Biosorption of heavy metal ions using wheat based bios literature

Bioresource Technology

101, 5043-5053

DOI: 10.1016/j.biortech.2010.02.030

Citation Report

#	Article	IF	Citations
1	PERFORMANCE ANALYSES OF MICROBIAL FUEL CELLS OPERATED IN SERIES. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2010, 43, 547-552.	0.4	4
2	Biosorption of lead(II) onto pine cone powder: Studies on biosorption performance and process design to minimize biosorbent mass. Carbohydrate Polymers, 2010, 82, 1031-1042.	5.1	63
3	Biosorption Kinetics and Isotherm Studies of Cd(II) by Dried Enteromorpha compressa Macroalgae Cells from Aqueous Solutions. Clean - Soil, Air, Water, 2010, 38, 936-941.	0.7	9
4	Removal of nickel(II) ions from aqueous solutions using the natural clinoptilolite and preparation of nano-NiO on the exhausted clinoptilolite. Applied Surface Science, 2010, 257, 1524-1532.	3.1	96
5	Oil Palm Biomassâ€“Based Adsorbents for the Removal of Water Pollutantsâ€”A Review. Journal of Environmental Science and Health, Part C: Environmental Carcinogenesis and Ecotoxicology Reviews, 2011, 29, 177-222.	2.9	91
6	pH-Dependent Interactions Between Lead and Typha angustifolia Biomass in the Biosorption Process. Industrial & Engineering Chemistry Research, 2011, 50, 5920-5926.	1.8	8
8	Microbial Biosorption of Metals. , 2011, , .		65
9	Copper Ions Biosorption Properties of Biomass Derived from Algerian Sahara Plants. , 0, , .		3
10	Nonpoint Source Pollution, Environmental Quality, and Ecosystem Health in China: Introduction to the Special Section. Journal of Environmental Quality, 2011, 40, 1685-1694.	1.0	15
11	Mercury adsorption on granular activated carbon in aqueous solutions containing nitrates and chlorides. Journal of Hazardous Materials, 2011, 192, 1842-1850.	6.5	86
12	Biosorption kinetics, thermodynamics and isosteric heat of sorption of Cu(II) onto Tamarindus indica seed powder. Colloids and Surfaces B: Biointerfaces, 2011, 88, 697-705.	2.5	60
13	The use of a white rot fungi (Pleurotus ostreatus) immobilized on Amberlite XAD-4 as a new biosorbent in trace metal determination. Bioresource Technology, 2011, 102, 8035-8039.	4.8	33
14	Nickel(II) adsorption onto biomass based activated carbon obtained from sugarcane bagasse pith. Bioresource Technology, 2011, 102, 10239-10247.	4.8	167
15	Bioseparation of Pb(II) and Cd(II) from aqueous solution using cork waste biomass. Modeling and optimization of the parameters of the biosorption step. Chemical Engineering Journal, 2011, 174, 9-17.	6.6	45
16	Removal of methylene blue from aqueous solutions by straw based adsorbent in a fixed-bed column. Chemical Engineering Journal, 2011, 173, 429-436.	6.6	97
17	Carbon nanotube-based extraction and electrochemical detection of heavy metals. Research on Chemical Intermediates, 2011, 37, 675-689.	1.3	56
18	Preparation of a Composite Biosorbent Using Scenedesmus quadricauda Biomass and Alginate/Polyvinyl Alcohol for Removal of Cu(II) and Cd(II) Ions: Isotherms, Kinetics, and Thermodynamic Studies. Water, Air, and Soil Pollution, 2011, 221, 391-403.	1.1	50
19	Techno-economic evaluation of the integrated biosorptionâ€“pyrolysis technology for lead (Pb) recovery from aqueous solution. Bioresource Technology, 2011, 102, 6260-6265.	4.8	32

#	Article	IF	Citations
20	Removal of dyes from aqueous solutions by straw based adsorbents: Batch and column studies. Chemical Engineering Journal, 2011, 168, 1120-1127.	6.6	125
21	Effect of modification of environmentally friendly biosorbent wheat (Triticum aestivum) on the biosorptive removal of cadmium(II) ions from aqueous solution. Chemical Engineering Journal, 2011, 171, 400-410.	6.6	155
22	Batch and continuous packed column studies of chromium (III) biosorption by olive stone. Environmental Progress and Sustainable Energy, 2011, 30, 576-585.	1.3	26
23	Biosorption of heavy metals from mining influenced water onto chitin products. Chemical Engineering Journal, 2011, 166, 1002-1009.	6.6	59
24	Adsorption of lead (Pb) from aqueous solution with Typha angustifolia biomass modified by SOCl2 activated EDTA. Chemical Engineering Journal, 2011, 170, 21-28.	6.6	78
25	Adsorption of copper ion from its aqueous solution by a novel biosorbent Uncaria gambir: Equilibrium, kinetics, and thermodynamic studies. Chemical Engineering Journal, 2011, 170, 145-153.	6.6	138
26	The biosorption of heavy metals from aqueous solution by Spirogyra and Cladophora filamentous macroalgae. Bioresource Technology, 2011, 102, 5297-5304.	4.8	217
27	Removal of copper(II) from aqueous solution in fixed-bed column by carboxylic acid functionalized deacetylated konjac glucomannan. Carbohydrate Polymers, 2011, 86, 753-759.	5.1	24
28	Biosorption of Basic Green 4 from aqueous solution by Ananas comosus (pineapple) leaf powder. Colloids and Surfaces B: Biointerfaces, 2011, 84, 520-527.	2.5	171
29	On the zinc sorption by the Serbian natural clinoptilolite and the disinfecting ability and phosphate affinity of the exhausted sorbent. Journal of Hazardous Materials, 2011, 185, 408-415.	6.5	29
30	Reduction and removal of Cr(VI) from aqueous solutions using modified byproducts of beer production. Journal of Hazardous Materials, 2011, 186, 1625-1631.	6.5	50
31	Adsorption of Cu(II) from Aqueous Solution by Wine Processing Waste Sludge. Water Environment Research, 2012, 84, 733-743.	1.3	3
32	Biosorption Potential ofTrichoderma gamsiiBiomass for Removal of Cr(VI) from Electroplating Industrial Effluent. International Journal of Chemical Engineering, 2012, 2012, 1-7.	1.4	13
33	The feasibility of usingRosa caninagalls as an effective new biosorbent for removal of methylene blue and crystal violet. Desalination and Water Treatment, 2012, 43, 63-75.	1.0	15
34	Efficient Adsorption and Recovery of Pb(II) from Aqueous Solution by a Granular pH-Sensitive Chitosan-based Semi-IPN Hydrogel. Journal of Macromolecular Science - Pure and Applied Chemistry, 2012, 49, 971-979.	1.2	23
35	Biosorption of heavy metals by utilising onion and garlic wastes. International Journal of Environment and Pollution, 2012, 49, 179.	0.2	20
36	Macro algae Gracilaria verrucosa as a biosorbent: A study of sorption mechanisms. Algal Research, 2012, 1, 194-204.	2.4	74
37	Biosorption of Direct Red 28 (Congo Red) from Aqueous Solutions by Eggshells: Batch and Column Studies. Separation Science and Technology, 2012, 47, 112-123.	1.3	63

#	Article	IF	Citations
38	Kinetics modelling of Cu(II) biosorption on to coconut shell andMoringa oleiferaseeds from tropical regions. Environmental Technology (United Kingdom), 2012, 33, 409-417.	1.2	31
39	Metal Recovery, Separation and/or Pre-concentration. , 2012, , 237-322.		10
40	Cadmium(II) adsorption on esterified spent grain: Equilibrium modeling and possible mechanisms. Chemical Engineering Journal, 2012, 197, 173-180.	6.6	60
41	Comparison of Dimethyl Disulfide and Carbon Disulfide in Sulfurization of Activated Carbons for Producing Mercury Adsorbents. Industrial & Engineering Chemistry Research, 2012, 51, 12046-12057.	1.8	34
42	Characterization and use of in natura and calcined rice husks for biosorption of heavy metals ions from aqueous effluents. Brazilian Journal of Chemical Engineering, 2012, 29, 619-634.	0.7	51
43	Insight into biosorption equilibrium, kinetics and thermodynamics of crystal violet onto Ananas comosus (pineapple) leaf powder. Applied Water Science, 2012, 2, 135-141.	2.8	53
44	Process modification of a wireâ€welding plant for efficient sulphate removal. Water and Environment Journal, 2012, 26, 56-62.	1.0	1
45	Optimization of Cd(II), Cu(II) and Ni(II) biosorption by chemically modified Moringa oleifera leaves powder. Carbohydrate Polymers, 2012, 88, 1077-1086.	5.1	195
46	Sorption of toxic metal ions by solid sorbents: A predictive speciation approach based on complex formation constants in aqueous solution. Coordination Chemistry Reviews, 2012, 256, 212-221.	9.5	50
47	Cu and Pb biosorption on Bacillus thioparans strain U3 in aqueous solution: Kinetic and equilibrium studies. Chemical Engineering Journal, 2012, 181-182, 352-359.	6.6	50
48	Copper (II) removal by pectinâ€“iron oxide magnetic nanocomposite adsorbent. Chemical Engineering Journal, 2012, 185-186, 100-107.	6.6	205
49	Nano-indentation on nickel aluminate spinel and the influence of acid and alkaline attacks on the spinel surface. Ceramics International, 2012, 38, 3121-3128.	2.3	15
50	Batch and continuous (fixed-bed column) biosorption of crystal violet by Artocarpus heterophyllus (jackfruit) leaf powder. Colloids and Surfaces B: Biointerfaces, 2012, 92, 262-270.	2.5	183
51	Biosorption and desorption of Nickel on oil cake: Batch and column studies. Bioresource Technology, 2012, 103, 35-42.	4.8	88
52	Mechanism of cadmium binding on the cell wall of an acidophilic bacterium. Bioresource Technology, 2012, 108, 176-183.	4.8	143
53	Biosorption of aquatic cadmium(II) by unmodified rice straw. Bioresource Technology, 2012, 114, 20-25.	4.8	201
54	Zinc and cadmium biosorption by untreated and calcium-treated Macrocystis pyrifera in a batch system. Bioresource Technology, 2012, 116, 195-203.	4.8	52
55	Biosorptive removal of cadmium from aqueous solutions using a Streptomyces lunalinharesii strain. Minerals Engineering, 2012, 29, 112-120.	1.8	25

#	Article	IF	Citations
56	Heavy metals and trace elements in atmospheric fall-out: Their relationship with topsoil and wheat element composition. Journal of Hazardous Materials, 2012, 213-214, 447-456.	6.5	139
57	Removal of Cd(II) ions from aqueous solution using a cation exchanger derived from banana stem. Journal of Chemical Technology and Biotechnology, 2012, 87, 714-722.	1.6	20
58	Cd, Cr, Cu, Pb, and Zn concentrations in Ulva lactuca, Codium fragile, Jania rubens, and Dictyota dichotoma from Rabta Bay, Jijel (Algeria). Environmental Monitoring and Assessment, 2012, 184, 1711-1718.	1.3	40
59	Studies on adsorption of cr(vi) onto strychnos potatorum seed from aqueous solution. Environmental Progress and Sustainable Energy, 2013, 32, 35-41.	1.3	19
60	Adsorption of Pb(II) ions onto biomass from Trifolium resupinatum: equilibrium and kinetic studies. Applied Water Science, 2013, 3, 665-672.	2.8	21
61	Fixed-bed column studies on biosorption of crystal violet from aqueous solution by Citrullus lanatus rind and Cyperus rotundus. Applied Water Science, 2013, 3, 673-687.	2.8	68
62	Preparation and characterization of a novel nano-absorbent based on multi-cyanoguanidine modified magnetic chitosan and its highly effective recovery for Hg(II) in aqueous phase. Journal of Hazardous Materials, 2013, 260, 9-15.	6.5	86
63	Collagen/cellulose hydrogel beads reconstituted from ionic liquid solution for Cu(II) adsorption. Carbohydrate Polymers, 2013, 98, 736-743.	5.1	128
64	Biosorption of heavy metals by Streptomyces species â€" an overview. Open Chemistry, 2013, 11, 1412-1422.	1.0	18
65	Biosorption characteristics of Bacillus gibsonii S-2 waste biomass for removal of lead (II) from aqueous solution. Environmental Science and Pollution Research, 2013, 20, 1367-1373.	2.7	24
66	Effect of lead in biosorption of copper by almond shell. Journal of the Taiwan Institute of Chemical Engineers, 2013, 44, 466-473.	2.7	63
67	Microwave-assisted urea-modified sorghum biomass for Cr (III) elimination from aqueous solutions. Korean Journal of Chemical Engineering, 2013, 30, 1257-1264.	1.2	12
68	Batch and continuous (fixed-bed column) biosorption of Cu(II) by Tamarindus indica fruit shell. Korean Journal of Chemical Engineering, 2013, 30, 369-378.	1.2	12
69	On the utilization of a lignocellulosic waste as an excellent dye remover: Modification, characterization and mechanism analysis. Chemical Engineering Journal, 2013, 229, 257-266.	6.6	39
70	Fundamental aspects of copper and zinc removal from aqueous solutions using a Streptomyces lunalinharesii strain. Minerals Engineering, 2013, 48, 44-50.	1.8	33
71	Biosorption of Zn(II) from aqueous solutions by Acinetobacter sp. isolated from petroleum spilled soil. Journal of Environmental Chemical Engineering, 2013, 1, 604-608.	3.3	42
72	Solid phase extraction of trace copper in water samples via modified corn silk as a novel biosorbent with detection by flame atomic absorption spectrometry. Analytical Methods, 2013, 5, 4460.	1.3	20
73	Calcium and hydrogen effects during sorption of copper onto an alginate-based ion exchanger: Batch and fixed-bed column studies. Chemical Engineering Journal, 2013, 232, 51-58.	6.6	44

