported phosphonate coordination polymer membrane. Journal of Radioanalytical and Nuclear Chemistry, 2022, 331, 4197-4209.	0.7	1
737	Biobased hydrogels and their composite containing MgMOF74 for the removal of textile dyes and wastewater treatment. Water Environment Research, 2022, 94, .	1.3	0
738	Insight into the mechanisms involved in the removal of toxic, rare earth, and platinum elements from complex mixtures by Ulva sp.. Chemical Engineering Journal, 2023, 453, 139630.	6.6	7
739	A single rapid route synthesis of magnetite/chitosan nanocomposite: Competitive study. Results in Chemistry, 2022, 4, 100567.	0.9	8
740	Encapsulation of ammonium molybdophosphate for removal of selected radionuclides from multicomponent solution in a fixed-bed column. International Journal of Environmental Analytical Chemistry, 0, , 1-20.	1.8	2
741	Identification of the aged microplastics film and its sorption of antibiotics and bactericides in aqueous and soil compartments. Marine Pollution Bulletin, 2022, 185, 114312.	2.3	5
742	Electrospinning of PANI/GO nanocomposite and PANI/CS blend for high removal efficiency of Ni (II) from aqueous solution. Journal of Molecular Structure, 2023, 1272, 134217.	1.8	6
743	Sorption studies of Pb(II) onto montmorillonite clay. IOP Conference Series: Earth and Environmental Science, 2022, 1087, 012007.	0.2	0
744	Efficient Mesoporous MgO/g-C3N4 for Heavy Metal Uptake: Modeling Process and Adsorption Mechanism. Nanomaterials, 2022, 12, 3945.	1.9	16
745	Adsorptive-desorptive performance of Chlorella vulgaris for the removal of vanadium from aqueous solutions. Chemistry and Ecology, 2023, 39, 24-43.	0.6	1
746	A Dual Media Filter using Zeolite and Mortar for the Efficient Removal of Heavy Metals in Stormwater Runoff. Water (Switzerland), 2022, 14, 3567.	1.2	1

#	Article	IF	Citations
747	Removal of RhB from water by Fe-modified hydrochar and biochar â€“ An experimental evaluation supported by genetic programming. Journal of Molecular Liquids, 2023, 369, 120971.	2.3	20
748	Modeling Date Palm Trunk Fibers (DPTF) Packed Bed Adsorption Performances for Cadmium Removal from Aqueous Wastewater. Fluid Dynamics and Materials Processing, 2023, .	0.5	0
749	High pressure CO2 adsorption onto Malaysian Mukah-Balingian coals: Adsorption isotherms, thermodynamic and kinetic investigations. Environmental Research, 2023, 218, 114905.	3.7	12
750	Efficient Pb(II) adsorption in aqueous solution by hierarchical 3D/2D TiO2/CNNS nanocomposite. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2023, 289, 116191.	1.7	15
751	Functionalized Bentonite Clay Composite with NiAl-Layered Double Hydroxide for the Effective Removal of Cd(II) from Contaminated Water. Sustainability, 2022, 14, 15462.	1.6	1
752	Hydroxyapatite Nanopowders for Effective Removal of Strontium Ions from Aqueous Solutions. Materials, 2023, 16, 229.	1.3	9
753	Insights into the pH-Dependent Adsorption Behavior of Ionic Dyes on Phosphoric Acid-Activated Biochar. ACS Omega, 2022, 7, 46288-46302.	1.6	8
754	Adsorption of methylene blue and Congo red from aqueous solution on 3D MXene/carbon foam hybrid aerogels: A study by experimental and statistical physics modeling. Journal of Environmental Chemical Engineering, 2023, 11, 109206.	3.3	30
755	Exploration on the role of different iron species in the remediation of As and Cd co-contamination by sewage sludge biochar. Environmental Science and Pollution Research, 2023, 30, 39154-39168.	2.7	4
756	A combined precipitation-adsorption method for harmless treatment of glyphosate mother liquor. Journal of Cleaner Production, 2023, 387, 135869.	4.6	3
757	Green activating silica-alumina insoluble phase of fly ash to synthesize zeolite P with high adsorption capacity for Pb(II) in solution. Advanced Powder Technology, 2023, 34, 103938.	2.0	7
758	Algal-derived biochar as an efficient adsorbent for removal of Cr (VI) in textile industry wastewater: Non-linear isotherm, kinetics and ANN studies. Chemosphere, 2023, 316, 137826.	4.2	19
