

Physico-chemical treatment techniques for wastewa

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Radicals-catalyzed oxidation reactions for degradation of recalcitrant compounds from landfill leachate. <i>Chemical Engineering Journal</i> , 2006, 125, 35-57.	6.6	225
2	Heavy metal removal from winery wastewater in the case of restrictive discharge regulation. <i>Water Science and Technology</i> , 2007, 56, 111-120.	1.2	18
3	Selective heavy metals removal from waters by amorphous zirconium phosphate: Behavior and mechanism. <i>Water Research</i> , 2007, 41, 3103-3111.	5.3	142
4	Kinetics of the reduction of hexavalent chromium with the brown seaweed <i>Ecklonia</i> biomass. <i>Chemosphere</i> , 2007, 66, 939-946.	4.2	97
5	Sorption of Co, Cu, Ni and Zn from industrial effluents by the submerged aquatic macrophyte <i>Myriophyllum spicatum</i> L.. <i>Ecological Engineering</i> , 2007, 30, 320-325.	1.6	90
6	Structural investigation of Zn ²⁺ sorption on clinoptilolite tuff from the Vranjska Banja deposit in Serbia. <i>Microporous and Mesoporous Materials</i> , 2007, 105, 251-259.	2.2	58
7	Removal of low concentration Hg ²⁺ from natural waters by microporous and layered titanosilicates. <i>Microporous and Mesoporous Materials</i> , 2007, 103, 325-332.	2.2	59
8	Removal of tungsten oxyanions from industrial wastewater by precipitation, coagulation and flocculation processes. <i>Journal of Hazardous Materials</i> , 2007, 148, 613-615.	6.5	42
9	Preparation, characterization, and Zn ²⁺ adsorption behavior of chemically modified MCM-41 with 5-mercapto-1-methyltetrazole. <i>Journal of Colloid and Interface Science</i> , 2007, 313, 551-562.	5.0	93
10	Biological treatment of precious metal refinery wastewater: A review. <i>Minerals Engineering</i> , 2007, 20, 519-532.	1.8	102
12	Use of membranes for heavy metal cationic wastewater treatment: flotation and membrane filtration. <i>Clean Technologies and Environmental Policy</i> , 2007, 9, 189-198.	2.1	28
13	Evaluation of Dry Protonated Calcium Alginate Beads for Biosorption Applications and Studies of Lead Uptake. <i>Applied Biochemistry and Biotechnology</i> , 2007, 143, 115-128.	1.4	49
14	Experimental study on treatment of electroplating wastewater by nanofiltration. <i>Journal of Membrane Science</i> , 2007, 305, 185-195.	4.1	78
15	Electricity production during the treatment of real electroplating wastewater containing Cr ⁶⁺ using microbial fuel cell. <i>Process Biochemistry</i> , 2008, 43, 1352-1358.	1.8	242
16	Bioremoval of hexavalent chromium from water by a salt tolerant bacterium, <i>Exiguobacterium</i> sp. GS1. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2008, 35, 1571-1579.	1.4	69
17	Recent Progress on Biosorption of Heavy Metals from Liquids Using Low Cost Biosorbents: Characterization, Biosorption Parameters and Mechanism Studies. <i>Clean - Soil, Air, Water</i> , 2008, 36, 937-962.	0.7	340
18	Adsorption of Pb ²⁺ , Zn ²⁺ , and Cd ²⁺ from waters by amorphous titanium phosphate. <i>Journal of Colloid and Interface Science</i> , 2008, 318, 160-166.	5.0	65
19	Characterization of carbonated tricalcium silicate and its sorption capacity for heavy metals: A micron-scale composite adsorbent of active silicate gel and calcite. <i>Journal of Hazardous Materials</i> , 2008, 153, 775-783.	6.5	41

#	ARTICLE	IF	CITATIONS
20	Use of RO and NF for treatment of copper containing wastewaters in combination with flotation. Desalination, 2008, 221, 192-201.	4.0	44
21	Treatment of heavy metals by nanofiltration present in the lake ReghaĀa. Desalination, 2008, 221, 277-283.	4.0	12
22	Characterization and treatment of wastewater produced during the hydro-metallurgical extraction of germanium from fly ash. Desalination, 2008, 230, 162-174.	4.0	22
23	Heavy metals (Cd, Pb, Zn, Ni, Cu and Cr(III)) removal from water in Malaysia: Post treatment by high quality limestone. Bioresource Technology, 2008, 99, 1578-1583.	4.8	414
24	Heavy metal adsorbents prepared from the modification of cellulose: A review. Bioresource Technology, 2008, 99, 6709-6724.	4.8	1,064
25	Mechanism and kinetics of Cr(VI) reduction by waste slag generated from iron making industry. Hydrometallurgy, 2008, 93, 72-75.	1.8	38
26	Micellar-enhanced ultrafiltration of cadmium ions with anionicĀnonionic surfactants. Journal of Membrane Science, 2008, 320, 514-519.	4.1	67
27	Occurrence and fate of heavy metals in large wastewater treatment plants treating municipal and industrial wastewaters. Water Science and Technology, 2008, 57, 1329-1336.	1.2	39
28	Ion-Exchange Equilibria of Pb ²⁺ , Ni ²⁺ , and Cr ³⁺ Ions for H ⁺ on Amberlite IR-120 Resin. Journal of Chemical & Engineering Data, 2008, 53, 1325-1331.	1.0	28
29	Polyaspartic Acid As a New Complexing Agent in Removal of Heavy Metal Ions on Polystyrene Anion Exchangers. Industrial & Engineering Chemistry Research, 2008, 47, 6221-6227.	1.8	33
30	Wastewater Treatment, Plant Dynamics and Management in Constructed and Natural Wetlands. , 2008, , ,		15