#	Article	IF	Citations
74	Hexavalent chromium detoxification by nonliving Chlorella vulgaris cultivated under tuned conditions. Chemical Engineering Journal, 2013, 228, 993-1002.	6.6	32
75	Kinetics, equilibrium and mechanism of Cu2+, Ni2+ and Zn2+ ions biosorption using wheat straw. Ecological Engineering, 2013, 58, 113-122.	1.6	96
76	Lead (II) and cadmium (II) biosorption on Spirodela polyrhiza (L.) Schleiden biomass. Journal of Environmental Chemical Engineering, 2013, 1, 200-207.	3.3	91
77	Adsorption study of Pb(II) by chemically modified cattail stem. Desalination and Water Treatment, 2013, 51, 6824-6836.	1.0	5
78	SORPTION OF Pb2+ IONS FROM AQUEOUS SOLUTIONS ON ORGANIC WASTES (PART I) / SORPCJA JONÃ“W Pb2+ Z ROZTWORÃ“W WODNYCH NA ODPADACH ORGANICZNYCH (CZÄ˜ÅšÄ† I). Archives of Mining Sciences, 2013, 58, .	0.6	2
79	Cercis siliquastrum Tree Leaves as an Efficient Adsorbent for Removal of Ag(I): Response Surface Optimization and Characterization of Biosorption. Clean - Soil, Air, Water, 2013, 41, 1183-1195.	0.7	9
80	Mixed matrix membranes for efficient adsorption of copper ions from aqueous solutions. Separation and Purification Technology, 2013, 104, 214-220.	3.9	47
81	Copper biosorption and ions release by Stenotrophomonas maltophilia in the presence of benzo[a]pyrene. Chemical Engineering Journal, 2013, 219, 1-9.	6.6	48
82	Brewers draff as a new low-cost sorbent for chromium (VI): Comparison with other biosorbents. Journal of Colloid and Interface Science, 2013, 396, 227-233.	5.0	29
83	Chemical activation of olive tree pruning to remove lead(II) in batch system: Factorial design for process optimization. Biomass and Bioenergy, 2013, 58, 322-332.	2.9	23
84	Composting improves biosorption of Pb2+ and Ni2+ by renewable lignocellulosic materials. Characteristics and mechanisms involved. Chemical Engineering Journal, 2013, 231, 245-254.	6.6	62
85	Cu(II) removal from aqueous solution by Spartina alterniflora derived biochar. Bioresource Technology, 2013, 141, 83-88.	4.8	184
86	Thin and thick target PIXE analyses to assess the mechanism of Cu2+ removal by Egeria densa. Applied Radiation and Isotopes, 2013, 82, 1-6.	0.7	4
87	Synthesis and adsorption studies of novel hybrid mesoporous copolymer functionalized with protoporphyrin for batch and on-line solid-phase extraction of Cd2+ ions. Reactive and Functional Polymers, 2013, 73, 838-846.	2.0	23
88	Assessment of metal sorption mechanisms by aquatic macrophytes using PIXE analysis. Journal of Hazardous Materials, 2013, 261, 148-154.	6.5	10
89	Effect of pyrolusite loading on sewage sludgeâ€based activated carbon in Cu(II), Pb(II), and Cd(II) adsorption. Environmental Progress and Sustainable Energy, 2013, 32, 1066-1073.	1.3	33
90	Nickel recovery/removal from industrial wastes: A review. Resources, Conservation and Recycling, 2013, 73, 229-238.	5.3	237
91	A review on zinc and nickel adsorption on natural and modified zeolite, bentonite and vermiculite: Examination of process parameters, kinetics and isotherms. Journal of Hazardous Materials, 2013, 252-253, 428-461.	6.5	401

#	Article	IF	Citations
92	Kinetic and Isotherm Studies of Ni²⁺Adsorption on Poly(methacrylic acid) Synthesized through a Hierarchical Double-Imprinting Method Using a Ni²⁺ Ion and Cationic Surfactant as Templates. Industrial & Engineering Chemistry Research, 2013, 52, 8550-8557.	1.8	38
93	A review on the effect of bio-electrodes on denitrification and organic matter removal processes in bio-electrochemical systems. Journal of Industrial and Engineering Chemistry, 2013, 19, 1-13.	2.9	90
94	Biosorption of Pb(II) and Cr(III) from aqueous solutions: breakthrough curves and modeling studies. Environmental Monitoring and Assessment, 2013, 185, 845-854.	1.3	15
95	Thermodynamics of Biosorption for Removal of Co(II) Ions by an Efficient and Ecofriendly Biosorbent (Saccharum bengalense): Kinetics and Isotherm Modeling. Journal of Chemistry, 2013, 2013, 1-11.	0.9	19
96	Study on the Properties of Carboxyl Functionalized Kapok Fiber on Adsorption of Mercury (II). Advanced Materials Research, 2013, 791-793, 28-31.	0.3	1
97	Kinetic and Equilibrium Studies on the Adsorption of Pb(II), Cd(II) and Cu(II) by Rape Straw. Adsorption Science and Technology, 2013, 31, 559-571.	1.5	7
98	Adsorption of Cadmium (II) from Aqueous Solutions by Peanut Shell Cellulose Modified with Carbon Disulphide. Advanced Materials Research, 0, 791-793, 24-27.	0.3	1
99	Biosorption: A Mechanistic Approach. Advances in Biochemical Engineering/Biotechnology, 2013, 141, 173-209.	0.6	8
100	Insight into Equilibrium and Kinetics of the Binding of Cadmium Ions on Radiation-Modified Straw from Oryza sativa. Hindawi Journal of Chemistry, 2013, 2013, 1-12.	1.6	7
101	Bioremediation of Waters Contaminated with Heavy Metals Using Moringa oleifera Seeds as Biosorbent. , 0, , .		34
102	Biosorption of Hexavalent Chromium Using Bark of Cassia spectabilis. Science, Technology and Arts Research, 2014, 3, 83.	0.1	1
103	Rapid Purification of Glycerol by-product from Biodiesel Production through Combined Process of Microwave Assisted Acidification and Adsorption via Chitosan Immobilized with Yeast. Research Journal of Applied Sciences, Engineering and Technology, 2014, 7, 593-602.	0.1	30
104	Adsorption of heavy metals by agroforestry waste derived activated carbons applied to aqueous solutions. African Journal of Biotechnology, 2014, 13, 1579-1587.	0.3	6
105	Biosorption study of Ni2+ and Cr3+ by Sargassum filipendula: kinetics and equilibrium. Brazilian Journal of Chemical Engineering, 2014, 31, 211-227.	0.7	12
106	The Use of Fungal BiomassAgaricus bisporusImmobilized on Amberlite XAD-4 Resin for the Solid-Phase Preconcentration of Thorium. Bioremediation Journal, 2014, 18, 38-45.	1.0	10
107	Biosorption of Nickel Ions by Modified Chitosan from Aqueous Solutions. Applied Mechanics and Materials, 0, 472, 835-839.	0.2	5
108	Biosorption Studies For Removal of Cu (II) ions Onto Saccharum Bengalense an Efficient and Eco-Friendly Biosorbent. Turkish Journal of Biochemistry, 2014, , .	0.3	0
109	Biosorption of Cd(II) from Water by <i>Moringa oleifera</i> Leaves. Advanced Materials Research, 0, 925, 223-227.	0.3	3

#	Article	IF	Citations
110	Removal of Binary Metal (Nickel and Lead) Ions from Aqueous Solution Using Natural and Modified Clinoptilolite. Applied Mechanics and Materials, 0, 661, 45-50.	0.2	0
111	Assessment of Food Processing and Pharmaceutical Industrial Wastes as Potential Biosorbents: A Review. BioMed Research International, 2014, 2014, 1-24.	0.9	33
112	Peculiarities of the Adsorption of Heavy-Metal Ions from Aqueous Media by Modified Cellulose. Adsorption Science and Technology, 2014, 32, 389-402.	1.5	7
113	Environmentally benevolent urea modifiedSaccharum bengalenseas a high capacity biosorbent for removal of Pb(II) ions: metal uptake modeling and adsorption efficiency. Desalination and Water Treatment, 2014, 52, 5856-5868.	1.0	3
114	Biosorption of Cr⁶⁺from aqueous solution by sugarcane bagasse. Desalination and Water Treatment, 2014, 52, 5912-5922.	1.0	27
115	Insight into the binding of copper(II) by non-toxic biodegradable material (Oryza sativa): effect of modification and interfering ions. Clean Technologies and Environmental Policy, 2014, 16, 579-590.	2.1	15
116	Biosorption of antimony(V) by freshwater cyanobacteria Microcystis from Lake Taihu, China: effects of pH and competitive ions. Environmental Science and Pollution Research, 2014, 21, 5836-5848.	2.7	19
117	Reuse of heavy metal-accumulating Cynondon dactylon in remediation of water contaminated by heavy metals. Frontiers of Environmental Science and Engineering, 2014, 8, 952-959.	3.3	6
118	High adsorption of dyes by water hyacinth fixed on alginate. Environmental Chemistry Letters, 2014, 12, 313-320.	8.3	22
119	Potentiality of uranium biosorption from nitric acid solutions using shrimp shells. Journal of Environmental Radioactivity, 2014, 134, 120-127.	0.9	43
120	Adsorption of Cd(II), Hg(II) and Zn(II) from aqueous solution using mesoporous activated carbon produced from Bambusa vulgaris striata. Chemical Engineering Research and Design, 2014, 92, 2715-2724.	2.7	82
121	Cork stoppers as an effective sorbent for water treatment: the removal of mercury at environmentally relevant concentrations and conditions. Environmental Science and Pollution Research, 2014, 21, 2108-2121.	2.7	44
122	Potential of biological materials for removing heavy metals from wastewater. Environmental Science and Pollution Research, 2014, 21, 1614-1627.	2.7	61
123	Application of Solid-Phase Extraction for Trace Elements in Environmental and Biological Samples: A Review. Critical Reviews in Analytical Chemistry, 2014, 44, 233-254.	1.8	64
124	Typical lignocellulosic wastes and by-products for biosorption process in water and wastewater treatment: A critical review. Bioresource Technology, 2014, 160, 57-66.	4.8	366
125	Recovery of high-value metals from geothermal sites by biosorption and bioaccumulation. Bioresource Technology, 2014, 160, 182-190.	4.8	86
126	Competitive effects on mercury removal by an agricultural waste: application to synthetic and natural spiked waters. Environmental Technology (United Kingdom), 2014, 35, 661-673.	1.2	17
127	STUDY OF CHEMICAL SURFACE STRUCTURE OF NATURAL SORBENTS USED FOR REMOVING OF Pb2+ IONS FROM MODEL AQUEOUS SOLUTIONS (PART II). Archives of Mining Sciences, 2014, 59, 217-223.	0.6	2

#	Article	IF	Citations
128	Removal of Cd (II) by polystyrene-base chelating resins: adsorption properties and experiences of industrial wastewater treatment. Desalination and Water Treatment, 2014, 52, 6481-6491.	1.0	5
129	Wheat Bran and Cadmium in Human Health. , 2014, , 241-260.		5
130	Functionalized Carbon Spheres for Extraction of Nanoparticles and Catalyst Support in Water. ACS Sustainable Chemistry and Engineering, 2014, 2, 2675-2682.	3.2	58
131	Biosorption of Uranium by Magnetically Modified Wheat Bran. Separation Science and Technology, 2014, 49, 2534-2539.	1.3	6
132	Removal of Oil and Cr(VI) from Wastewater Using Modified Pectin Flocculants. Journal of Environmental Engineering, ASCE, 2014, 140, .	0.7	7
133	The adsorption aspect of Cu2+ and Zn2+ on MCM-41 and SDS-modified MCM-41. Inorganic Chemistry Communication, 2014, 46, 301-304.	1.8	17
134	Immobilization of chlorine dioxide modified cells for uranium absorption. Journal of Environmental Radioactivity, 2014, 137, 46-51.	0.9	16
135	Facile Fabrication of Magnetic Chitosan Beads of Fast Kinetics and High Capacity for Copper Removal. ACS Applied Materials & Interfaces, 2014, 6, 3421-3426.	4.0	138
136	Removal of cadmium from aqueous solution using marine green algae, Ulva lactuca. Egyptian Journal of Aquatic Research, 2014, 40, 235-242.	1.0	108
137	Biosorption mechanism of Cu2+ by innovative immobilized spent substrate of fragrant mushroom biomass. Ecological Engineering, 2014, 73, 509-513.	1.6	27
138	Batch and continuous fixed-bed column biosorption of thorium(IV) from aqueous solutions: equilibrium and dynamic modeling. Journal of Radioanalytical and Nuclear Chemistry, 2014, 301, 493-503.	0.7	20
139	Removal of Ni (II) ions from water using scrap tire. Journal of Molecular Liquids, 2014, 190, 215-222.	2.3	121
140	A new approach to modification of an agro-based raw material for Pb(II) adsorption. Korean Journal of Chemical Engineering, 2014, 31, 467-474.	1.2	13
141	Removal of Copper Ions and Methylene Blue from Aqueous Solution Using Chemically Modified Mixed Hardwoods Powder as a Biosorbent. Industrial & Engineering Chemistry Research, 2014, 53, 4247-4253.	1.8	22
142	Cryogels for Afnity Chromatography. , 2014, , 62-91.		0
143	Utilization of Modified Corn Silk as a Biosorbent for Solid-phase Extraction of Cr(III) and Chromium Speciation. Analytical Sciences, 2014, 30, 1081-1087.	0.8	13
144	Urban Biomining: New Challenges for a Successful Exploitation of WEEE by Means of a Biotechnological Approach. , 2015, , 347-376.		2
145	Response surface methodology for optimising the operating conditions of nickel(II) adsorption. Journal of Environmental Engineering and Science, 2015, 10, 27-33.	0.3	1

#	Article	IF	Citations
146	Recovery of Zn(II) and Ni(II) Binary from Wastewater Using Integrated Biosorption and Electrodeposition. Clean - Soil, Air, Water, 2015, 43, 368-374.	0.7	3
147	Biotechnology of Metal Removal from Industrial Wastewater: Zinc Case Study. Clean - Soil, Air, Water, 2015, 43, 112-117.	0.7	20
148	Regularities of the mechanism of protodesorption of metal cations in the heterophase system of H2O-HCl-MCl2-Cellulose sorbent. Protection of Metals and Physical Chemistry of Surfaces, 2015, 51, 510-517.	0.3	1
149	Ultrasonic Preparation of Activated Carbon Composites for Removal of Cr3+ and Zn2+ Ions from Aqueous Solution. , 2015, 05, .		1
150	Surfactant-Modified Wheat Straw: Preparation, Characterization and its Application for Methylene Blue Adsorption from Aqueous Solution. Journal of Chemical Engineering & Process Technology, 2015, 06, .	0.1	6
151	Adsorption studies of phosphate ions on alginate-calcium carbonate composite beads. African Journal of Environmental Science and Technology, 2015, 9, 274-281.	0.2	24
152	Rapid Adsorption of Copper(II) and Lead(II) by Rice Straw/Fe3O4 Nanocomposite: Optimization, Equilibrium Isotherms, and Adsorption Kinetics Study. PLoS ONE, 2015, 10, e0120264.	1.1	47
153	Phragmites karkaas a Biosorbent for the Removal of Mercury Metal Ions from Aqueous Solution: Effect of Modification. Journal of Chemistry, 2015, 2015, 1-12.	0.9	25
154	Copper Removal Using Electrosterically Stabilized Nanocrystalline Cellulose. ACS Applied Materials & Interfaces, 2015, 7, 11301-11308.	4.0	106
155	Optimization of the use of a biosorbent to remove heavy metals: Regeneration and reuse of exhausted biosorbent. Journal of the Taiwan Institute of Chemical Engineers, 2015, 51, 109-118.	2.7	30
156	Removal and recovery of lead (Pb2+) from industrial effluent using indigenous and tailor-made Aureobasidium sp. RBSS-303. Water Science and Technology, 2015, 71, 139-148.	1.2	2
157	Bioadsorbents for remediation of heavy metals: Current status and their future prospects. Environmental Engineering Research, 2015, 20, 1-18.	1.5	668
158	Removal of aluminum, iron and manganese ions from industrial wastes using granular activated carbon and Amberlite IR-120H. Egyptian Journal of Aquatic Research, 2015, 41, 155-164.	1.0	109
159	Biosorption of zinc(II) on rapeseed waste: Equilibrium studies and thermogravimetric investigations. Chemical Engineering Research and Design, 2015, 94, 18-28.	2.7	66
160	Biosorption of heavy metals from aqueous solutions using indigenous and modified lignocellulosic materials. Reviews in Environmental Science and Biotechnology, 2015, 14, 211-228.	3.9	79
161	Otostegia persica biomass as a new biosorbent for the removal of lead from aqueous solutions. International Journal of Environmental Science and Technology, 2015, 12, 489-498.	1.8	10
162	Bio-derived materials as a green route for precious & critical metal recovery and re-use. Green Chemistry, 2015, 17, 1951-1965.	4.6	220
163	Marine Algae Biomass for Removal of Heavy Metal Ions. , 2015, , 611-648.		7