759	Adsorptive removal of pharmaceutically active compounds from multicomponent system using Azadirachta indica induced zinc oxide nanoparticles: analysis of competitive and cooperative adsorption. Water Science and Technology, 2023, 87, 284-303.	1.2	6
760	Adsorption of Arsenic, Lead, Cadmium, and Chromium Ions from Aqueous Solution Using a Protonated Chabazite: Preparation, Characterization, and Removal Mechanism. Adsorption Science and Technology, 2023, 2023, .	1.5	1
761	Yesterday, Today, and Tomorrow. Evolution of a Sleeping Beauty: The Freundlich Isotherm. Langmuir, 2023, 39, 3062-3071.	1.6	7
762	Efficient removal of phytochrome using rice straw-derived biochar: Adsorption performance, mechanisms, and practical applications. Bioresource Technology, 2023, 376, 128918.	4.8	8
763	Rapid quantification of 2,4-dichlorophenol in river water samples using molecularly imprinted polymers coupled to ambient plasma mass spectrometry. Journal of Hazardous Materials, 2023, 450, 131068.	6.5	7
764	Solvent-free mechanochemical synthesis of TiO2-ethyl cellulose biocomposite for adsorption of tetracycline and organic dyes. Journal of Molecular Liquids, 2023, 378, 121643.	2.3	9

#	Article	IF	Citations
765	Enhancement on the selective flotation separation of carbon coated LiFePO4 and graphite electrode materials. Separation and Purification Technology, 2023, 311, 123252.	3.9	9
766	Adsorption of heavy metals on natural zeolites: A review. Chemosphere, 2023, 328, 138508.	4.2	54
767	Heavy Metal Removal Using Plant Origin Biomass and Agricultural Waste-Derived Biomass from Aqueous Media: a Review. Water Conservation Science and Engineering, 2023, 8, .	0.9	6
768	Evaluation of using clinoptilolite as a filter in drinking water wells for removal of lead (small-scale) Tj ETQq1 1 0.784314 rgBT /Overloc	2.6	8
769	Lead(II) removal from aqueous solutions and battery industry wastewater by sorption using seawater-neutralized red mud. International Journal of Environmental Science and Technology, 2023, 20, 3713-3732.	1.8	0
770	On the adsorption of neodymium species from aqueous solution by beneficiated palygorskite. Minerals Engineering, 2023, 195, 108029.	1.8	3
771	Application of isotherms models and error functions in activated carbon CO2 sorption processes. Microporous and Mesoporous Materials, 2023, 354, 112513.	2.2	29
772	Impacts of controlled microwave field irradiation on o-cresol and p-cresol adsorption capability of activated carbon. Environmental Technology (United Kingdom), 0, , 1-20.	1.2	2
773	Study on the Adsorption Properties of Oxalic Acid-Modified Cordierite Honeycomb Ceramics for Neutral Red Dyes. ACS Omega, 2023, 8, 11457-11466.	1.6	2
775	Evaluating the ability of Iranian natural zeolite to remove lead from polluted groundwater in Fashafuye plain. International Journal of Environmental Science and Technology, 0, , .	1.8	0
776	Efficient adsorption of tetracycline hydrochloride by Willow Catkins based biochar: Performance, governing factors and mechanisms. Biomass Conversion and Biorefinery, 0, , .	2.9	1
777	A new approach for determination of adsorption energy for each adsorption site and improve conventional adsorption isotherms. International Journal of Petrochemical Science & Engineering, 2018, 3, 131-142.	0.2	3
778	Ecofriendly Maghemite/Halloysite-like Nanotubes Nanocomposite for Highly Efficient Removal of Cd(II) from Industrial Wastewater. Arabian Journal for Science and Engineering, 2023, 48, 7781-7795.	1.7	3
779	Low-cost biosorption of Fe(II) and Fe(III) from single and binary solutions using Ulva lactuca-derived cellulose nanocrystals-graphene oxide composite film. Scientific Reports, 2023, 13, .	1.6	3
789	Adsorption and desorption of ametryn in paddy field and irrigation canal soil. AIP Conference Proceedings, 2023, , .	0.3	0
810	Advancement of Plant Extract/Ionic Liquid-Based Green Corrosion Inhibitor. Chemistry Africa, 2024, 7, 505-538.	1.2	0
824	A review on thermochemical seasonal solar energy storage materials and modeling methods. International Journal of Air-Conditioning and Refrigeration, 2024, 32, .	0.6	1