31	Comparison of chelating ion exchange resins in sorption of copper(II) and zinc(II) complexes with ethylenediaminetetraacetic acid (EDTA) and nitrilotriacetic acid (NTA). Canadian Journal of Chemistry, 2008, 86, 958-969.	0.6	9
32	A comparative study of alginate beads and an ion-exchange resin for the removal of heavy metals from a metal plating effluent. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2008, 43, 1311-1317.	0.9	52
33	Selective Sorption of Lead, Cadmium and Zinc Ions by a Polymeric Cation Exchanger Containing Nano-Zr(HPO ₃) ₂ . Environmental Science & Technology, 2008, 42, 4140-4145.	4.6	107
34	Polymer in Agriculture: a Review. American Journal of Agricultural and Biological Science, 2008, 3, 299-314.	0.9	224
35	Alternativas para o tratamento de efluentes da indĀstria galvanĀnica. Engenharia Sanitaria E Ambiental, 2008, 13, 263-270.	0.1	11
36	Surface Modification of Activated Carbon for Enhancement of Nickel(II) Adsorption. E-Journal of Chemistry, 2008, 5, 814-819.	0.4	34
37	The efficiency of the flotation technique for the removal of nickel ions from aqueous solution. Desalination and Water Treatment, 2009, 6, 299-306.	1.0	3

#	ARTICLE	IF	CITATIONS
38	Enhancement of tannery wastewater treatment at low temperature by coagulation coupled with cationic polyacrylamide. , 2009, , .		2
39	Cadmium removal from wastewater by sponge iron sphere prepared by charcoal direct reduction. Journal of Environmental Sciences, 2009, 21, S60-S64.	3.2	26
40	Removal of Hexavalent Chromium-Contaminated Water and Wastewater: A Review. Water, Air, and Soil Pollution, 2009, 200, 59-77.	1.1	733
41	Screening of bacterial cells for biosorption of oxyanions: Application of micro-PIXE for measurement of biosorption. Hydrometallurgy, 2009, 96, 246-252.	1.8	15
42	Removing heavy metals from polluted surface water with a tannin-based flocculant agent. Journal of Hazardous Materials, 2009, 165, 1215-1218.	6.5	111
43	Enhancement strategies for Cu(II), Cr(III) and Cr(VI) remediation by a variety of seaweed species. Journal of Hazardous Materials, 2009, 166, 318-326.	6.5	45
44	The adsorption of copper in a packed-bed of chitosan beads: Modeling, multiple adsorption and regeneration. Journal of Hazardous Materials, 2009, 167, 1242-1245.	6.5	40
45	Mercury(II) removal from water by electrocoagulation using aluminium and iron electrodes. Journal of Hazardous Materials, 2009, 168, 1430-1436.	6.5	162
46	Removal of cobalt ions from aqueous solutions by polymer assisted ultrafiltration using experimental design approach. part 1: Optimization of complexation conditions. Journal of Hazardous Materials, 2009, 169, 599-609.	6.5	88
47	Selective removal of Pb(II), Cd(II), and Zn(II) ions from waters by an inorganic exchanger Zr(HPO ₃ S) ₂ . Journal of Hazardous Materials, 2009, 170, 824-828.	6.5	32
48	Characterization of novel Zea mays based biomaterial designed for toxic metals biosorption. Journal of Hazardous Materials, 2009, 172, 1206-1211.	6.5	45
49	Development of hybrid alginate/ceramic membranes for Cd ²⁺ removal. Microporous and Mesoporous Materials, 2009, 120, 154-164.	2.2	24
50	Removal of lead, copper, nickel, cobalt, and zinc from water by a cancrinite-type zeolite synthesized from fly ash. Chemical Engineering Journal, 2009, 145, 483-488.	6.6	257
51	Effect of dye auxiliaries on color and COD removal from simulated reactive dyebath effluent by electrocoagulation. Chemical Engineering Journal, 2009, 148, 89-96.	6.6	91
52	Separation of binary heavy metals from aqueous solutions by nanofiltration and characterization of the membrane using Spiegler's Kedem model. Chemical Engineering Journal, 2009, 150, 181-187.	6.6	122
53	Removal of heavy metals occurring in the washing water of flue gas purification. Chemical Engineering Journal, 2009, 150, 196-203.	6.6	13
54	Kinetics and thermodynamics of Pb(II) adsorption onto modified spent grain from aqueous solutions. Applied Surface Science, 2009, 255, 4298-4303.	3.1	84
55	Removal of zinc and nickel ions by complexation membrane filtration process from industrial wastewater. Desalination, 2009, 240, 218-226.	4.0	123

#	ARTICLE	IF	CITATIONS
56	The removal of zinc from synthetic wastewaters by micellar-enhanced ultrafiltration: statistical design of experiments. <i>Desalination</i> , 2009, 240, 262-269.	4.0	141
57	Studies of application of monodisperse anion exchangers in sorption of heavy metal complexes with IDS. <i>Desalination</i> , 2009, 239, 216-228.	4.0	25
58	Priority pollutants (Hg ²⁺ and Cd ²⁺) removal from water by ETS-4 titanosilicate. <i>Desalination</i> , 2009, 249, 742-747.	4.0	34
59	Biosorption of nickel(II) from aqueous solution by <i>Aspergillus niger</i> : Response surface methodology and isotherm study. <i>Chemosphere</i> , 2009, 75, 1483-1491.	4.2	115
60	Precipitation of heavy metals from wastewater using simulated flue gas: Sequent additions of fly ash, lime and carbon dioxide. <i>Water Research</i> , 2009, 43, 2605-2614.	5.3	338
61	Removal of refractory compounds from stabilized landfill leachate using an integrated H ₂ O ₂ oxidation and granular activated carbon (GAC) adsorption treatment. <i>Water Research</i> , 2009, 43, 4079-4091.	5.3	189