#	Article	IF	Citations
165	Composts as Biosorbents for Decontamination of Various Pollutants: a Review. Water, Air, and Soil Pollution, 2015, 226, 1.	1.1	74
166	Mechanism of protodesorptionâ€"exchange of heavy metal cations for protons in a heterophase system of H2Oâ€"H2SO4â€"MSO4â€"cellulose sorbent. Journal of Hazardous Materials, 2015, 299, 725-732.	6.5	13
167	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
168	Study on bioaccumulation and biosorption of mercury by living marine macroalgae: Prospecting for a new remediation biotechnology applied to saline waters. Chemical Engineering Journal, 2015, 281, 759-770.	6.6	107
169	Removal of lead(II) from aqueous solution using modified palygorskite, contribution of inverse gas chromatography. Journal of Chromatography A, 2015, 1408, 207-216.	1.8	10
170	Advances in biosorption of microelements â€" the starting point for the production of new agrochemicals. Reviews in Inorganic Chemistry, 2015, 35, 115-133.	1.8	21
171	Adsorptive removal of cadmium ions by Spirulina platensis dry biomass. Saudi Journal of Biological Sciences, 2015, 22, 795-800.	1.8	80
172	Synthesis and characterization of bifunctional mesoporous silica adsorbent for simultaneous removal of lead and nitrate ions. Separation and Purification Technology, 2015, 151, 225-231.	3.9	46
173	Applicability and toxicity evaluation of an adsorbent based on jujube for the removal of toxic heavy metals. Reactive and Functional Polymers, 2015, 93, 138-147.	2.0	21
174	Surface-Functionalized Porous Lignin for Fast and Efficient Lead Removal from Aqueous Solution. ACS Applied Materials & Interfaces, 2015, 7, 15000-15009.	4.0	163
175	Adsorption of Cu2+ from aqueous solution by modified biomass material. Transactions of Nonferrous Metals Society of China, 2015, 25, 991-996.	1.7	8
176	Removal of heavy metals from aqueous solutions using sunflower, potato, canola and walnut shell residues. Journal of the Taiwan Institute of Chemical Engineers, 2015, 54, 125-136.	2.7	104
177	Geochemistry of the Upper ParanÃ¡ River floodplain: study of the GarÃ§as Pond and Patos Pond. Journal of Radioanalytical and Nuclear Chemistry, 2015, 305, 409-418.	0.7	14
178	Bioremediation of Heavy Metals by Microalgae. , 2015, , 457-469.		11
179	Progress in batch biosorption of heavy metals onto algae. Journal of Molecular Liquids, 2015, 209, 77-86.	2.3	189
180	Valorization of agricultural wastes as dye adsorbents: characterization and adsorption isotherms. Environmental Technology (United Kingdom), 2015, 36, 1913-1923.	1.2	10
181	Isotherm Modelling, Kinetic Study and Optimization of Batch Parameters Using Response Surface Methodology for Effective Removal of Cr(VI) Using Fungal Biomass. PLoS ONE, 2015, 10, e0116884.	1.1	42
182	Biosorption of Zn (II) byPseudomonas aeruginosaisolated from a site contaminated with petroleum. Desalination and Water Treatment, 2015, 54, 3372-3379.	1.0	20

#	Article	IF	Citations
183	Use of wheat straw for effective binding of metal ions via a novel modification. Korean Journal of Chemical Engineering, 2015, 32, 1818-1826.	1.2	5
185	Adsorption characteristics of bio-adsorbent on chromium(III) in industrial wastewater. Water Science and Technology, 2015, 72, 1051-1061.	1.2	4
186	Isotherm and kinetic studies for the biosorption of cadmium from aqueous solution by Alhaji maurorum seed. Chemical Engineering Research and Design, 2015, 98, 374-382.	2.7	35
187	Preparation of amidoxime surface-functionalized polyindole (ASFPI) nanofibers for Pb(<scp>ii</scp>) and Cd(<scp>ii</scp>) adsorption from aqueous solutions. RSC Advances, 2015, 5, 82310-82323.	1.7	21
188	Development of Biochar-Based Functional Materials: Toward a Sustainable Platform Carbon Material. Chemical Reviews, 2015, 115, 12251-12285.	23.0	1,149
189	Characterization and application of expanded graphite modified with phosphoric acid and glucose for the removal of Ni(II) from aqueous solution. Applied Surface Science, 2015, 357, 2355-2363.	3.1	17
190	Effect of conditions of air-lift type reactor work on cadmium adsorption. Korean Journal of Chemical Engineering, 2015, 32, 2024-2030.	1.2	2
191	Natural zeolite for nickel ions removal from aqueous solutions: optimization and modeling using response surface methodology based on central composite design. Desalination and Water Treatment, 0, , 1-9.	1.0	3
192	Biosorption of Mercury from Dilute Aqueous Solutions Using Soybean Hulls and Rice Hulls. Waste and Biomass Valorization, 2015, 6, 561-568.	1.8	15
193	A Critical Analysis on the Efficiency of Activated Carbons from Low-Cost Precursors for Heavy Metals Remediation. Critical Reviews in Environmental Science and Technology, 2015, 45, 613-668.	6.6	91
194	Doehlert design as optimization approach for the removal of Pb(II) from aqueous solution byCatalpa Speciosatree leaves: adsorption characterization. Desalination and Water Treatment, 2015, 53, 430-445.	1.0	23
195	Synthesis and characterization of sulphanilic acidâ€“dithiooxamideâ€“formaldehyde terpolymer resin for adsorption of nickel ions from waste water. Polymer Engineering and Science, 2015, 55, 163-172.	1.5	7
196	Sorption of copper (II) from aqueous solution ontoArachis hypogaeahusk. Desalination and Water Treatment, 2015, 55, 401-409.	1.0	5
197	Adsorption of Mercury(<scp>II</scp>), Lead(<scp>II</scp>), Cadmium(<scp>II</scp>) and Zinc(<scp>II</scp>) from Aqueous Solutions using Mercaptoâ€Modified Silica Particles. International Journal of Applied Ceramic Technology, 2015, 12, 461-472.	1.1	43
198	Biosorption of chromium(VI) from aqueous solutions using waste plant biomass. International Journal of Environmental Science and Technology, 2015, 12, 1415-1426.	1.8	34
199	Biosorption Optimization of Cr(VI) Using Response Surface Methodology and Thermodynamics Modeling ontoAzolla filiculoides. Separation Science and Technology, 2015, 50, 554-563.	1.3	11
200	Bioprocess considerations for microalgal-based wastewater treatment and biomass production. Renewable and Sustainable Energy Reviews, 2015, 42, 1385-1392.	8.2	64
201	Biosorption of Cu2+ and Ni2+ by Arthrospira platensis with different biochemical compositions. Chemical Engineering Journal, 2015, 259, 806-813.	6.6	74

#	Article	IF	Citations
202	Strain-specific bioaccumulation and intracellular distribution of Cd2+ in bacteria isolated from the rhizosphere, ectomycorrhizae, and fruitbodies of ectomycorrhizal fungi. Environmental Science and Pollution Research, 2015, 22, 3055-3067.	2.7	37
203	Modeling of biosorption of Cu(II) by alkali-modified spent tea leaves using response surface methodology (RSM) and artificial neural network (ANN). Applied Water Science, 2015, 5, 191-199.	2.8	65
204	Effect of parameters, equilibrium and kinetic studies on removal of tin using Phoenix dactylifera biomass. International Journal of Environment and Waste Management, 2016, 17, 287.	0.2	0
205	Potencial dos resÃduos do processamento de camarÃ£o para remediaÃ§Ã£o de Ã¡guas contaminadas com drenagem Ã¡cida mineral. Polimeros, 2016, 26, 1-7.	0.2	14
206	Cauliflower Leave, an Agricultural Waste Biomass Adsorbent, and Its Application for the Removal of MB Dye from Aqueous Solution: Equilibrium, Kinetics, and Thermodynamic Studies. International Journal of Analytical Chemistry, 2016, 2016, 1-10.	0.4	32
207	Use ofMoringa oleifera(Moringa) Seed Pods andSclerocarya birrea(Morula) Nut Shells for Removal of Heavy Metals from Wastewater and Borehole Water. Journal of Chemistry, 2016, 2016, 1-13.	0.9	26
208	Environmental Application of Telon Blue AGLF Adsorption on Sunflower Pulp: A Response Surface Methodology Approach and Kinetic Study. Journal of Chemistry, 2016, 2016, 1-10.	0.9	3
209	The possibilities of water purification using phytofiltration methods: a review of recent progress. Biotechnologia, 2016, 4, 315-322.	0.3	7
210	Removal of cadmium from aqueous solutions by adsorption onto persimmon tannins-immobilized on Chitosan. , 2016, , .		0
211	Optimization of process parameters for heavy metals biosorption onto mustard waste biomass. Open Chemistry, 2016, 14, 175-187.	1.0	48
212	Comparison of adsorption of Cd(II) and Pb(II) ions on pure and chemically modified fly ashes. Chemical and Process Engineering - Inzynieria Chemiczna I Procesowa, 2016, 37, 215-234.	0.7	21
213	Zinc removal from aqueous solution using novel adsorbent MISCBA. Journal of Water Sanitation and Hygiene for Development, 2016, 6, 377-388.	0.7	6
214	Removal of Lead(II) Ions from Aqueous Solution Using Jatropha curcas L. Seed Husk Ash as a Biosorbent. Journal of Environmental Quality, 2016, 45, 984-992.	1.0	13
215	Rational Design of Next-generation Nanomaterials and Nanodevices for Water Applications. , 2016, , .		2
216	Optimization of pyrocatechol violet biosorption by Robinia pseudoacacia leaf powder using response surface methodology: kinetic, isotherm and thermodynamic studies. Journal of Water Reuse and Desalination, 2016, 6, 333-344.	1.2	1
217	Adsorption of nickel ontoBacillus cereusM¹₁₆: A mechanistic approach. Separation Science and Technology, 2016, 51, 427-438.	1.3	27
218	Direct dye biosorption by immobilized barley husk. Desalination and Water Treatment, 2016, 57, 9263-9271.	1.0	10
219	Selected heavy metal biosorption by compost of Myriophyllum spicatumâ€"A chemometric approach. Ecological Engineering, 2016, 93, 112-119.	1.6	28

#	Article	IF	Citations
220	Reducing hazardous heavy metal ions using mangium bark waste. Environmental Science and Pollution Research, 2016, 23, 16631-16640.	2.7	2
221	Applicability of plant based biosorbents in the removal of heavy metals: a review. Environmental Processes, 2016, 3, 495-523.	1.7	106
222	Biosorption of Cu2+, Co2+ and Ni2+ from aqueous solution by modified corn silk: Equilibrium, kinetics, and thermodynamic studies. Journal of the Taiwan Institute of Chemical Engineers, 2016, 62, 21-30.	2.7	41
223	Adsorptive removal of nickel(II) ions from aqueous environment: A review. Journal of Environmental Management, 2016, 179, 1-20.	3.8	204
224	A combined biological removal of Cd2+ from aqueous solutions using Phanerochaete chrysosporium and rice straw. Ecotoxicology and Environmental Safety, 2016, 130, 87-92.	2.9	18
225	A Sorbent Based on Liquor Distillersâ€™ Grains for the Removal of Pb(II) and Cr(III) from Aqueous Solution. Procedia Environmental Sciences, 2016, 31, 785-794.	1.3	6
226	Bio-based Methods for Wastewater Treatment: Green Sorbents. , 2016, , 209-238.		18
227	Biosorption of Heavy Metal from Aqueous Solutions. , 2016, , 113-141.		13
228	Organically-modified magnesium silicate nanocomposites for high-performance heavy metal removal. RSC Advances, 2016, 6, 97523-97531.	1.7	16
229	Biosorption Behavior and Reuse Potential of Waste Biomass of Aspergillus fumigatus, previously Used in Humic Acid Biosorption, in Removal of Reactive Blue 49. Environmental Processes, 2016, 3, 843-856.	1.7	6
231	The Role of Biosorbents in the Removal of Arsenic from Water. Chemical Engineering and Technology, 2016, 39, 1617-1628.	0.9	20
232	Evaluating the role of re-adsorption of dissolved Hg2+ during cinnabar dissolution using isotope tracer technique. Journal of Hazardous Materials, 2016, 317, 466-475.	6.5	15
233	Recent Advances in Chemical Engineering. , 2016, , .		3
234	Equilibrium, kinetic and thermodynamic biosorption studies of Hg(II) on red algal biomass of Porphyridium cruentum. Green Chemistry Letters and Reviews, 2016, 9, 179-189.	2.1	16
235	Removal of Cd(II) Ions from Aqueous Solution by Adsorption on ZnCl2-Activated Carbon: Equilibrium and Kinetic Study. , 2016, , 119-131.		0
236	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
237	The effect of biochar and crop straws on heavy metal bioavailability and plant accumulation in a Cd and Pb polluted soil. Ecotoxicology and Environmental Safety, 2016, 132, 94-100.	2.9	199
238	Comparative study on metal biosorption by two macroalgae in saline waters: single and ternary systems. Environmental Science and Pollution Research, 2016, 23, 11985-11997.	2.7	21

#	Article	IF	Citations
239	Empirical and mechanistic evaluation of sodium exchange isotherms on natural mineral and organic adsorbents and organically functionalized nanoparticles. International Journal of Environmental Science and Technology, 2016, 13, 1891-1916.	1.8	3
240	Preparation, characterization and application of Saussurea tridactyla Sch-Bip as green adsorbents for preconcentration of rare earth elements in environmental water samples. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2016, 121, 1-10.	1.5	21
241	Characterization, kinetics and thermodynamics of Ag(I) sorption using novel sorbent: Dry wheatgrass. International Journal of Phytoremediation, 2016, 18, 1202-1208.	1.7	3
242	Heat-treated Escherichia coli as a high-capacity biosorbent for tungsten anions. Bioresource Technology, 2016, 218, 140-145.	4.8	11
243	Regularities of the effects of the nature of polysaccharide materials on distribution of heavy metal ions in a heterophase biosorbentâ€“water solution system. Protection of Metals and Physical Chemistry of Surfaces, 2016, 52, 399-424.	0.3	15
244	Diglycolic amic acid-modified E. coli as a biosorbent for the recovery of rare earth elements. Biochemical Engineering Journal, 2016, 113, 102-106.	1.8	21
245	Multi-component adsorption of Pb(II), Cd(II), and Ni(II) onto Egyptian Na-activated bentonite; equilibrium, kinetics, thermodynamics, and application for seawater desalination. Journal of Environmental Chemical Engineering, 2016, 4, 1166-1180.	3.3	152
246	Effective removal of Hg²⁺ from aqueous solutions and seawater by Malva sylvestris. Desalination and Water Treatment, 2016, 57, 23814-23826.	1.0	25
247	Purification and characterization of exopolysaccharide bioflocculant produced by heavy metal resistant Achromobacter xylosoxidans. Carbohydrate Polymers, 2016, 137, 441-451.	5.1	60
248	Highlighting inconsistencies regarding metal biosorption. Journal of Hazardous Materials, 2016, 304, 553-556.	6.5	67
249	Enhancement of heavy metals sorption via nanocomposites of rice straw and Fe3O4 nanoparticles using artificial neural network (ANN). Ecological Engineering, 2016, 91, 249-256.	1.6	48
250	Study of Ni(II) removal by olive tree pruning and pine cone shell by experimental design methodology. Desalination and Water Treatment, 2016, 57, 15057-15072.	1.0	2
251	Removal of Zn(II) ions from aqueous media on thermal activated sawdust. Desalination and Water Treatment, 2016, 57, 21904-21915.	1.0	13
252	Gardenia jasminoides: an ornamental plant forÂthe biosorption of lead and cadmium ions. Desalination and Water Treatment, 2016, 57, 10432-10442.	1.0	3
253	Enteromorpha compressamacroalgae as biosorbent for heavy metal removal: a preliminary economical evaluation. Desalination and Water Treatment, 2016, 57, 2597-2603.	1.0	0
254	Development of novel blend membranes based on carbohydrate polymers for the removal of toxic metal ions through sorption. Desalination and Water Treatment, 2016, 57, 25729-25738.	1.0	2
255	Equilibrium and kinetic studies on biosorption of Pb(II) by common edible macrofungi: a comparative study. Canadian Journal of Microbiology, 2016, 62, 329-337.	0.8	7
256	Highly efficient adsorption of cadmium(II) onto durable coconut fiber residue. Desalination and Water Treatment, 2016, 57, 15098-15107.	1.0	3

#	Article	IF	Citations
257	Removal of cadmium and lead from aqueous solutions by magnetic acid-treated activated carbon nanocomposite. Desalination and Water Treatment, 2016, 57, 18782-18798.	1.0	42
258	Investigation of the factors affecting acid blue 256 adsorption from aqueous solutions onto red pine sawdust: equilibrium, kinetics, process design, and spectroscopic analysis. Desalination and Water Treatment, 2016, 57, 5636-5653.	1.0	17
259	Zinc remediation of aqueous solutions by natural hemp fibers: batch desorption/regeneration study. Desalination and Water Treatment, 2016, 57, 12644-12652.	1.0	22
260	Application of Opuntia ficus-indica in bioremediation of wastewaters. A critical review. Journal of Environmental Management, 2016, 166, 55-72.	3.8	104
261	Removal of toxic hexavalent chromium from aqueous solution by nickel ferrite-polyaniline nanocomposite. Desalination and Water Treatment, 2016, 57, 17757-17766.	1.0	24
262	Adsorption of Cadmium from Aqueous Solutions onto Coffee Grounds and Wheat Straw: Equilibrium and Kinetic Study. Journal of Environmental Engineering, ASCE, 2016, 142, .	0.7	19
263	Bench-Scale and Pilot-Scale Treatment Technologies for the Removal of Total Dissolved Solids from Coal Mine Water: A Review. Mine Water and the Environment, 2016, 35, 94-112.	0.9	22
264	Heavy Metal Removal from Industrial Wastewater Using Fungi: Uptake Mechanism and Biochemical Aspects. Journal of Environmental Engineering, ASCE, 2016, 142, .	0.7	40
265	Biosorption of Cd(II) from aqueous solutions usingCrataegus oxyacanthastone andPunica granatumseed. Desalination and Water Treatment, 2016, 57, 9354-9365.	1.0	3
266	Investigation of the sorption characteristics of water lettuce (WL) as a potential low-cost biosorbent for the removal of methyl violet 2B. Desalination and Water Treatment, 2016, 57, 8319-8329.	1.0	14
267	Biosorption studies on copper (II) and cadmium (II) using pretreated rice straw and rice husk. Environmental Science and Pollution Research, 2017, 24, 8903-8915.	2.7	38
268	Removal of nickel ions by adsorption on nano-bentonite: Equilibrium, kinetics, and thermodynamics. Journal of Dispersion Science and Technology, 2017, 38, 757-767.	1.3	22
269	Chromium(VI) removal from aqueous medium by maize cane and agave bagasse biomasses. Particulate Science and Technology, 2017, 35, 704-711.	1.1	3
270	Determination of Manganese(II) with Preconcentration on Almond Skin and Determination by Flame Atomic Absorption Spectrometry. Analytical Letters, 2017, 50, 135-147.	1.0	5
271	Insight into the mechanism of Cd(II) and Pb(II) removal by sustainable magnetic biosorbent precursor to Chlorella vulgaris. Journal of the Taiwan Institute of Chemical Engineers, 2017, 71, 206-213.	2.7	45
272	Development of sustainable dye adsorption system using nutraceutical industrial fennel seed spentâ€"studies using Congo red dye. International Journal of Phytoremediation, 2017, 19, 686-694.	1.7	30
273	A macroalgae-based biotechnology for water remediation: Simultaneous removal of Cd, Pb and Hg by living Ulva lactuca. Journal of Environmental Management, 2017, 191, 275-289.	3.8	60
274	Enhanced Adsorption Capacity of Biomass through Ultrasonication for the Removal of Toxic Cadmium Ions from Aquatic System: Temperature Influence on Isotherms and Kinetics. Journal of Hazardous, Toxic, and Radioactive Waste, 2017, 21, .	1.2	17

#	Article	IF	Citations
275	Removal of Pb, Zn, and Cd from contaminated soil by new washing agent from plant material. Environmental Science and Pollution Research, 2017, 24, 8525-8533.	2.7	22
276	Heavy metal adsorption on solution-blown biopolymer nanofiber membranes. Journal of Membrane Science, 2017, 530, 250-263.	4.1	58
277	Facile and Efficient Removal of Tungsten Anions Using Lysine-Promoted Precipitation for Recycling High-Purity Tungsten. ACS Sustainable Chemistry and Engineering, 2017, 5, 3141-3147.	3.2	16
278	Investigation of the influence of Ni(<scp>ii</scp>) exposure on the simultaneous nitrification and denitrification of aerobic granules from an internal oxygen penetration perspective. RSC Advances, 2017, 7, 11608-11615.	1.7	7
279	Mistakes and inconsistencies regarding adsorption of contaminants from aqueous solutions: A critical review. Water Research, 2017, 120, 88-116.	5.3	1,811
280	Revealing the ability of a novel polysaccharide bioflocculant in bioremediation of heavy metals sensed in a Vibrio bioluminescence reporter assay. Environmental Pollution, 2017, 228, 118-127.	3.7	44
281	Efficient techniques for the removal of toxic heavy metals from aquatic environment: A review. Journal of Environmental Chemical Engineering, 2017, 5, 2782-2799.	3.3	1,066
282	Phenomenological mathematical modeling of heavy metal biosorption in fixed-bed columns. Chemical Engineering Journal, 2017, 326, 389-400.	6.6	29
283	Adsorption of heavy metals on functionalized-mesoporous silica: AÂreview. Microporous and Mesoporous Materials, 2017, 247, 145-157.	2.2	341
284	Applications of the Biosorption Process for Nickel Removal from Aqueous Solutions â€“ A Review. Chemical Engineering Communications, 2017, 204, 711-722.	1.5	15
285	Electrospun polyindole nanofibers as a nano-adsorbent for heavy metal ions adsorption for wastewater treatment. Fibers and Polymers, 2017, 18, 502-513.	1.1	40
286	Biosorption of Toxic Metals by Water Lettuce (Pistia stratiotes) Biomass. Water, Air, and Soil Pollution, 2017, 228, 1.	1.1	24
287	Biosorption of the strontium ion by irradiated Saccharomyces cerevisiae under culture conditions. Journal of Environmental Radioactivity, 2017, 172, 52-62.	0.9	21
288	Comments on â€œCharacterization and adsorption capacity of raw pomegranate peel biosorbent for copper removalâ€• Journal of Cleaner Production, 2017, 144, 553-558.	4.6	14
289	Bioaccumulation of Hg, Cd and Pb by Fucus vesiculosus in single and multi-metal contamination scenarios and its effect on growth rate. Chemosphere, 2017, 171, 208-222.	4.2	65
290	Valorisation of post-sorption materials: Opportunities, strategies, and challenges. Advances in Colloid and Interface Science, 2017, 242, 35-58.	7.0	85
291	Survey on Langmuirâ€“Blodgett Films of Polymer and Polymeric Composite. Polymer-Plastics Technology and Engineering, 2017, 56, 932-945.	1.9	18
292	Microalgal-biochar immobilized complex: A novel efficient biosorbent for cadmium removal from aqueous solution. Bioresource Technology, 2017, 244, 1031-1038.	4.8	110

#	Article	IF	Citations
293	A highly selective fluorescent sensor for mercury (II) ion based on Bodipy and Calix[4]arene bearing triazolenaphthylene groups; synthesis and photophysical investigations. Journal of Photochemistry and Photobiology A: Chemistry, 2017, 349, 129-137.	2.0	35
294	Biosorption optimization of Ni(II) ions on Macauba (Acrocomia aculeata) oil extraction residue using fixed-bed column. Journal of Environmental Chemical Engineering, 2017, 5, 4895-4905.	3.3	9
295	Multistage optimizations of slow pyrolysis synthesis of biochar from palm oil sludge for adsorption of lead. Bioresource Technology, 2017, 245, 944-953.	4.8	41
296	Heavy metal ions removal from wastewater using electrocoagulation processes: A comprehensive review. Separation Science and Technology, 0, , 1-28.	1.3	57
297	Reduction of chromium (VI) from aqueous solution by biomass of Cladosporium cladosporioides. Water Science and Technology, 2017, 76, 2494-2502.	1.2	11
298	Selective sorption of Fe(II) ions over Cu(II) and Cr(VI) ions by cross-linked graft copolymers of chitosan with acrylic acid and binary vinyl monomer mixtures. International Journal of Biological Macromolecules, 2017, 105, 1202-1212.	3.6	27
299	Quantitative removal of Hg(II) ions from aqueous media by biosorption on rape waste biomass. , 2017, , .		1
300	A new adsorbent of Pb(<scp>ii</scp>) ions from aqueous solution synthesized by mechanochemical preparation of sulfonated expanded graphite. RSC Advances, 2017, 7, 38350-38359.	1.7	15
301	Removal optimization of heavy metals from effluent of sludge dewatering process in oil and gas well drilling by nanofiltration. Journal of Environmental Management, 2017, 203, 151-156.	3.8	22
302	Sustainable Utilization of Marine Algae Biomass for Environmental Bioremediation. , 2017, , 179-217.		2
303	The adsorption of Sr(II) and Cs(I) ions by irradiated Saccharomyces cerevisiae. Journal of Radioanalytical and Nuclear Chemistry, 2017, 314, 2271-2280.	0.7	9
304	Preparation of environmentally friendly activated carbon for removal of pesticide from aqueous media. International Journal of Industrial Chemistry, 2017, 8, 121-132.	3.1	32
305	Recyclable Saccharomyces cerevisiae loaded nanofibrous mats with sandwich structure constructing via bio-electrospraying for heavy metal removal. Journal of Hazardous Materials, 2017, 324, 365-372.	6.5	95
306	Adding value to gasification and co-pyrolysis chars as removal agents of Cr3+. Journal of Hazardous Materials, 2017, 321, 173-182.	6.5	25
307	Chemical characterization of Pseudomonas veronii 2E soluble exopolymer as Cd(II) ligand for the biotreatment of electroplating wastes. International Biodeterioration and Biodegradation, 2017, 119, 605-613.	1.9	12
308	Alternative utilization of algal biomass (Ulva sp.) loaded with Zn(II) ions for improving of soil quality. Journal of Applied Phycology, 2017, 29, 1069-1079.	1.5	53
309	The mechanism of d-metal ion sorption from aqueous media and chelating sites structures of modified heterocyclic biopolymers. Canadian Journal of Chemistry, 2017, 95, 28-36.	0.6	2
310	Marine-Derived Fungi: Prospective Candidates for Bioremediation. Fungal Biology, 2017, , 17-37.	0.3	5

#	Article	IF	Citations
311	Comparative efficacy of locally isolated fungal strains for Pb(II) removal and recovery from water. Chemistry Central Journal, 2017, 11, 133.	2.6	4
312	Effects of pH and concentration on the capability of E. coli and S. epidermidis with bentonite clay as biosorbent for the removal of Copper, Nickel and Lead from polluted water. EPJ Web of Conferences, 2017, 162, 01081.	0.1	2
313	Plant mediated detoxification of mercury and lead. Arabian Journal of Chemistry, 2017, 10, S2335-S2342.	2.3	121
314	Potential biosorbent, Haloxylon recurvum plant stems, for the removal of methylene blue dye. Arabian Journal of Chemistry, 2017, 10, S1512-S1522.	2.3	68
315	Removal of Heavy Metals from Waste Water by using Various Adsorbents- A Review. Indian Journal of Science and Technology, 2017, 10, 1-14.	0.5	24
316	Wheat Straw as a Bio-Sorbent for Arsenate, Chromate, Fluoride, and Nickel. Water (Switzerland), 2017, 9, 690.	1.2	7
317	Characterization of a Novel Polymeric Bioflocculant Produced from Bacterial Utilization of n-Hexadecane and Its Application in Removal of Heavy Metals. Frontiers in Microbiology, 2017, 8, 170.	1.5	52
318	Biofabrication of gold nanoparticles by Shewanella species. Bioresources and Bioprocessing, 2017, 4, .	2.0	17
319	Removal of Pb(II) from aqueous solutions by Phytolacca americana L. biomass as a low cost biosorbent. Arabian Journal of Chemistry, 2018, 11, 99-110.	2.3	103
320	Biosorption of cadmium(II) and lead(II) from aqueous solutions using Pleurotus ostreatus immobilized on bentonite. Separation Science and Technology, 2018, 53, 1703-1710.	1.3	21
321	Biosorption of strontium ions from simulated high-level liquid waste by living Saccharomyces cerevisiae. Environmental Science and Pollution Research, 2018, 25, 17194-17206.	2.7	10
322	Bamboo (Acidosasa longiligula) shoot shell biochar: its potential application to isolation of uranium(VI) from aqueous solution. Journal of Radioanalytical and Nuclear Chemistry, 2018, 316, 349-362.	0.7	25
323	As(V) removal from aqueous solution using a low-cost adsorbent coir pith ash: Equilibrium and kinetic study. Environmental Technology and Innovation, 2018, 9, 198-209.	3.0	16
324	Reduction of cadmium uptake in rice endophytically colonized with the cadmium-tolerant bacterium Cupriavidus taiwanensis KKU2500-3. Canadian Journal of Microbiology, 2018, 64, 131-145.	0.8	17
325	Application of Response Surface Methodology for Optimization of Cadmium Ion Removal from an Aqueous Solution by Eggshell Powder. Chemical Research in Chinese Universities, 2018, 34, 302-310.	1.3	11
326	Recovery TiO 2 and sodium titanate nanowires as Cd(II) adsorbent from waste V 2 O 5 -WO 3 /TiO 2 selective catalytic reduction catalysts by Na 2 CO 3 -NaCl-KCl molten salt roasting method. Journal of the Taiwan Institute of Chemical Engineers, 2018, 88, 226-233.	2.7	20
327	A natural macroalgae consortium for biosorption of copper from aqueous solution: Optimization, modeling and design studies. International Journal of Phytoremediation, 2018, 20, 362-368.	1.7	6
328	Application of Response Surface Methodology for Optimization of Cadmium Ion Removal from an Aqueous Solution by Eggshell Powder. Chemical Research in Chinese Universities, 2018, , 1.	1.3	2