62	Monitoring of Cu, Fe, Ni, and Zn in Wastewater during Treatment in a Horizontal Rotating Tubular Bioreactor. <i>Water Environment Research</i> , 2010, 82, 183-186.	1.3	12
63	Treatment of Metals-Contaminated Soil by the Application of Lime and Grasses. , 2010, , .		2
64	Purification of uranium-containing waters by the ultra- and nanofiltration using modified montmorillonite. <i>Journal of Water Chemistry and Technology</i> , 2010, 32, 358-364.	0.2	4
65	Engineering of microorganisms towards recovery of rare metal ions. <i>Applied Microbiology and Biotechnology</i> , 2010, 87, 53-60.	1.7	99
66	Biosorption of aluminum ions onto <i>Rhodococcus opacus</i> from wastewaters. <i>Chemical Engineering Journal</i> , 2010, 161, 1-8.	6.6	33
67	Single and binary adsorption of lead and cadmium ions from aqueous solution using the clay mineral beidellite. <i>Environmental Earth Sciences</i> , 2010, 61, 231-240.	1.3	46
68	Adsorption of heavy metals by pyrimidine-derived mesoporous hybrid material. <i>Journal of Porous Materials</i> , 2010, 17, 417-424.	1.3	12
69	Effect of bacterial growth in the complexing capacity of a culture medium supplemented with cadmium(II). <i>World Journal of Microbiology and Biotechnology</i> , 2010, 26, 847-853.	1.7	3
70	Assessment of current status of zinc in wastewater treatment plants to set effluent standards for protecting aquatic organisms in Japan. <i>Environmental Monitoring and Assessment</i> , 2010, 169, 67-73.	1.3	12
71	Mass Transfer of Copper(II) in Hollow Fiber Renewal Liquid Membrane with Different Carriers. <i>Chinese Journal of Chemical Engineering</i> , 2010, 18, 346-350.	1.7	9
72	Titanate nanotubes as superior adsorbents for removal of lead(II) ions from water. <i>Materials Chemistry and Physics</i> , 2010, 123, 494-497.	2.0	16
73	Removal of heavy metals and cyanide from gold mine wastewater. <i>Journal of Chemical Technology and Biotechnology</i> , 2010, 85, 590-613.	1.6	179

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74	Removal of 4-chlorophenol from contaminated water using coconut shell waste pretreated with chemical agents. <i>Journal of Chemical Technology and Biotechnology</i> , 2010, 85, 1616-1627.	1.6	61
75	Removal of antimony (III) and antimony (V) from drinking water by ferric chloride coagulation: Competing ion effect and the mechanism analysis. <i>Separation and Purification Technology</i> , 2010, 76, 184-190.	3.9	141
76	Use of hydrous manganese dioxide as a potential sorbent for selective removal of lead, cadmium, and zinc ions from water. <i>Journal of Colloid and Interface Science</i> , 2010, 349, 607-612.	5.0	162
77	Removal of Zn ²⁺ from aqueous single metal solutions and electroplating wastewater with wood sawdust and sugarcane bagasse modified with EDTA dianhydride (EDTAD). <i>Journal of Hazardous Materials</i> , 2010, 176, 856-863.	6.5	132
78	Separation of Cd and Ni from multicomponent aqueous solutions by nanofiltration and characterization of membrane using IT model. <i>Journal of Hazardous Materials</i> , 2010, 180, 309-315.	6.5	63
79	Micellar-enhanced ultrafiltration for the removal of cadmium and zinc: Use of response surface methodology to improve understanding of process performance and optimisation. <i>Journal of Hazardous Materials</i> , 2010, 180, 524-534.	6.5	119
80	Adsorption of heavy metals onto activated carbons derived from polyacrylonitrile fiber. <i>Journal of Hazardous Materials</i> , 2010, 180, 552-560.	6.5	163
81	Extraction of Cu(II) from aqueous solutions by vegetable oil-based organic solvents. <i>Journal of Hazardous Materials</i> , 2010, 181, 868-872.	6.5	77
82	Micellar-enhanced ultrafiltration of zinc in synthetic wastewater using spiral-wound membrane. <i>Journal of Hazardous Materials</i> , 2010, 184, 261-267.	6.5	43
83	Evaluation of the efficacy of a bacterial consortium for the removal of color, reduction of heavy metals, and toxicity from textile dye effluent. <i>Bioresource Technology</i> , 2010, 101, 165-173.	4.8	257
84	Computer controlled-flow injection potentiometric system based on virtual instrumentation for the monitoring of metal-biosorption processes. <i>Analytica Chimica Acta</i> , 2010, 668, 26-34.	2.6	9
85	Application of two sites non-equilibrium sorption model for the removal of Cu(II) onto grape stalk wastes in a fixed-bed column. <i>Chemical Engineering Journal</i> , 2010, 156, 298-304.	6.6	57
86	<i>Moringa oleifera</i> A solid phase extractant for the removal of copper, nickel and zinc from aqueous solutions. <i>Chemical Engineering Journal</i> , 2010, 158, 188-199.	6.6	89
87	Obtaining sodium chromate from ash produced by thermal treatment of leather wastes. <i>Chemical Engineering Journal</i> , 2010, 160, 8-12.	6.6	23
88	Adsorption of Co(II) and Ni(II) by EDTA- and/or DTPA-modified chitosan: Kinetic and equilibrium modeling. <i>Chemical Engineering Journal</i> , 2010, 161, 73-82.	6.6	377
89	Rinsed and thermally treated red mud sorbents for aqueous Ni ²⁺ ions. <i>Chemical Engineering Journal</i> , 2010, 162, 75-83.	6.6	47