#	Article	IF	Citations
329	Improving lead adsorption through chemical modification of wheat straw by lactic acid. IOP Conference Series: Earth and Environmental Science, 2018, 108, 022063.	0.2	7
330	Comparative biosorption study of Hg (II) using raw and chemically activated almond shell. Adsorption Science and Technology, 2018, 36, 521-548.	1.5	20
331	Application of a novel phyco-composite biosorbent for the biotreatment of aqueous medium polluted with manganese ions. International Journal of Phytoremediation, 2018, 20, 138-144.	1.7	3
332	Surface modification of Nizimuddinia zanardini and Stoechospermum marginatum using 4-phenyl-3-thiosemicarbazide to improve heavy metals biosorption from water. International Journal of Environmental Science and Technology, 2018, 15, 993-1000.	1.8	3
333	Improving Cu(II) sorption by biochar via pyrolyzation under CO2: the importance of inherent inorganic species. Environmental Science and Pollution Research, 2018, 25, 5105-5114.	2.7	4
334	An ecofriendly approach for bioremediation of contaminated water environment: Potential contribution of a coastal seaweed community to environmental improvement. International Journal of Phytoremediation, 2018, 20, 256-263.	1.7	15
335	Batch and fixed-bed biosorption of Cd(II) from aqueous solution using immobilized Pleurotus ostreatus spent substrate. Chemosphere, 2018, 191, 799-808.	4.2	64
336	Quality Standards for Recycled Water: Opuntia ficus-indica as Sorbent Material. Springer Briefs in Molecular Science, 2018, , 29-47.	0.1	1
337	Recent advances in polysaccharide bio-based flocculants. Biotechnology Advances, 2018, 36, 92-119.	6.0	177
338	Development and characterization of pine bark with enhanced capacity for uptaking Cr(III) from aqueous solutions. Canadian Journal of Chemical Engineering, 2018, 96, 855-864.	0.9	12
339	Functionalization of polyacrylonitrile/Na-Y-zeolite composite with amidoxime groups for the sorption of Cu(II), Cd(II) and Pb(II) metal ions. Chemical Engineering Journal, 2018, 332, 727-736.	6.6	163
340	Phosphorus-loaded biochar changes soil heavy metals availability and uptake potential of maize (Zea) Tj ETQq1 1 0.784314 rgBT /Ove	4.2	136
341	Ultrasound-assisted xanthation of cellulose from lignocellulosic biomass optimized by response surface methodology for Pb(II) sorption. Carbohydrate Polymers, 2018, 182, 21-28.	5.1	64
342	Isolation of lead-resistant Arthrobactor strain GQ-9 and its biosorption mechanism. Environmental Science and Pollution Research, 2018, 25, 3527-3538.	2.7	23
343	Synthesis, characterization, and application of novel Zn(II)-ionic imprinted polymer for preconcentration of Zn(II) ions from aqueous solution. IOP Conference Series: Materials Science and Engineering, 2018, 349, 012064.	0.3	3
344	Dendrocalamus strictus Charcoal: An Efficient Adsorbent for Removal of Cu (II) Ions from Aqueous Solution and its Applicability in the Reduction of Genotoxic Potential of Cu (II) Ions. Water Environment Research, 2018, 90, 1964-1976.	1.3	1
345	Cavitation-Dispersion Method for Copper Cementation from Wastewater by Iron Powder. Metals, 2018, 8, 920.	1.0	17
346	Comparative Study for Biosorption of Heavy Metals from Synthetic Wastewater by Different Types of Marine Algae. Journal of Bioremediation & Biodegradation, 2018, 09, .	0.5	11

#	Article	IF	Citations
347	A Genetically Encoded Protein Polymer for Uranyl Binding and Extraction Based on the SpyTagâ€“SpyCatcher Chemistry. ACS Synthetic Biology, 2018, 7, 2331-2339.	1.9	11
348	Sodium hydroxide modified rice husk for enhanced removal of copper ions. Water Science and Technology, 2018, 78, 1615-1623.	1.2	3
349	Biosorption of Mercury by Reed (Phragmites australis) as a Potential Clean Water Technology. Water, Air, and Soil Pollution, 2018, 229, 1.	1.1	10
350	Opportunities and constraints of using the innovative adsorbents for the removal of cobalt(II) from wastewater: A review. Environmental Nanotechnology, Monitoring and Management, 2018, 10, 435-456.	1.7	41
351	Biosorption of zinc from aqueous solution by cyanobacterium Fischerella ambigua ISC67: optimization, kinetic, isotherm and thermodynamic studies. Water Science and Technology, 2018, 78, 1525-1534.	1.2	17
352	Biosorption optimization, characterization, immobilization and application of Gelidium amansii biomass for complete Pb2+ removal from aqueous solutions. Scientific Reports, 2018, 8, 13456.	1.6	78
353	Sorption studies of nickel ions onto activated carbon. AIP Conference Proceedings, 2018, , .	0.3	0
354	Copper and zinc levels in soil, water, wheat, and hair of inhabitants of three areas of the Orenburg region, Russia. Environmental Research, 2018, 166, 158-166.	3.7	18
355	Manganese (Mn2+) tolerance and biosorption by Meyerozyma guilliermondii and Meyerozyma caribbica strains. Journal of Environmental Chemical Engineering, 2018, 6, 4538-4545.	3.3	16
356	Adsorption-Oriented Processes Using Conventional and Non-conventional Adsorbents for Wastewater Treatment. Environmental Chemistry for A Sustainable World, 2018, , 23-71.	0.3	83
357	Raw walnut shell modified by non-thermal plasma in ultrafine water mist for adsorptive removal of Cu(ii) from aqueous solution. RSC Advances, 2018, 8, 21993-22003.	1.7	9
358	Functionalized soy waste biomass - A novel environmental-friendly biosorbent for the removal of heavy metals from aqueous solution. Journal of Cleaner Production, 2018, 197, 875-885.	4.6	105
359	Valorisation possibilities of exhausted biosorbents loaded with metal ions â€“ A review. Journal of Environmental Management, 2018, 224, 288-297.	3.8	162
360	Single and binary sorption of Cr(III) and Ni(II) onto modified pine bark. Environmental Science and Pollution Research, 2018, 25, 28039-28049.	2.7	16
361	Efficacy of spent black tea for the removal of nitrobenzene from aqueous media. Journal of Environmental Management, 2018, 223, 771-778.	3.8	13
362	Biosorption: An Interplay between Marine Algae and Potentially Toxic Elementsâ€”A Review. Marine Drugs, 2018, 16, 65.	2.2	308
363	Bioaccumulation and Biosorption of Mercury by Salvinia biloba Raddi (Salviniaceae). Water, Air, and Soil Pollution, 2018, 229, 1.	1.1	22
364	Insights into the Sorption Mechanisms of Cr(III) by Chemically Modified Pine Bark. Chemical Engineering and Technology, 2018, 41, 1378-1389.	0.9	15

#	Article	IF	Citations
365	Kinetics, isotherm, and optimization of the hexavalent chromium removal from aqueous solution by a magnetic nanobiosorbent. Environmental Science and Pollution Research, 2018, 25, 28654-28666.	2.7	20
366	Effect of the State of Carboxyl Groups of Pectin on the Sorption Binding of Copper Ions. Russian Journal of Physical Chemistry A, 2018, 92, 1583-1589.	0.1	16
367	Efficient removal of Co(II), Ni(II), and Zn(II) metal ions from binary and ternary solutions using a pH responsive bifunctional graft copolymer. Colloid and Polymer Science, 2018, 296, 1275-1291.	1.0	25
368	Selective biosorption of thorium (IV) from aqueous solutions by ginkgo leaf. PLoS ONE, 2018, 13, e0193659.	1.1	26
369	Brown marine macroalgae as natural cation exchangers for toxic metal removal from industrial wastewaters: A review. Journal of Environmental Management, 2018, 223, 215-253.	3.8	68
370	A Review on Heavy Metal Ions and Dye Adsorption from Water by Agricultural Solid Waste Adsorbents. Water, Air, and Soil Pollution, 2018, 229, 1.	1.1	358
371	Single and simultaneous adsorption of heavy metals onto groundnut shell biochar produced under fast and slow pyrolysis. International Journal of Environmental Science and Technology, 2019, 16, 3081-3090.	1.8	15
372	Removal of thallium in water/wastewater: A review. Water Research, 2019, 165, 114981.	5.3	86
373	Cr(VI) removal performance from aqueous solution by Pseudomonas sp. strain DC-B3 isolated from mine soil: characterization of both Cr(VI) bioreduction and total Cr biosorption processes. Environmental Science and Pollution Research, 2019, 26, 28135-28145.	2.7	21
374	Evaluating the adsorption of Ni(II) and Cu(II) on spirulina biomass by statistical physics formalism. Journal of Industrial and Engineering Chemistry, 2019, 80, 461-470.	2.9	11
375	Enhancing lithium ion capture by using a negatively overcharged biomass-based hybrid adsorbent. Journal of Environmental Chemical Engineering, 2019, 7, 103337.	3.3	6
376	Residual biomass of coffee as a binding agent in diffusive gradients in thin-films technique for Cd, Cu, Ni, Pb and Zn measurement in waters. Talanta, 2019, 205, 120148.	2.9	5
377	Adsorption performance and mechanism of a low-cost biosorbent from spent seedcake of Calophyllum inophyllum in simultaneous cleanup of potentially toxic metals from industrial wastewater. Journal of Environmental Chemical Engineering, 2019, 7, 103317.	3.3	29
378	Pectin-based adsorbents for heavy metal ions: A review. Trends in Food Science and Technology, 2019, 91, 319-329.	7.8	116
379	Adsorption of chromium by brewers spent grain -g- poly (acrylic acid-co-acryl amide) from electroplating effluent. African Journal of Pure and Applied Chemistry, 2019, 13, 64-71.	0.1	1
380	Application of Simplicillium chinense for Cd and Pb biosorption and enhancing heavy metal phytoremediation of soils. Science of the Total Environment, 2019, 697, 134148.	3.9	58
381	Green and eco-friendly nanocomposite for the removal of toxic Hg(II) metal ion from aqueous environment: Adsorption kinetics & isotherm modelling. Journal of Molecular Liquids, 2019, 279, 1-8.	2.3	119
382	Sustainable Magnetically Retrievable Nanoadsorbents for Selective Removal of Heavy Metal Ions From Different Charged Wastewaters. Separation Science and Technology, 2019, 11, 371-416.	0.0	7

#	Article	IF	Citations
383	A review on heavy metal pollution, toxicity and remedial measures: Current trends and future perspectives. Journal of Molecular Liquids, 2019, 290, 111197.	2.3	855
384	Cadmiumâ€affected synthesis of exopolysaccharides by rhizosphere bacteria. Journal of Applied Microbiology, 2019, 127, 713-723.	1.4	16
385	BiossorÃ§Ã£o de Ãons Cr(III) de soluÃ§Ãµes aquosas sintÃ©ticas e efluente de curtume utilizando a macrÃ³fita aquÃ¡tica Pistia stratiotes. Engenharia Sanitaria E Ambiental, 2019, 24, 335-346.	0.1	3
386	Application of diethylenetriamine grafted on glyoxal cross-linked chitosan composite for the effective removal of metal ions in batch system. International Journal of Biological Macromolecules, 2019, 134, 1145-1155.	3.6	21
387	An Experimental Study for the Remediation of Industrial Waste Water Using a Combination of Low Cost Mineral Raw Materials. Minerals (Basel, Switzerland), 2019, 9, 207.	0.8	6
388	Keratin and Chitosan Biosorbents for Wastewater Treatment: A Review. Journal of Polymers and the Environment, 2019, 27, 1389-1403.	2.4	52
389	Adsorption of Cd(II) in water by mesoporous ceramic functional nanomaterials. Royal Society Open Science, 2019, 6, 182195.	1.1	9
390	Mathematical modelling and simulation of packed bed column for the efficient adsorption of Cu(II) ions using modified bio-polymeric material. Journal of Environmental Chemical Engineering, 2019, 7, 103129.	3.3	9
391	Statistical evaluation of dye desorption â€“ mixed two- and three-level design and kinetic modeling. Chemical Engineering Communications, 2019, 206, 1487-1497.	1.5	1
392	A green <scp>l</scp>-cysteine modified cellulose nanocrystals biosorbent for adsorption of mercury ions from aqueous solutions. RSC Advances, 2019, 9, 6986-6994.	1.7	38
393	Copper biosorption from an aqueous solution by the dead biomass of Penicillium ochrochloron. Environmental Monitoring and Assessment, 2019, 191, 247.	1.3	19
394	Adsorption of cadmium and lead in wastewater by four kinds of biomass xanthates. Water Science and Technology, 2019, 79, 1222-1230.	1.2	8
395	Application of Wasted Oolong Tea as a Biosorbent for the Adsorption of Methylene Blue. Journal of Chemistry, 2019, 2019, 1-10.	0.9	11
396	Highly efficient extraction of thorium from aqueous solution by fungal mycelium-based microspheres fabricated via immobilization. Chemical Engineering Journal, 2019, 368, 37-50.	6.6	52
397	Spontaneous Cr(VI) and Cd(II) biosorption potential of native pinnae tissue of Pteris vittata L., a tropical invasive pteridophyte. International Journal of Phytoremediation, 2019, 21, 380-390.	1.7	9
398	Removal of oil content in oilfield produced water using chemically modified kiwi peels as efficient low-cost adsorbent. Journal of Physics: Conference Series, 2019, 1294, 052016.	0.3	3
399	Removal of oil content in oilfield produced water using chemically modified kiwi peels as efficient low-cost adsorbent. Journal of Physics: Conference Series, 2019, 1294, 072013.	0.3	12
400	Heavy Metals Removal from Aqueous Solution by Modified Natural Zeolites Using Central Composite Design. Periodica Polytechnica: Chemical Engineering, 2019, 64, 106-115.	0.5	9

#	Article	IF	Citations
401	Fabrication of nanofibers using sodium alginate and Poly(Vinyl alcohol) for the removal of Cd2+ ions from aqueous solutions: adsorption mechanism, kinetics and thermodynamics. Heliyon, 2019, 5, e02941.	1.4	49
402	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
403	Energy recovery from industrial crop wastes by dry anaerobic digestion: A review. Industrial Crops and Products, 2019, 129, 673-687.	2.5	69
404	Fabrication of methyl acrylate and tetraethylenepentamine grafted magnetic chitosan microparticles for capture of Cd(II) from aqueous solutions. Journal of Hazardous Materials, 2019, 366, 346-357.	6.5	83
405	The Effect of Environmental Factors on Total Arsenic Accumulation in Sarcodia suiae, Rhodophyta. Bulletin of Environmental Contamination and Toxicology, 2019, 102, 385-390.	1.3	11
406	Biosorption of Cu(II) from aqueous solution onto immobilized Ficus religiosa branch powder in a fixed bed column: Breakthrough curves and mathematical modeling. Korean Journal of Chemical Engineering, 2019, 36, 48-55.	1.2	7
407	Removal of Pb(II) from aqueous solutions by adsorption on magnetic bentonite. Environmental Science and Pollution Research, 2019, 26, 1315-1322.	2.7	77
408	Enhanced heavy metal ions adsorption by 4â€˜aminobenzoic acid grafted on chitosan/epichlorohydrin composite: Kinetics, isotherms, thermodynamics and desorption studies. International Journal of Biological Macromolecules, 2019, 123, 664-676.	3.6	76
409	Biotechnological application of microalgae for integrated palm oil mill effluent (POME) remediation: a review. International Journal of Environmental Science and Technology, 2019, 16, 1763-1788.	1.8	19
410	Performance of aquatic weed - Waste Myriophyllum spicatum immobilized in alginate beads for the removal of Pb(II). Journal of Environmental Management, 2019, 232, 97-109.	3.8	24
411	Superadsorbent hydrogel based on lignin and montmorillonite for Cu(II) ions removal from aqueous solution. International Journal of Biological Macromolecules, 2019, 127, 511-519.	3.6	68
412	Biosorption of reactive yellow dye by malt bagasse. Adsorption Science and Technology, 2019, 37, 236-259.	1.5	30
413	Chitinâ€halloysite nanoclay hydrogel composite adsorbent to aqueous heavy metal ions. Journal of Applied Polymer Science, 2019, 136, 47207.	1.3	25
414	Removal of ciprofloxacin from aqueous solution using wheat bran as adsorbent. Separation Science and Technology, 2019, 54, 1278-1288.	1.3	21
415	Fertlizers. , 2019, , 91-116.		10
416	Adsorption behaviours and mechanisms of heavy metal ionsâ€™ impact on municipal waste composts with different degree of maturity. Environmental Technology (United Kingdom), 2019, 40, 2962-2976.	1.2	22
417	Wheat straw decomposition stage has little effect on the removal of inorganic N and P from wastewater leached through sand-straw mixes. Environmental Technology (United Kingdom), 2020, 41, 3483-3492.	1.2	0
418	Optimization of Fe and Mn Removal from Coal Acid Mine Drainage (AMD) with Waste Biomaterials: Statistical Modeling and Kinetic Study. Waste and Biomass Valorization, 2020, 11, 1143-1157.	1.8	14