90	Study on adsorption mechanism of Pb(II) and Cu(II) in aqueous solution using PS-EDTA resin. <i>Chemical Engineering Journal</i> , 2010, 163, 364-372.	6.6	93
91	Phytoremediation of Cr(III) by <i>Ipomoea aquatica</i> (water spinach) from water in the presence of EDTA and chloride: Effects of Cr speciation. <i>Bioresource Technology</i> , 2010, 101, 3033-3039.	4.8	49

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92	Comparison of copper adsorption from aqueous solution using modified and unmodified <i>Hevea brasiliensis</i> saw dust. <i>Desalination</i> , 2010, 255, 165-174.	4.0	69
93	Retention of Cu(II) and Ni(II) polyaminocarboxylate complexes by ultrafiltration assisted with polyamines. <i>Desalination</i> , 2010, 258, 87-92.	4.0	54
94	Bacterial Bioluminescent Biosensor Characterisation for On-line Monitoring of Heavy Metals Pollutions in Waste Water Treatment Plant Effluents. , 2010, , .		6
95	Biosorption in Environmental Remediation. , 2010, , 35-99.		11
96	Modification of Pineapple Peel Fiber as Metal Ion Adsorbent through Reaction with Succinic Anhydride in Pyridine and Dimethyl Sulfoxide Solvents. <i>Water Environment Research</i> , 2010, 82, 733-741.	1.3	11
97	Cooperative Processing of Electroplating Wastewater with Pickling Waste Liquor to Synthesize Ferrite by Microwave Hydrothermal Process. <i>International Conference on Bioinformatics and Biomedical Engineering: [proceedings] International Conference on Bioinformatics and Biomedical Engineering</i> , 2010, . .	0.0	0
98	Aquatic phytoremediation: Novel insights in tropical and subtropical regions. <i>Pure and Applied Chemistry</i> , 2010, 82, 27-38.	0.9	32
99	Selective Removal of Cu(II) Ions by Using Cation-exchange Resin-Supported Polyethyleneimine (PEI) Nanoclusters. <i>Environmental Science & Technology</i> , 2010, 44, 3508-3513.	4.6	207
100	Highly efficient removal of heavy metals by polymer-supported nanosized hydrated Fe(III) oxides: Behavior and XPS study. <i>Water Research</i> , 2010, 44, 815-824.	5.3	233
101	Biological processes for treatment of landfill leachate. <i>Journal of Environmental Monitoring</i> , 2010, 12, 2032.	2.1	114
102	Removal of trace Cd ²⁺ using continuous multistage ion foam fractionation: Part I – The effect of feed SDS/Cd molar ratio. <i>Journal of Hazardous Materials</i> , 2010, 182, 812-819.	6.5	44
103	Cu(II), Zn(II), Ni(II), and Cd(II) Complexes with HEDP Removal from Industrial Effluents on Different Ion Exchangers. <i>Industrial & Engineering Chemistry Research</i> , 2010, 49, 2388-2400.	1.8	26
104	Removal of Co(II) from aqueous solutions by NKC-9 strong acid resin. <i>Transactions of Nonferrous Metals Society of China</i> , 2010, 20, 1141-1147.	1.7	8
105	Detoxification of chromium-containing slag by <i>Achromobacter</i> sp. CH-1 and selective recovery of chromium. <i>Transactions of Nonferrous Metals Society of China</i> , 2010, 20, 1500-1504.	1.7	14
106	Duckweed and Algae Ponds as a Post-Treatment for Metal Removal from Textile Wastewater. , 2010, , 63-75.		1
107	Bioremediation Technology. , 2010, , .		15
108	Effective Self-Purification of Polynary Metal Electroplating Wastewaters through Formation of Layered Double Hydroxides. <i>Environmental Science & Technology</i> , 2010, 44, 8884-8890.	4.6	61
109	Treatment of Contaminated Water Laden with 4-Chlorophenol using Coconut Shell Waste-Based Activated Carbon Modified with Chemical Agents. <i>Separation Science and Technology</i> , 2011, 46, 460-472.	1.3	59

#	ARTICLE	IF	CITATIONS
110	Modification of pineapple peel fibre with succinic anhydride for Cu ²⁺ , Cd ²⁺ and Pb ²⁺ removal from aqueous solutions. Environmental Technology (United Kingdom), 2011, 32, 739-746.	1.2	48
111	ZeroWasteWater: short-cycling of wastewater resources for sustainable cities of the future. International Journal of Sustainable Development and World Ecology, 2011, 18, 253-264.	3.2	195
112	Improvement of the Identification of Four Heavy Metals in Environmental Samples by Using Predictive Decision Tree Models Coupled with a Set of Five Bioluminescent Bacteria. Environmental Science & Technology, 2011, 45, 2925-2931.	4.6	72
114	Heavy Metals Removal Using Adsorption and Nanofiltration Techniques. Separation and Purification Reviews, 2011, 40, 209-259.	2.8	114
115	Whole-cell bacterial biosensors for rapid and effective monitoring of heavy metals and inorganic pollutants in wastewater. Journal of Environmental Monitoring, 2011, 13, 2914.	2.1	25
116	Physicochemical Technologies for Remediation of Chromium-Containing Waters and Wastewaters. Critical Reviews in Environmental Science and Technology, 2011, 41, 1111-1172.	6.6	137
118	Fuzzy Inference System for Modeling of Zinc Removal Using Micellar-Enhanced Ultrafiltration. Separation Science and Technology, 2011, 46, 1571-1581.	1.3	7
119	Cellulosic substrates for removal of pollutants from aqueous systems: A review. 1. Metals. BioResources, 2011, 6, 2161-2287.	0.5	136
120	Biossorção de metais presentes na DAM utilizando Rhodococcus opacus. Revista Escola De Minas, 2011, 64, 487-492.	0.1	7
121	Overview Management Chemical Residues of Laboratories in Academic Institutions in Brazil. , 2011, , .		0
122	Heavy Metal Ion Removal Characteristics of Monodisperse Macroporous Beads with Anion-Exchanger Molecular Brushes. Adsorption Science and Technology, 2011, 29, 847-859.	1.5	2
123	Adsorption of Pb(II), Zn(II) and Cr(III) on coal fly ash porous pellets. Minerals Engineering, 2011, 24, 1495-1501.	1.8	63
124	Screening of factors influencing Cu(II) extraction by soybean oil-based organic solvents using fractional factorial design. Journal of Environmental Management, 2011, 92, 2580-2585.	3.8	45
125	Cadmium removal from wastewater by sponge iron sphere prepared by hydrogen reduction. Journal of Environmental Sciences, 2011, 23, S114-S118.	3.2	27
126	New trends in removing heavy metals from industrial wastewater. Arabian Journal of Chemistry, 2011, 4, 361-377.	2.3	2,268
127	Effective removal of zinc from aqueous solution by hydrocalumite. Chemical Engineering Journal, 2011, 175, 33-38.	6.6	58
128	Clearance and recovery of Cd(II) from aqueous solution by magnetic separation technology. Chemosphere, 2011, 83, 1214-1219.	4.2	6
129	Synthesis and characterization of poly(hydroxamic acid)-poly(amidoxime) chelating ligands from polymer-grafted acacia cellulose. Journal of Applied Polymer Science, 2012, 124, 4443-4451.	1.3	7

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130	Optimization of Cu(II) Extraction from Aqueous Solutions by Soybean-Oil-Based Organic Solvent Using Response Surface Methodology. <i>Water, Air, and Soil Pollution</i> , 2011, 217, 567-576.	1.1	19
131	Effect of the synthesis temperature of sodium nonatitanate on batch kinetics of strontium-ion adsorption from aqueous solution. <i>Adsorption</i> , 2011, 17, 967-975.	1.4	18
132	A multi-channel bioluminescent bacterial biosensor for the on-line detection of metals and toxicity. Part I: design and optimization of bioluminescent bacterial strains. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 400, 1051-1060.	1.9	40
133	Removal of Cu(II) from water by tetrakis(4-carboxyphenyl) porphyrin-functionalized mesoporous silica. <i>Journal of Hazardous Materials</i> , 2011, 185, 1311-1317.	6.5	51
134	Enhancing the electrochemical Cr(VI) reduction in aqueous solution. <i>Journal of Hazardous Materials</i> , 2011, 185, 1362-1368.	6.5	39
135	Selection of design parameters and optimization of operating parameters of soybean oil-based bulk liquid membrane for Cu(II) removal and recovery from aqueous solutions. <i>Journal of Hazardous Materials</i> , 2011, 190, 197-204.	6.5	33
136	Positively charged nanofiltration membrane formed by interfacial polymerization of 3,3'-di(4-vinylphenyl) tetraacyl chloride and piperazine on a poly(acrylonitrile) (PAN) support. <i>Journal of Membrane Science</i> , 2011, 378, 243-249.	4.1	107
137	Synthesis and characterization of a series of chelating resins containing amino/imino-carboxyl groups and their adsorption behavior for lead in aqueous phase. <i>Chemical Engineering Journal</i> , 2011, 168, 115-124.	6.6	54
138	Metal ion separation and recovery from environmental sources using various flotation and sorption techniques. <i>Journal of Chemical Technology and Biotechnology</i> , 2011, 86, 335-344.	1.6	103
139	Ion and ionic current sinks for electrodeionization of simulated cadmium plating rinse waters. <i>Environmental Progress and Sustainable Energy</i> , 2011, 30, 37-43.	1.3	18
140	Reduction of Cr(VI) to Cr(III) and removal of total chromium from wastewater using scrap iron in the form of zerovalent iron(ZVI): Batch and column studies. <i>Canadian Journal of Chemical Engineering</i> , 2011, 89, 1575-1582.	0.9	28
141	Application of Agro-Based Biomasses for Zinc Removal from Wastewater – A Review. <i>Clean - Soil, Air, Water</i> , 2011, 39, 641-652.	0.7	47
142	Removal of Heavy Metals from Synthetic Mixture as well as Pharmaceutical Sample Via Cation Exchange Resin Modified with Rhodamine B: Its Thermodynamic and Kinetic Studies. <i>Clean - Soil, Air, Water</i> , 2011, 39, 1120-1128.	0.7	28
143	Efficiency, stoichiometry and structural studies of Cu(II) removal from aqueous solutions using di-2-ethylhexylphosphoric acid and tributylphosphate diluted in soybean oil. <i>Chemical Engineering Journal</i> , 2011, 166, 249-255.	6.6	39
144	Application of strongly basic anion exchangers for removal of heavy metal ions in the presence of green chelating agent. <i>Chemical Engineering Journal</i> , 2011, 168, 994-1007.	6.6	21
145	Adsorbent biopolymers from tannin extracts for water treatment. <i>Chemical Engineering Journal</i> , 2011, 168, 1241-1247.	6.6	68
146	Improving separation capability of regenerated cellulose ultrafiltration membrane by surface modification. <i>Applied Surface Science</i> , 2011, 257, 4870-4876.	3.1	28
147	Hypercrosslinked microporous polymer networks for effective removal of toxic metal ions from water. <i>Microporous and Mesoporous Materials</i> , 2011, 138, 207-214.	2.2	129