#	Article	IF	Citations
419	Competitive sorption and availability of coexisting heavy metals in mining-contaminated soil: Contrasting effects of mesquite and fishbone biochars. Environmental Research, 2020, 181, 108846.	3.7	67
420	Thermodynamic study of Iron (III) removing by the synthesized Î±-Alumina powder and evaluating the corresponding adsorption isotherm models using Response Surface Method. Arabian Journal of Chemistry, 2020, 13, 4254-4262.	2.3	8
421	Bioremediation of Toxic Heavy Metals Using Marine Algae Biomass. Environmental Chemistry for A Sustainable World, 2020, , 69-98.	0.3	10
422	Fresh Water Pollution Dynamics and Remediation. , 2020, , .		34
423	Biosorption as Environmentally Friendly Technique for Heavy Metal Removal from Wastewater. , 2020, , 167-181.		18
424	Recent advances in the recovery of metals from waste through biological processes. Bioresource Technology, 2020, 297, 122416.	4.8	85
425	Extraction behavior comparison of hydrophilic ionic liquids for chromium on humic acidâ€“microporous system. Journal of the Iranian Chemical Society, 2020, 17, 615-621.	1.2	2
426	Removal of heavy metals from industrial sludge with new plantâ€“based washing agents. Chemosphere, 2020, 246, 125816.	4.2	36
427	Effects of some industrial and organic wastes application on growth and heavy metal uptake by tomato (Lycopersicum esculentum) grown in a greenhouse condition. Environmental Science and Pollution Research, 2020, 27, 5353-5366.	2.7	11
428	Hollow SiO2 microspheres with thiol-rich surfaces: The scalable templated fabrication and their application for toxic metal ions adsorption. Materials Chemistry and Physics, 2020, 243, 122625.	2.0	9
429	Cactus material-based adsorbents for the removal of heavy metals and dyes: a review. Materials Research Express, 2020, 7, 012002.	0.8	22
430	Taguchi L16 optimization approach for simultaneous removal of Cs+ and Sr2+ ions by a novel scavenger. Ecotoxicology and Environmental Safety, 2020, 189, 110013.	2.9	13
431	Metallic elements in human hair from residents in smelting districts in northeast China: Environmental factors and differences in ingestion media. Environmental Research, 2020, 182, 108914.	3.7	14
432	Treatment of malachite green dye containing solution using bio-degradable Sodium alginate/NaOH treated activated sugarcane baggsse charcoal beads: Batch, optimization using response surface methodology and continuous fixed bed column study. Journal of Environmental Management, 2020, 276, 111272.	3.8	31
433	Effect Factor of Arsenite and Arsenate Removal by a Manufactured Material: Activated Carbon-Supported Nano-TiO₂. Journal of Chemistry, 2020, 2020, 1-12.	0.9	7
434	Preparation of grafting copolymer of acrylic acid onto loess surface and its adsorption behavior. Water Science and Technology, 2020, 82, 673-682.	1.2	1
435	Efficiency of Acacia Gummifera powder as biosorbent for simultaneous decontamination of water polluted with metals. Arabian Journal of Chemistry, 2020, 13, 7459-7481.	2.3	14
437	Remediation of Lead and Nickel Contaminated Soil Using Nanoscale Zero-Valent Iron (nZVI) Particles Synthesized Using Green Leaves: First Results. Processes, 2020, 8, 1453.	1.3	11

#	Article	IF	Citations
438	Biosorption Characteristics of Cu(II) and Cd(II) Ions by Modified Alginate. Journal of Polymers and the Environment, 2020, 28, 3221-3234.	2.4	10
439	Yerba Mate (Ilex paraguarensis) as Bio-Adsorbent for the Removal of Methylene Blue, Remazol Brilliant Blue and Chromium Hexavalent: Thermodynamic and Kinetic Studies. Water (Switzerland), 2020, 12, 2016.	1.2	6
440	The Use of Industrial Waste for the Bioremediation of Water Used in Industrial Processes. , 0, , .		1
441	The Synthesis of PbS NPs and Biosorption of Pb(II) by Shinella Zoogloeoides PQ7 in Aqueous Conditions. Water (Switzerland), 2020, 12, 2065.	1.2	6
443	Equilibrium and Kinetics Studies of Metal Ions Biosorption on Alginate Extracted from Marine Red Algae Biomass (Callithamnion corymbosum sp.). Polymers, 2020, 12, 1888.	2.0	35
444	A Biosorption-Pyrolysis Process for Removal of Pb from Aqueous Solution and Subsequent Immobilization of Pb in the Char. Water (Switzerland), 2020, 12, 2381.	1.2	6
445	Screening of Key Proteins for Strontium Adsorption by Living IrradiatedSaccharomyces cerevisiaeUsing Proteomics and Metalloproteomics Analysis. Environmental Engineering Science, 2020, 37, 803-814.	0.8	2
446	Using wastes of buckwheat processing as sorption materials for the removal of pollutants from aqueous media: a review. IOP Conference Series: Materials Science and Engineering, 2020, 945, 012044.	0.3	6
447	Membrane Biosorption: Recent Advances and Challenges. Current Pollution Reports, 2020, 6, 152-172.	3.1	12
448	Efficient use of algae biomass loaded with essential metal ions in the manufacture of feed additives. Journal of Applied Phycology, 2020, 32, 1779-1788.	1.5	12
449	Environmental Biotechnology Vol. 1. Environmental Chemistry for A Sustainable World, 2020, , .	0.3	0
450	Using Zeolite/Polyvinyl alcohol/sodium alginate nanocomposite beads for removal of some heavy metals from wastewater. Arabian Journal of Chemistry, 2020, 13, 5691-5716.	2.3	91
451	A comparative investigation of lithium(I) biosorption properties of Aspergillus versicolor and Kluyveromyces marxianus. Water Science and Technology, 2020, 81, 499-507.	1.2	8
452	An effective strategy for dual enhancements on bioethanol production and trace metal removal using Miscanthus straws. Industrial Crops and Products, 2020, 152, 112393.	2.5	13
453	Immobilization of Dithizone on Natural Bentonite as Adsorbent of Cd(II) Ion. Key Engineering Materials, 0, 840, 22-28.	0.4	1
454	Cadmium binding characterization and mechanism of a newly isolated strain <scp>Cystobasidium oligophagum QN</scp>â€ƒ. Biotechnology Progress, 2020, 36, e3029.	1.3	1
455	Hexavalent chromium sequestration from electronic waste by biomass of Aspergillus carbonarius. Bioengineered, 2020, 11, 708-717.	1.4	30
456	Development of Full-Cycle Utilization of Chlorella sorokiniana Microalgae Biomass for Environmental and Food Purposes. Energies, 2020, 13, 2648.	1.6	14

#	Article	IF	Citations
457	Low-cost adsorbents for removal of inorganic impurities from wastewater. , 2020, , 173-203.		28
458	In silico Prediction of Proteinâ€“Protein Interaction Network Induced by Manganese II in Meyerozyma guilliermondii. Frontiers in Microbiology, 2020, 11, 236.	1.5	5
459	Efficient adsorbent derived from Haloxylon recurvum plant for the adsorption of acid brown dye: Kinetics, isotherm and thermodynamic optimization. Surfaces and Interfaces, 2020, 20, 100510.	1.5	37
460	Identification and Characterization of a Novel Hyperthermostable Bifunctional Cellobiohydrolase-Xylanase Enzyme for Synergistic Effect With Commercial Cellulase on Pretreated Wheat Straw Degradation. Frontiers in Bioengineering and Biotechnology, 2020, 8, 296.	2.0	19
461	Emerging Eco-friendly Green Technologies for Wastewater Treatment. Microorganisms for Sustainability, 2020, , .	0.4	9
462	The biosorption of mercury by permeable pavement biofilms in stormwater attenuation. Science of the Total Environment, 2020, 741, 140411.	3.9	23
463	Synthesis and characterization of CDs/Al2O3 nanofibers nanocomposite for Pb2+ ions adsorption and reuse for latent fingerprint detection. Arabian Journal of Chemistry, 2020, 13, 6762-6781.	2.3	28
464	What do we know about the utilization of the Sargassum species as biosorbents of trace metals in Brazil?. Journal of Environmental Chemical Engineering, 2020, 8, 103941.	3.3	16
465	Utilization of chemically treated cashew-nut shell as potential adsorbent for removal of Pb(II) ions from aqueous solution. Scientific Reports, 2020, 10, 3343.	1.6	26
466	Adsorption of heavy metal ions by various low-cost adsorbents: a review. International Journal of Environmental Analytical Chemistry, 2022, 102, 342-379.	1.8	273
467	The facile synthesis of zoledronate functionalized hydroxyapatite amorphous hybrid nanobiomaterial and its excellent removal performance on Pb2+ and Cu2+. Journal of Hazardous Materials, 2020, 392, 122291.	6.5	42
468	Biosorption of copper by immobilized biomass of Aspergillus australensis. Effect of metal on the viability, cellular components, polyhydroxyalkanoates production, and oxidative stress. Environmental Science and Pollution Research, 2020, 27, 28545-28560.	2.7	11
469	Effective decontamination of As(V), Hg(II), and U(VI) toxic ions from water using novel muscovite/zeolite aluminosilicate composite: adsorption behavior and mechanism. Environmental Science and Pollution Research, 2020, 27, 13247-13260.	2.7	81
470	Efficiency of ozonation process with calcium peroxide in removing heavy metals (Pb, Cu, Zn, Ni, Cd) from aqueous solutions. SN Applied Sciences, 2020, 2, 1.	1.5	30
471	Synthesis of mesoporous magnetic MnFe2O4@CS-SiO2 microsphere and its adsorption performance of Zn2+ and MB studies. Journal of Environmental Management, 2020, 263, 110377.	3.8	36
472	Selectively Desirable Rapeseed and Corn Stalks Distinctive for Low-Cost Bioethanol Production and High-Active Biosorbents. Waste and Biomass Valorization, 2021, 12, 795-805.	1.8	15
473	Feasibility of radioactive cesium and europium sorption using valorized punica granatum peel: kinetic and equilibrium aspects. Separation Science and Technology, 2021, 56, 217-232.	1.3	13
474	Conventional and Current Methods of Toxic Metals Removal from Water Using g-C3N4-Based Materials. Journal of Inorganic and Organometallic Polymers and Materials, 2021, 31, 1419-1442.	1.9	27

#	Article	IF	Citations
475	A critical review on the electrospun nanofibrous membranes for the adsorption of heavy metals in water treatment. Journal of Hazardous Materials, 2021, 401, 123608.	6.5	192
476	Novel poly-D-galacturonic acid methyl ester grafted vinyl monomer polymer super green adsorbent via C-O strategic protrusion of methyl methacrylate (MMA) for removal of Sm (III) and Nd (III). Separation and Purification Technology, 2021, 258, 117474.	3.9	3
477	Cadmium biosorption by lactic acid bacteria Weissella viridescens ZY-6. Food Control, 2021, 123, 107747.	2.8	23
478	Effects of Heat and Chemical Pretreatments of Banana Peels for Metal Removal in Single and Multimetal Systems. Water, Air, and Soil Pollution, 2021, 232, 1.	1.1	5
479	Brevundimonas diminuta MYS6 associated Helianthus annuus L. for enhanced copper phytoremediation. Chemosphere, 2021, 263, 128195.	4.2	36
480	Characterization of biochars derived from various spent mushroom substrates and evaluation of their adsorption performance of Cu(II) ions from aqueous solution. Environmental Research, 2021, 196, 110323.	3.7	38
481	Bioprocessing of spent lithium ion batteries for critical metals recovery â€“ A review. Resources, Conservation and Recycling, 2021, 165, 105225.	5.3	81
482	Use of Diethylenetriamine Grafted onto Glyoxal Cross-Linked Chitosan Beads for Efficient Batch System Adsorption. Engineering Materials, 2021, , 135-157.	0.3	0
484	Removal of Heavy Metals from Water and Wastewater Using Moringa oleifera. , 0, , .		1
485	Interaction of Heavy Metal Ions With Nanomaterials. , 2021, , 1170-1183.		0
486	Adsorption Evaluation for the Removal of Nickel, Mercury, and Barium Ions from Single-Component and Mixtures of Aqueous Solutions by Using an Optimized Biobased Chitosan Derivative. Polymers, 2021, 13, 232.	2.0	21
487	Thermodynamics, Kinetics and Desorption Studies of Heavy Metal Ions by Grafted Cross-Linked Chitosan Beads Composites. Engineering Materials, 2021, , 25-45.	0.3	0
488	Synthesis and characterization of diphenylamine grafted onto sodium alginate for metal removal. International Journal of Biological Macromolecules, 2021, 167, 766-776.	3.6	12
489	Nanocomposite adsorbent-based wastewater treatment processes: Special emphasis on surface-engineered iron oxide nanohybrids. , 2021, , 867-897.		0
490	Integration of bacterial and algal metabolic repertoire in the removal of heavy metals from wastewater. , 2021, , 375-402.		1
491	Efficient Removal of Lead and Copper from Aqueous Solutions by Using Modified Polyacrylonitrile Nanofiber Membranes. Fibers and Polymers, 2021, 22, 694-702.	1.1	10
492	Potential Applications of Nanomaterials in Wastewater Treatment. , 2021, , 1230-1240.		5
493	Bioaccumulation processes for mercury removal from saline waters by green, brown and red living marine macroalgae. Environmental Science and Pollution Research, 2021, 28, 30255-30266.	2.7	4