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148	Surface functional groups and redox property of modified activated carbons. Mining Science and Technology, 2011, 21, 181-184.	0.3	7
149	Removal of heavy metal ions from wastewaters: A review. Journal of Environmental Management, 2011, 92, 407-418.	3.8	6,428
150	Application of experimental design approach and artificial neural network (ANN) for the determination of potential micellar-enhanced ultrafiltration process. Journal of Hazardous Materials, 2011, 187, 67-74.	6.5	87
151	Effect of anions on removing Cu ²⁺ , Mn ²⁺ and Zn ²⁺ in electrocoagulation process using aluminum electrodes. Journal of Hazardous Materials, 2011, 189, 572-576.	6.5	60
152	Immobilization of polyethylenimine nanoclusters onto a cation exchange resin through self-crosslinking for selective Cu(II) removal. Journal of Hazardous Materials, 2011, 190, 1037-1044.	6.5	55
153	Fuzzy modeling and simulation for lead removal using micellar-enhanced ultrafiltration (MEUF). Journal of Hazardous Materials, 2011, 192, 585-592.	6.5	52
154	Flux decline during cross flow membrane filtration of electrolytic solution in presence of charged nano-colloids: A simple electrokinetic model. Journal of Colloid and Interface Science, 2011, 353, 530-536.	5.0	11
155	Removal of hexavalent chromium by electrochemical reduction-precipitation: Investigation of process performance and reaction stoichiometry. Separation and Purification Technology, 2011, 76, 345-350.	3.9	117
156	Effect of Chromium and Calcium on Hydrothermal Ferrite Process in Simulation Complex System. , 2011, , .		0
157	Adsorption Characteristics of Cu ²⁺ onto Zeolite from Pharmaceutical Industrial Wastewater. , 2011, , .		0
158	Synthesis, Characterization, and Adsorption Kinetic Studies of Ethylenediamine Modified Cellulose for Removal of Cd and Pb. Analytical Letters, 2011, 44, 1925-1936.	1.0	40
159	Removal of copper from aqueous solution with phosphate rocks. , 2011, , .		0
160	Influence of Physical and Chemical Parameters on the Treatment of Heavy Metals in Polluted Stormwater Using Zeolite- A Review. Journal of Water Resource and Protection, 2011, 03, 758-767.	0.3	43
161	Study on the Effect of Carboxyl Bagasse Hemicellulose on Heavy Metal Adsorption. Advanced Materials Research, 2011, 415-417, 1630-1636.	0.3	1
162	Notice of Retraction: Effect of Cu Substitution on Ni-Zn Ferrite by Microwave Hydrothermal Method. , 2011, , .		1
163	Biosorption of lead contaminated wastewater using cattails (Typha angustifolia) leaves: Kinetic studies. Journal of the Serbian Chemical Society, 2011, 76, 1037-1047.	0.4	14
164	Study on the Effect of Amphoteric Bagasse Hemicellulose on Heavy Metal Adsorption. Advanced Materials Research, 2011, 399-401, 1282-1288.	0.3	3
165	The Synthesis of Cross-Linked Poly Aspartic Acid and Study on Control of the Calcium Carbonate Crystal Morphology. Advanced Materials Research, 2012, 608-609, 1433-1436.	0.3	0

#	ARTICLE	IF	CITATIONS
166	Stormwater Reuse via Aquifer Storage and Recovery: Risk Assessment for Sandy Aquifers. <i>Climate Change Management</i> , 2012, , 17-42.	0.6	1
167	Heavy Metal Removal Through Biosorptive Pathways. , 2012, , 95-145.		12
168	Treatment of the Processing Wastewaters Containing Heavy Metals with the Method Based on Flotation. <i>Ecological Chemistry and Engineering S</i> , 2012, 19, 433-438.	0.3	10
169	Fouling Control of Membranes with Pretreatment. , 2012, , 533-580.		0
170	Optimization of nickel removal using liquidâ€“liquid extraction and response surface methodology. <i>Desalination and Water Treatment</i> , 2012, 47, 334-340.	1.0	30
171	Rapid Removal of Cu(II) Ion by Chemically Modified Rubber Wood Fiber. <i>Environmental Engineering Science</i> , 2012, 29, 101-107.	0.8	6
172	Highly efficient removal of Cu(II), Zn(II), Ni(II) and Fe(II) from electroplating wastewater using sulphide from sulphidogenic bioreactor effluent. <i>Environmental Technology (United Kingdom)</i> , 2012, 33, 1709-1715.	1.2	17
173	Nature Is the Answer: Water and Wastewater Treatment by New Natural-Based Agents. , 2012, , 337-375.		5
174	Membrane Processes for Wastewater Treatment. , 2012, , 169-216.		1
175	Treatment of underground water in open flow and closed-loop fixed bed systems by utilizing the natural minerals clinoptilolite and vermiculite. <i>Desalination and Water Treatment</i> , 2012, 39, 215-227.	1.0	11
176	Membrane contactors (NDSX and EPT): an innovative alternative for the treatment of effluents containing metallic pollutants. <i>International Journal of Environment and Waste Management</i> , 2012, 9, 201.	0.2	7
177	Treatment of metal plating wastewater by electrocoagulation. <i>Environmental Progress and Sustainable Energy</i> , 2012, 31, 340-350.	1.3	43
178	Waste calcite sludge as an adsorbent for the removal of cadmium, copper, lead, and zinc from aqueous solutions. <i>Clean Technologies and Environmental Policy</i> , 2012, 14, 845-855.	2.1	58
179	Optimization of electrocoagulation process for the simultaneous removal of mercury, lead, and nickel from contaminated water. <i>Environmental Science and Pollution Research</i> , 2012, 19, 2734-2744.	2.7	66
180	Prediction of MEUF process performance using artificial neural networks and ANFIS approaches. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2012, 43, 558-565.	2.7	55
181	Artificial Neural Network Modeling for Biosorption of Pb (II) Ions on Nanocellulose Fibers. <i>BioNanoScience</i> , 2012, 2, 153-160.	1.5	25
184	Highly Efficient Enzyme-Functionalized Porous Zirconia Microtubes for Bacteria Filtration. <i>Environmental Science & Technology</i> , 2012, 46, 8739-8747.	4.6	63
185	Bench-scale study of active mine water treatment using cement kiln dust (CKD) as a neutralization agent. <i>Water Research</i> , 2012, 46, 327-334.	5.3	65

#	ARTICLE	IF	CITATIONS
186	Removal of Cr, Mn, and Co from Textile Wastewater by Horizontal Rotating Tubular Bioreactor. <i>Environmental Science & Technology</i> , 2012, 46, 10690-10696.	4.6	30
187	Studies on adsorptions of metallic ions in water by zirconium glyphosate (ZrGP): Behaviors and mechanisms. <i>Applied Surface Science</i> , 2012, 258, 2551-2561.	3.1	10
188	Removal of copper and cadmium from aqueous solution using switchgrass biochar produced via hydrothermal carbonization process. <i>Journal of Environmental Management</i> , 2012, 109, 61-69.	3.8	427
189	Biosorption of Cr(III) and Fe(III) in single and binary systems onto pretreated orange peel. <i>Journal of Environmental Management</i> , 2012, 112, 120-127.	3.8	91
190	Batch cadmium(II) biosorption by an industrial residue of macrofungal biomass (<i>Clitopilus</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 582 Td	6.6	22
191	Extraction and recycling utilization of metal ions (Cu ²⁺ , Co ²⁺ and Ni ²⁺) with magnetic polymer beads. <i>Chemical Engineering Journal</i> , 2012, 200-202, 104-112.	6.6	51
192	Adsorption performance and mechanism of Cr(VI) using magnetic PS-EDTA resin from micro-polluted waters. <i>Chemical Engineering Journal</i> , 2012, 200-202, 480-490.	6.6	45
193	Characteristics of heavy metals capturing agent dithiocarbamate (DTC) for treatment of ethylene diamine tetraacetic acid@Cu (EDTA@Cu) contaminated wastewater. <i>Chemical Engineering Journal</i> , 2012, 209, 547-557.	6.6	61
194	Heavy metal removal in duckweed and algae ponds as a polishing step for textile wastewater treatment. <i>Ecological Engineering</i> , 2012, 44, 102-110.	1.6	141
195	Preparation, performance and adsorption activity of TiO ₂ nanoparticles entrapped PVDF hybrid membranes. <i>Applied Surface Science</i> , 2012, 263, 660-665.	3.1	64
196	Magnetically recoverable Ni@carbon nanocomposites: Solid-state synthesis and the application as excellent adsorbents for heavy metal ions. <i>Applied Surface Science</i> , 2012, 263, 795-803.	3.1	41
197	Efficient removal of dyes by a novel magnetic Fe ₃ O ₄ /ZnCr-layered double hydroxide adsorbent from heavy metal wastewater. <i>Journal of Hazardous Materials</i> , 2012, 243, 152-160.	6.5	118
198	Optimization of zeolite-based adsorbent composition for fabricating reliable Raschig ring shaped by extrusion using Weibull statistical theory. <i>Microporous and Mesoporous Materials</i> , 2012, 163, 65-75.	2.2	10
199	Heavy metal ion hydrogelation of a self-assembling peptide@cysteiny l chelation. <i>Journal of Materials Chemistry</i> , 2012, 22, 1352-1357.	6.7	65
200	Nano-adsorbents for Remediation of Aquatic Environment: Local and Practical Solutions for Global Water Pollution Problems. <i>Critical Reviews in Environmental Science and Technology</i> , 2012, 42, 1233-1295.	6.6	135
201	Adsorption of Methylene Blue from Aqueous Solution on High Lime Fly Ash: Kinetic, Equilibrium, and Thermodynamic Studies. <i>Journal of Dispersion Science and Technology</i> , 2012, 33, 15-23.	1.3	19
202	An Effective Electrochemical Cr(VI) Removal Contained in Electroplating Industry Wastewater and the Chemical Characterization of the Sludge Produced. <i>Industrial & Engineering Chemistry Research</i> , 2012, 51, 5905-5910.	1.8	21
203	Advances in Water Treatment and Pollution Prevention. , 2012, , .		41

#	ARTICLE	IF	CITATIONS
204	Micellar Enhanced Ultrafiltration as a Method of Removal of Chromium(III) Ions from Aqueous Solutions. Separation Science and Technology, 2012, 47, 802-810.	1.3	13
205	Chemistry of Phytopotentials: Health, Energy and Environmental Perspectives. , 2012, , .		8
206	Photocatalytic reduction of Cr(VI) from agricultural soil column leachates using zinc oxide under UV light irradiation. Environmental Technology (United Kingdom), 2012, 33, 2673-2680.	1.2	15
207	CELLULOSIC SUBSTRATES FOR REMOVAL OF POLLUTANTS FROM AQUEOUS SYSTEMS: A REVIEW. 2. DYES. BioResources, 2012, 7, .	0.5	65
208	Removal of Cd(II) from aqueous solution by using polyaniline/polystyrene nanocomposite. Journal of Vinyl and Additive Technology, 2012, 18, 52-56.	1.8	8
209	Poly(<i>N</i> -isopropylacrylamide)-Based Microgels and Their Assemblies for Organic Molecule Removal from Water. ChemPhysChem, 2012, 13, 2507-2515.	1.0	34