#	Article	IF	Citations
494	Biosorption of Heavy Metals from Water onto Phenolic Foams Based on Tannins and Lignin Alkaline Liquor. International Journal of Environmental Research, 2021, 15, 369-381.	1.1	12
495	Nutshells as Efficient Biosorbents to Remove Cadmium, Lead, and Mercury from Contaminated Solutions. International Journal of Environmental Research and Public Health, 2021, 18, 1580.	1.2	18
496	Hexavalent chromium reducing bacteria: mechanism of reduction and characteristics. Environmental Science and Pollution Research, 2021, 28, 20981-20997.	2.7	42
497	Fabrication of methyl acrylate modified silica aerogel for capture of Cu2+ from aqueous solutions. Journal of Sol-Gel Science and Technology, 2021, 98, 389-400.	1.1	10
498	Biosorption of aluminum ions from aqueous solutions using non-conventional low-cost materials: A review. Journal of Water Process Engineering, 2021, 40, 101925.	2.6	30
499	Adsorption of Pb (II) ions from aqueous solutions using carbon nanotubes: A systematic review. Journal of Cleaner Production, 2021, 291, 125917.	4.6	43
500	Potentiality of newly isolated Aspergillus tubingensis in biosorption of textile dyes: equilibrium and kinetic modeling. Biomass Conversion and Biorefinery, 2023, 13, 4777-4784.	2.9	4
501	Biosorption of Cr (VI) Using Bacillus licheniformis and Bacillus mucilaginosus Krassilnikov: Contrastive Investigation on Removal Performance, Kinetics, and Mechanisms. Environmental Engineering Science, 2021, 38, 231-244.	0.8	4
502	Modification of grape pulp with citric acid for the production of natural ion exchanger resin and removal of Pb (II) and Cd (II) from aqueous solutions: kinetic, thermodynamics, and mechanism. Biomass Conversion and Biorefinery, 2023, 13, 2349-2362.	2.9	3
503	Speciation of Chromium Compounds from Zsm-5 into an Ionic Liquid. Journal of Applied Spectroscopy, 2021, 88, 332-336.	0.3	1
504	Efficiency of extremophilic microbial mats for removing Pb(II), Cu(II), and Ni(II) ions from aqueous solutions. Environmental Science and Pollution Research, 2021, 28, 53365-53378.	2.7	5
505	Application of alginate extraction residue for Al(III) ions biosorption: a complete batch system evaluation. Environmental Science and Pollution Research, 2021, 28, 51826-51840.	2.7	5
506	Bioremediation of Chromium by Microorganisms and Its Mechanisms Related to Functional Groups. Journal of Chemistry, 2021, 2021, 1-21.	0.9	34
507	Research trends of heavy metal removal from aqueous environments. Journal of Environmental Management, 2021, 287, 112322.	3.8	53
508	Sorption of Se(IV) from aqueous solution by wheat bran-hydroxyapatite (HA) composite. Environmental Science and Pollution Research, 2021, 28, 58721-58729.	2.7	1
509	Biosorption of oxybenzene using biosorbent prepared by raw wastes of Zea mays and comparative study by using commercially available activated carbon. Saudi Journal of Biological Sciences, 2021, 28, 3469-3476.	1.8	8
510	Detoxification of toxic cations Pb(II) and Cd(II) from liquid phase by employing Pennisetum glaucum biowaste: a kinetic investigation. International Journal of Phytoremediation, 2021, , 1-8.	1.7	0
511	Soil applied glycine betaine with Arbuscular mycorrhizal fungi reduces chromium uptake and ameliorates chromium toxicity by suppressing the oxidative stress in three genetically different Sorghum (Sorghum bicolor L.) cultivars. BMC Plant Biology, 2021, 21, 336.	1.6	17

#	Article	IF	Citations
512	Cr (III) Removal Capacity in Aqueous Solution in Relation to the Functional Groups Present in the Orange Peel (Citrus sinensis). Applied Sciences (Switzerland), 2021, 11, 6346.	1.3	6
513	Stress amelioration response of glycine betaine and Arbuscular mycorrhizal fungi in sorghum under Cr toxicity. PLoS ONE, 2021, 16, e0253878.	1.1	11
514	Eichhornia crassipes (Mart.) Solms (natural or carbonized) as biosorbent to remove pollutants in water. SN Applied Sciences, 2021, 3, 750.	1.5	13
515	Towards a Circular Economy: Analysis of the Use of Biowaste as Biosorbent for the Removal of Heavy Metals. Energies, 2021, 14, 5427.	1.6	21
516	Effective removal of Cd2+, Zn2+ by immobilizing the non-absorbent active catalyst by packed bed column reactor for industrial wastewater treatment. Chemosphere, 2021, 277, 130230.	4.2	8
517	Preparation and characterisation of a novel eco-friendly Bentonite/LDH material for removal of copper ions from solution. International Journal of Environmental Analytical Chemistry, 0, , 1-20.	1.8	1
518	Can the recycling of europium from contaminated waters be achieved through living macroalgae? Study on accumulation and toxicological impacts under realistic concentrations. Science of the Total Environment, 2021, 786, 147176.	3.9	14
519	Kinetic, isotherm, thermodynamic, and adsorption capacity studies of magnetic Spirulina microalgae onto zinc (<scp>II</scp>). Environmental Progress and Sustainable Energy, 2022, 41, e13751.	1.3	1
520	Labâ€scale continuous flow studies for comparative biosorption of cadmium (II) on untreated and xanthated Ficus religiosa biomass. Water Environment Research, 2021, 93, 2681-2695.	1.3	1
521	High-Performance Hydrogel Adsorbent Based on Cellulose, Hemicellulose, and Lignin for Copper(II) Ion Removal. Polymers, 2021, 13, 3063.	2.0	16
522	Continuous fixed-bed biosorption process: A review. Chemical Engineering Journal Advances, 2021, 8, 100188.	2.4	36
523	Potentials of agricultural wastes as the ultimate alternative adsorbent for cadmium removal from wastewater. A review. Scientific African, 2021, 13, e00934.	0.7	22
524	Sorption of petroleum products by chemically modified agricultural waste. IOP Conference Series: Earth and Environmental Science, 2021, 839, 042056.	0.2	0
526	Comprehensive review on synthesis and application of activated carbon from agricultural residues for the remediation of venomous pollutants in wastewater. Journal of Analytical and Applied Pyrolysis, 2021, 159, 105279.	2.6	64
527	Recent advances in adsorptive removal of heavy metal and metalloid ions by metal oxide-based nanomaterials. Coordination Chemistry Reviews, 2021, 445, 214100.	9.5	131
528	Metal-ion-binding properties of ulvan extracted from Ulva clathrata and structural characterization of its complexes. Carbohydrate Polymers, 2021, 272, 118508.	5.1	10
529	Critical review on hazardous pollutants in water environment: Occurrence, monitoring, fate, removal technologies and risk assessment. Science of the Total Environment, 2021, 797, 149134.	3.9	233
530	Alternative treatment for metal ions removal from acid mine drainage using an organic biomixture as a low cost adsorbent. Environmental Technology and Innovation, 2021, 24, 101853.	3.0	14

#	Article	IF	Citations
531	Extraction and separation of heavy rare earth elements: A review. Separation and Purification Technology, 2021, 276, 119263.	3.9	96
532	Natural, low-cost adsorbents for toxic Pb(II) ion sequestration from (waste)water: A state-of-the-art review. Chemosphere, 2022, 287, 132130.	4.2	55
533	Bioremoval capacity of Co+2 using Phormidium tenue and Chlorella vulgaris as biosorbents. Environmental Research, 2022, 204, 111630.	3.7	17
534	Removal of hexavalent Chromium-Industry treated water and Wastewater: A review. Materials Today: Proceedings, 2021, 42, 1112-1121.	0.9	36
535	Biopolymer Chitosan Membranes Prepared from Fishery Waste for the Removal of Zinc Ions from Aqueous Systems by Adsorption. Engineering Materials, 2021, , 93-114.	0.3	0
536	Natural polysaccharides as potential biosorbents for heavy metal removal. , 2021, , 627-665.		11
537	Phytoremediation of Agricultural Pollutants. Concepts and Strategies in Plant Sciences, 2020, , 27-81.	0.6	7
538	Waste Fruit Cortexes for the Removal of Heavy Metals from Water. Environmental Chemistry for A Sustainable World, 2021, , 323-350.	0.3	3
539	Recovery of Rare Earths, Precious Metals and Bioreduction of Toxic Metals from Wastewater Using Algae. Microorganisms for Sustainability, 2020, , 267-297.	0.4	2
540	Kinetic, isothermal, thermodynamic and adsorption studies on Mentha piperita using ICP-OES. Surfaces and Interfaces, 2020, 19, 100516.	1.5	19
541	Biosorption of Elements. RSC Green Chemistry, 2013, , 80-113.	0.0	2
542	Biosorption of residual cisplatin, carboplatin and oxaliplatin antineoplastic drugs in urine after chemotherapy treatment. Environmental Chemistry, 2018, 15, 506.	0.7	14
543	Removal of heavy metals by natural adsorbent: review. International Journal of Biosciences, 2014, , 130-139.	0.4	12
544	Biosorption of uranium by Bacillus sp.FB12 isolated from the vicinity of a power plant. Advances in Environmental Research, 2013, 2, 245-260.	0.3	3
545	Removal of Heavy Metal Ions from Wastewater by Chemically Modified Agricultural Waste Material as Potential Adsorbent-A Review. International Journal of Current Engineering and Technology, 2018, , .	0.0	31
546	Talaromyces aculeatus from acidic environment as a new fungal biosorbent for removal of some reactive textile dyes. Anadolu University Journal of Sciences & Technology, 0, , .	0.2	1
547	Cystoseira barbata Ä°le Toryum Biyosorpsiyonu. Deu Muhendislik Fakultesi Fen Ve Muhendislik, 2019, 21, 461-468.	0.1	2
549	UtilizaciÃ³n de subproductos agroindustriales para la bioadsorciÃ³n de metales pesados. TIP Revista Especializada En Ciencias QuÃmico-BiolÃ³gicas, 0, 23, .	0.3	5

#	Article	IF	Citations
550	AdsorciÃ³n de metales pesados en aguas residuales usando materiales de origen biolÃ³gico. Tecno LÃ³gicas, 2015, 18, 109.	0.1	41
551	Potential Applications of Nanomaterials in Wastewater Treatment. Advances in Environmental Engineering and Green Technologies Book Series, 2019, , 51-61.	0.3	27
552	Biosorption Of Ni (II) And Cd (II) Ions From Aqueous Solutions Onto Rice Straw. Chemical Sciences Journal, 2010, 1, .	0.1	18
553	Adsorptive Removal of Ni(II) from Water Using Alginate-Fixed Water Hyacinth: Effect of Organic Substances. American Journal of Analytical Chemistry, 2013, 04, 373-378.	0.3	3
554	Sesame Husk as Adsorbent for Copper(II) Ions Removal from Aqueous Solution. Journal of Geoscience and Environment Protection, 2017, 05, 109-152.	0.2	40
555	Retention Profile of Zn²⁺ and Ni²⁺ Ions from Wastewater onto Coffee Husk: Kinetics and Thermodynamic Study. Journal of Encapsulation and Adsorption Sciences, 2018, 08, 1-17.	0.3	4
556	Assessment of Surfactant Modified Activated Carbon for Improving Water Quality. Journal of Encapsulation and Adsorption Sciences, 2019, 09, 13-34.	0.3	7
557	Biosorption of some toxic metals from aqueous solution using non-living algal cells of Chlorella vulgaris. Journal of Elementology, 2016, , .	0.0	9
558	Application of natural zeolite in wastewater treatment: A review. Journal of Mining and Metallurgy Section A: Mining, 2019, 55, 67-79.	0.2	35
559	Adsorption of Cadmium (II) Ions (II) from Aqueous Solution onto Mango Leaves. Asian Journal of Physical and Chemical Sciences, 2017, 2, 1-11.	0.3	13
560	Activated Carbon Derived from Egyptian Banana Peels for Removal of Cadmium from Water. Journal of Applied Life Sciences International, 2015, 3, 77-88.	0.2	15
561	Concomitant bioremediation of chromium (VI) and pentachlorophenol from the tannery effluent by immobilized Brevibacterium casei. IOSR Journal of Engineering, 2014, 04, 29-39.	0.1	3
562	Evidence of Resistance of Heavy Metals from Bacteria Isolated from Natural Waters of a Mining Area in Mexico. Water (Switzerland), 2021, 13, 2766.	1.2	10
563	In Situ Functionalization of Iron Oxide Particles with Alginate: A Promising Biosorbent for Retention of Metal Ions. Polymers, 2021, 13, 3554.	2.0	20
564	Uptake of aqueous heavy metal ions (HMIs) by various biomasses and non-biological materials: a mini review of adsorption capacities, mechanisms and processes. International Journal of Environmental Analytical Chemistry, 0, , 1-12.	1.8	1
565	Elimination of lead from multi-component lead-nickel-cadmium solution using hyper-cross-linked polystyrene: Experimental and RSM modeling. Journal of Environmental Chemical Engineering, 2021, 9, 106579.	3.3	19
566	Sustainable preparation of Fe(OH)3 and Î±-Fe2O3 nanoparticles employing Acacia catechu extract for efficient removal of chromium (VI) from aqueous solution. Environmental Nanotechnology, Monitoring and Management, 2021, 16, 100593.	1.7	4
567	Use of Bacteria and Microalgae in Synthesis of Nanoparticles. Chemistry Journal of Moldova, 2012, 7, 32-38.	0.3	7

#	Article	IF	Citations
568	Valorization of Low-Cost Natural Materials in Depollution Processes of Wastewater. Chemistry Journal of Moldova, 2014, 9, 53-58.	0.3	1
569	Relaxometric Study Concerning the Action of A Complexant Agent on Petroleum. Global Journal of Energy Technology Research Updates, 2014, 1, 96-103.	0.2	0
570	Metal Ion Separation with Functional Adsorbents and Phytoremediation Used as Sustainable Technologies. Advances in Environmental Engineering and Green Technologies Book Series, 2017, , 284-312.	0.3	0
571	Interaction of Heavy Metal Ions With Nanomaterials. Advances in Environmental Engineering and Green Technologies Book Series, 2018, , 184-201.	0.3	0
573	Emerging Use of Plant-Based Flocculants for Industrial Wastewater Treatment: Case Study from Phosphate Clay of Metlaoui (Gafsa-Tunisia). Advances in Science, Technology and Innovation, 2018, , 1159-1160.	0.2	0
574	Performance evaluation of Azadirachta Indica (Neem Tree) bark in the remediation of Pb4 + and Cr3 + from galvanizing industrial wastewater. Advances in Multidisciplinary & Scientific Research Journal Publication, 2018, 4, 73-88.	0.0	0
575	Characterization and Evaluation of Iron Oxide Nanoparticles Prepared Using Hydrogel Template Based on Phosphonate Alginate. Nanoscience and Nanotechnology - Asia, 2019, 9, 161-171.	0.3	0
576	Kitosan-ViÅŸne Ã‡ekirdeÄŸi KabuÄŸu Pirolitik Ã‡arÄ± Kompozit BoncuklarÄ±nÄ±n Sentezi ve Karakterizasyonu: Cr(VI) Gideriminde KullanÄ±lmasÄ±. Ã‡ukurova Ãœniversitesi MÃ¼hendislik-MimarlÄ±k FakÃ¼ltesi Dergisi, 0, , 219-234.	0.1	0
577	STUDY OF SORPTION OF NICKEL ION WITH FIBROUS ADSORBENTS. Construction Materials and Products, 2020, , 12-20.	0.1	0
578	USE OF THE WALNUT SHELL (JUGLANS REGIA) AS A SORPTION MATERIAL TO REMOVE POLLUTANTS FROM NATURAL AND WASTE WATER. Khimiya Rastitel'nogo Syr'ya, 2020, , 5-18.	0.0	3
579	Ã‡Ã–REKOTU POSASI KULLANILARAK SULARDAN DEMÄ°R(III) Ä°YONUNUN GÄ°DERÄ°LMESÄ°. UludaÄŸ University Journal of the Faculty of Engineering, 0, , 961-980.	0.2	0
580	Karekterisasi, Kinetika, dan Isoterm Adsorpsi Limbah Ampas Kelapa sebagai Adsorben Ion Cu(II). Saintifik, 2020, 6, 104-115.	0.1	0
581	Cadmium removal for marine food application: comparative study of different adsorbents. International Journal of Environmental Science and Technology, 2022, 19, 8871-8884.	1.8	2
582	Electrowetting-on-dielectric (EWOD): Current perspectives and applications in ensuring food safety. Journal of Food and Drug Analysis, 2020, 28, 596-622.	0.9	9
583	Binary Biosorption of Cadmium(II) and Nickel(II) onto Planococcus sp. Isolated from Wastewater: Kinetics, Equilibrium and Thermodynamic Studies. Industrial Biotechnology, 2020, 16, 386-393.	0.5	3
584	Microbial Exopolymeric Substances for Metal Removal. Environmental Chemistry for A Sustainable World, 2020, , 225-251.	0.3	6
585	Biochar: A Growing Sanguinity as a Combinatorial Tool for Remediation of Heavy Metals from Wastewaters and Solid Waste Management. Environmental Chemistry for A Sustainable World, 2020, , 87-111.	0.3	1
586	Biosorption: A Novel Biotechnological Application for Removal of Hazardous Pollutants. , 2020, , 341-360.		2

#	Article	IF	Citations
588	A novel benzothiazole modified chitosan with excellent adsorption capacity for Au(III) in aqueous solutions. International Journal of Biological Macromolecules, 2021, 193, 1918-1926.	3.6	17
589	REMOVAL OF HEAVY METAL Cr (II), Ni (II), Cu (II), Zn (II), Cd (II), Pb (II) IONS FROM AQUEOUS SOLUTION BY MENTHA PIPERITA EXTRACT. , 2020, , 15-20.		0
590	Agricultural Waste Absorbents for Heavy Metal Removal. Environmental Chemistry for A Sustainable World, 2021, , 195-228.	0.3	10
591	Electroanalytical Techniques for the Remediation of Heavy Metals from Wastewater. Environmental Chemistry for A Sustainable World, 2021, , 471-511.	0.3	11
592	Recent advances in dye and metal ion removal using efficient adsorbents and novel nano-based materials: an overview. RSC Advances, 2021, 11, 36528-36553.	1.7	72
594	Novel green adsorbents for removal of aniline from industrial effluents: A review. Journal of Molecular Liquids, 2022, 345, 118167.	2.3	14
595	A scoping review on biochar-based fertilizers: enrichment techniques and agro-environmental application. Heliyon, 2021, 7, e08473.	1.4	47
596	Removal of Copper (II) Ions from Polluted Water Using Modified Wheat Bran. Environmental and Climate Technologies, 2021, 25, 853-864.	0.5	2
597	THE APPLICATION OF WHEAT BRAN FOR THE REMOVAL OF COPPER IONS FROM POLLUTED WATER. , 0, , .		0
598	A review on sources of heavy metals, their toxicity and removal technique using physico-chemical processes from wastewater. Environmental Science and Pollution Research, 2022, 29, 16772-16781.	2.7	32
599	Comparative Analysis on Metal Removal Potential of Exopolymeric Substances with Live and Dead Cells of Bacteria. International Journal of Environmental Research, 2022, 16, 1.	1.1	8
601	Co-cultivation, metal stress and molasses: strategies to improving exopolymeric yield and metal removal efficacy. Sustainable Environment Research, 2022, 32, .	2.1	3
602	Raphia-Microorganism Composite Biosorbent for Lead Ion Removal from Aqueous Solutions. Materials, 2021, 14, 7482.	1.3	19
603	Nanocelluloses for Removal of Heavy Metals From Wastewater. , 2022, , 1-42.		1
604	Water-soluble carboxymethyl chitosan (WSCC)-modified single-walled carbon nanotubes (SWCNTs) provide efficient adsorption of Pb(<scp>ii</scp>) from water. RSC Advances, 2022, 12, 6821-6830.	1.7	4
605	Application of Green Synthesis of Nanoparticles for Removal of Heavy Metal Ion from Industrial Waste Water. , 2022, , 59-87.		1
606	Health hazards of hexavalent chromium (Cr (VI)) and its microbial reduction. Bioengineered, 2022, 13, 4923-4938.	1.4	175
607	Phycoremediation: a means for restoration of water contamination. Environmental Sustainability, 2022, 5, 25-38.	1.4	0

#	Article	IF	Citations
608	Gas Hydrate-Based Heavy Metal Ion Removal from Industrial Wastewater: A Review. Water (Switzerland), 2022, 14, 1171.	1.2	17
609	Thermodynamic Studies of Pb(II) Ions Adsorption From Aqueous Solutions on Clay Adsorbent. , 2021, , .		0
610	Competitive adsorption of Ni(II) and Cu(II) ions from aqueous solution by vermiculite-alginate composite: batch and fixed-bed column studies. Journal of Dispersion Science and Technology, 2023, 44, 1402-1412.	1.3	9
611	Efficacy of Alkaline-Treated Soy Waste Biomass for the Removal of Heavy-Metal Ions and Opportunities for Their Recovery. Materials, 2021, 14, 7413.	1.3	11
612	USING OF BIOMASS AND WASTES OF BEANS (PHASEOLUS VULGARIS) AND PEAS (PISUM SATIVUM) PRO-CESSING AS SORPTION MATERIAL FROM POLLUTANTS REMOVING FROM WATER ENVIRONMENTS (LIT-ERATURE REVIEW). Khimiya Rastitel'nogo Syr'ya, 2021, , 47-64.	0.0	6
613	Intercalation of metalâ€“aluminum layered double hydroxides with anionic surfactants: Experimental and density functional theory studies. AIP Advances, 2022, 12, 045217.	0.6	1
614	Porous silica matrix as an efficient strategy to boosted photocatalytic performance of titania/carbon composite. Diamond and Related Materials, 2022, 125, 109027.	1.8	4
619	Sequential washing and eluent regeneration with agricultural waste extracts and residues for facile remediation of meta-contaminated agricultural soils. Science of the Total Environment, 2022, 835, 155548.	3.9	9
620	Utilisation of cement brick waste as low cost adsorbent for the adsorptive removal of copper, nickel and iron from aqueous solution: Batch and column studies. Physics and Chemistry of the Earth, 2022, 126, 103156.	1.2	7
622	Bioremoval of Yttrium (III), Cerium (III), Europium (III), and Terbium (III) from Single and Quaternary Aqueous Solutions Using the Extremophile Galdieria sulphuraria (Galdieriaceae, Rhodophyta). Plants, 2022, 11, 1376.	1.6	13
623	Biosorption of Pb and Cd onto Polygonum sachalinense. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2022, , 129210.	2.3	4
624	Biosorption of heavy metals from water: mechanism, critical evaluation and translatability of methodology. Environmental Technology Reviews, 2022, 11, 91-117.	2.1	4
625	Effect of modification of Haloxylon recurvum biomass on the sorption of acidic dye from aqueous media. Biomass Conversion and Biorefinery, 2024, 14, 4813-4827.	2.9	1
626	Nanocelluloses for Removal of Heavy Metals From Wastewater. , 2022, , 891-931.		0
627	Biosorption of uranium by immobilized Nostoc sp. and Scenedesmus sp.: kinetic and equilibrium modeling. Environmental Science and Pollution Research, 2022, 29, 83860-83877.	2.7	2
628	Investigation of clay brick waste for the removal of copper, nickel and iron from aqueous solution: batch and fixed â€“ bed column studies. Heliyon, 2022, 8, e09963.	1.4	4
629	In-vitro evaluation of indigenous probiotic lactobacilli for lead bio-adsorption potential, its tolerance and complex stability. Journal of Functional Foods, 2022, 95, 105175.	1.6	3
630	Critical analysis of the performance of pilot and industrial scale technologies for sewage reuse. Journal of Environmental Chemical Engineering, 2022, 10, 108198.	3.3	8

#	Article	IF	Citations
631	A review of artificial intelligence in water purification and wastewater treatment: Recent advancements. Journal of Water Process Engineering, 2022, 49, 102974.	2.6	36
632	Environmental and human health implications of metal(loid)s: Source identification, contamination, toxicity, and sustainable clean-up technologies. Frontiers in Environmental Science, 0, 10, .	1.5	13
633	Modeling of Hexavalent Chromium Removal with Hydrophobically Modified Cellulose Nanofibers. Polymers, 2022, 14, 3425.	2.0	6
634	Applications of Bioflocculants for Heavy Metals Removal: A Systematic Review. International Journal of Environmental Research, 2022, 16, .	1.1	5
635	Assessing Physicochemical Technologies for Removing Hexavalent Chromium from Contaminated Watersâ€"an Overview and Future Research Directions. Water, Air, and Soil Pollution, 2022, 233, .	1.1	4
636	Adsorption of Pb(II) from water by treatment with an O-hydroxyphenyl thiourea-modified chitosan. International Journal of Biological Macromolecules, 2022, 220, 280-290.	3.6	17
637	Immobilization of exopolymeric substances from bacteria for metal removal: A study on characterization, optimization, reusability and toxicity. Journal of Environmental Management, 2022, 323, 116244.	3.8	1
638	Physicochemical Patterns of the Sorption of Manganese(II) Ions by Apple Pectin Modified with Organic Pharmacophores. Russian Journal of Physical Chemistry A, 2022, 96, 1736-1741.	0.1	0
639	Peanut Shell-Derived Biochar as a Low-Cost Adsorbent to Extract Cadmium, Chromium, Lead, Copper, and Zinc (Heavy Metals) from Wastewater: Circular Economy Approach. Circular Economy and Sustainability, 2023, 3, 1045-1064.	3.3	3
640	High-Efficiency Ion Enrichment inside Ultra-Short Carbon Nanotubes. Nanomaterials, 2022, 12, 3528.	1.9	3
641	Low-Cost and Sustainable Treatment Options for Removal of Cd (II) from Drinking Water Using Indigenous Materials for Rural Communities. , 2023, , 259-273.		0
642	Removal of Hexavalent Chromium by Electrospun Silicon Dioxide Nanofibers Embedded with Copper-Based Organic Frameworks. Sustainability, 2022, 14, 13780.	1.6	4
643	Adsorption of methyl orange and chromium (VI) using Momordica charantia L. leaves: a dual functional material for environmental remediation. Journal of the Iranian Chemical Society, 2023, 20, 577-590.	1.2	6
644	The impact of activation temperature and time on the characteristics and performance of agricultural waste-based activated carbons for removing dye and residual COD from wastewater. Journal of Cleaner Production, 2023, 382, 134899.	4.6	13
646	Simultaneous toxic Cd(II) and Pb(II) encapsulation from contaminated water using Mg/Al-LDH composite materials. Journal of Molecular Liquids, 2022, 368, 120810.	2.3	37
647	Analysis of Sorption Activity of Apple Pectin Modified with Organic Pharmacophores in Relation to d-Metal Cations (Cu2+, Co2+, and Mn2+). Protection of Metals and Physical Chemistry of Surfaces, 2022, 58, 927-934.	0.3	0
648	Algae as biosorption agents for recovering environments contaminated by trace metals: an overview of a potentially useful tool for mine disasters in Brazil. , 2023, 78, 1-14.		3
649	Phytoaccumulation of zinc from contaminated soil using ornamental plants species Helianthus annuus L. and Tagetes erecta L.. International Journal of Phytoremediation, 0, , 1-17.	1.7	0

#	Article	IF	Citations
650	Consequences of Arsenic Contamination on Plants and Mycoremediation-Mediated Arsenic Stress Tolerance for Sustainable Agriculture. Plants, 2022, 11, 3220.	1.6	11
651	Hexavalent Chromium Removal from Industrial Wastewater by Adsorption and Reduction onto Cationic Cellulose Nanocrystals. Nanomaterials, 2022, 12, 4172.	1.9	9
652	Evaluating feasibility of biosorption technique for heavy metals removal: limitations and future perspective. International Journal of Environmental Analytical Chemistry, 0, , 1-25.	1.8	1
653	Immobilization of Dithizone on Magnetic Zeolite in Less Toxic Medium and its Application as Adsorbent Cd(II) Ion in Water. Materials Science Forum, 0, 1076, 133-142.	0.3	0
656	Application of Electrocoagulation for the Removal of Transition Metals in Water. Sustainability, 2023, 15, 1492.	1.6	3
657	Equilibrium, Thermodynamics, and Regeneration and Reuse of Biosorbents Developed from Pelletized Agricultural Residues for Gas Dehydration. Energy & Fuels, 2023, 37, 1451-1463.	2.5	0
658	Efficient and easily scaled-up biosorbent based on natural and chemically modified macauba (Acrocomia aculeata) to remove Al3+, Mn2+ and Fe3+ from surface water contaminated with iron mining tailings. Talanta, 2023, 256, 124273.	2.9	3
659	Isotherm and Kinetic Modeling of Hg(II) Ions Adsorption on PET-clay Adsorbent Materials. , 2022, , .		0
660	Optimization of Experimental Parameters for Co(II) Ions Biosorption onto Algae Biochars. , 2022, , .		0
661	Bioaccumulation and biosorption study of heavy metals removal by Cyanobacteria Nostoc sp.. Chemical Industry and Chemical Engineering Quarterly, 2023, 29, 291-298.	0.4	1
663	Crosslinked modified chitosan biopolymer for enhanced removal of toxic Cr(VI) from aqueous solution. International Journal of Biological Macromolecules, 2023, 234, 123719.	3.6	7
664	Highly Efficient Cd2+ Removal Using Tobermorite with pH Self-Adjustment Ability from Aqueous Solution. Materials, 2023, 16, 1314.	1.3	3
666	Pre-Treatment of Exopolymeric Substances from Bacillus cereus for Metal Removal as a Novel Strategy to Enhance Metal Biosorption. Water, Air, and Soil Pollution, 2023, 234, .	1.1	2
667	Carboxymethyl Cellulose-Based Composite Polymer Hydrogels Cross-Linked with Epichlorohydrin and Application for Cu(II) Removal. ACS Applied Polymer Materials, 2023, 5, 2070-2078.	2.0	5
668	Phycoremediation. , 2023, , 451-469.		0
669	A review of activated carbon to counteract the effect of iron toxicity on the environment. Environmental Chemistry and Ecotoxicology, 2023, 5, 86-97.	4.6	4
670	Ficus Benjamin's leaf, a native sorbent for the exclusion of Methyl violet 10B from aquatic media. Heliyon, 2023, 9, e14295.	1.4	0
671	Copper ions biosorption onto bean shells: kinetics, equilibrium, and process optimization studies. Journal of the Serbian Chemical Society, 2023, , 14-14.	0.4	1

#	Article	IF	Citations
672	Intensification of strontium (II) ion biosorption on Sargassum sp via response surface methodology. Scientific Reports, 2023, 13, .	1.6	6
673	Simultaneous Preconcentration and Determination of Cu(II), Ni(II), and Co(II) in Food and Environmental Samples by the Application of Chelate Adsorption on Amberlite XAD-1180. Food Analytical Methods, 2023, 16, 1043-1054.	1.3	1
674	A review on the industrial wastewater with the efficient treatment techniques. Chemical Papers, 2023, 77, 4131-4163.	1.0	10
675	Synthesis and Characterization of Biodegradable Poly(vinyl alcohol)-Chitosan/Cellulose Hydrogel Beads for Efficient Removal of Pb(II), Cd(II), Zn(II), and Co(II) from Water. Gels, 2023, 9, 328.	2.1	6
682	Research Progress on Removal of Heavy Metal Ions in Water by Biological and Hydrogel Sorbent Materials. Lecture Notes in Civil Engineering, 2023, , 279-293.	0.3	0
688	Biochar-based materials for adsorption of heavy metals from wastewater. , 2023, , 265-288.		0
693	Nano-Bioremediation: An Emerging Weapon for Emerging Pollutants. , 2023, , 273-291.		0
694	Biological Mineral Recovery Geothermal Fluid. , 2023, , .		1
695	Waste biomass from Pinus nigra Arn. needles as a good biosobent for Cr (VI) removal from aqueous solution. AIP Conference Proceedings, 2023, , .	0.3	0
698	Phytoremediation of Chromium from Soil and Water. Environmental Science and Engineering, 2023, , 253-291.	0.1	0
704	Bioremediation of hazardous heavy metals by marine microorganisms: a recent review. Archives of Microbiology, 2024, 206, .	1.0	0