210	Optimization of lead removal from aqueous solution by micellar-enhanced ultrafiltration process using Box-Behnken design. Korean Journal of Chemical Engineering, 2012, 29, 804-811.	1.2	15
211	Characterisation of metal-complexing membranes prepared by the semi-interpenetrating polymer networks technique. Application to the removal of heavy metal ions from aqueous solutions. Chemical Engineering Journal, 2012, 187, 16-28.	6.6	53
212	Electrocoagulation of heavy metals containing model wastewater using monopolar iron electrodes. Separation and Purification Technology, 2012, 86, 248-254.	3.9	184
213	Study of permeate flux in micellar-enhanced ultrafiltration on a semi-pilot scale: Simultaneous removal of heavy metals from phosphorous rich real wastewaters. Separation and Purification Technology, 2012, 93, 59-66.	3.9	31
214	Heavy metal removal from water/wastewater by nanosized metal oxides: A review. Journal of Hazardous Materials, 2012, 211-212, 317-331.	6.5	1,767
215	Removal of lead by using Raschig rings manufactured with mixture of cement kiln dust, zeolite and bentonite. Journal of Hazardous Materials, 2012, 223-224, 13-23.	6.5	24
216	Hydrated lime for metals immobilization and explosives transformation: Treatability study. Journal of Hazardous Materials, 2012, 215-216, 280-286.	6.5	10
217	Removal of Copper, Nickel, and Zinc Ions from Electroplating Rinse Water. Clean - Soil, Air, Water, 2012, 40, 66-79.	0.7	38
218	Waste biomass adsorbents for copper removal from industrial wastewater – A review. Journal of Hazardous Materials, 2013, 263, 322-333.	6.5	444
219	TEMPO-oxidized cellulose hydrogel as a high-capacity and reusable heavy metal ion adsorbent. Journal of Hazardous Materials, 2013, 260, 195-201.	6.5	132
220	Heavy metals removal from aqueous solutions and wastewaters by using various byproducts. Journal of Environmental Management, 2013, 128, 514-521.	3.8	90
221	Removal and speciation of chromium by static step-by-step deposition and extraction technique. Chemical Engineering Journal, 2013, 230, 210-219.	6.6	10

#	ARTICLE	IF	CITATIONS
222	A one-step electrochlorination/electroflotation process for the treatment of heavy metals wastewater in presence of EDTA. <i>Chemical Engineering and Processing: Process Intensification</i> , 2013, 70, 110-116.	1.8	44
223	Recyclability of poly (N-isopropylacrylamide) microgel-based assemblies for organic dye removal from water. <i>Colloid and Polymer Science</i> , 2013, 291, 1795-1802.	1.0	33
224	Recycle adsorption of Cu ²⁺ on amine-functionalized mesoporous silica monolithic. <i>Chemical Research in Chinese Universities</i> , 2013, 29, 793-797.	1.3	8
225	Study on optimal conditions and adsorption kinetics of copper from water by collodion membrane cross-linked poly- β -glutamic acid. <i>Korean Journal of Chemical Engineering</i> , 2013, 30, 1295-1300.	1.2	1
226	Fundamental aspects of copper and zinc removal from aqueous solutions using a <i>Streptomyces lunalinhaesii</i> strain. <i>Minerals Engineering</i> , 2013, 48, 44-50.	1.8	33
227	Using nanofiltration in a "zero-rejection" process: the removal of Ni ²⁺ and Co ²⁺ from salty wastewater. <i>Desalination and Water Treatment</i> , 2013, 51, 476-484.	1.0	10
228	A novel bisphosphonate-based solid phase method for effective removal of chromium(iii) from aqueous solutions and tannery effluents. <i>RSC Advances</i> , 2013, 3, 14132.	1.7	21
229	Kinetic and equilibrium study for cadmium and copper removal from aqueous solutions by sorption onto mixed alginate/pectin gel beads. <i>Journal of Environmental Chemical Engineering</i> , 2013, 1, 1252-1260.	3.3	44
230	Reduction of Cr(VI) into Cr(III) by <i>Spirulina</i> dead biomass in aqueous solution: Kinetic studies. <i>Chemosphere</i> , 2013, 93, 1366-1371.	4.2	37
231	Green Materials for Energy, Products and Depollution. <i>Environmental Chemistry for A Sustainable World</i> , 2013, , .	0.3	20
232	Statistical optimization and kinetic studies on removal of Zn ²⁺ using functionalized carbon nanotubes and magnetic biochar. <i>Journal of Environmental Chemical Engineering</i> , 2013, 1, 486-495.	3.3	96
233	Inorganic-organic hybrids presenting high basic center content: SBA-15 incorporation, toxic metals sorption and energetic behavior. <i>Materials Research Bulletin</i> , 2013, 48, 1045-1056.	2.7	21
234	Kinetics, energy characteristics, and intensification of crystallization processes in chemical precipitation of hardness ions. <i>Theoretical Foundations of Chemical Engineering</i> , 2013, 47, 505-523.	0.2	27
235	Bioremediation of copper-containing wastewater by sulfate reducing bacteria coupled with iron. <i>Journal of Environmental Management</i> , 2013, 129, 350-356.	3.8	37
236	Removal of heavy metals from aqueous solution by lipopeptides and lipopeptides modified Na-montmorillonite. <i>Bioresource Technology</i> , 2013, 147, 378-386.	4.8	54
237	Remediation studies of trace metals in natural and treated water using surface modified biopolymer nanofibers. <i>Physics and Chemistry of the Earth</i> , 2013, 66, 45-50.	1.2	16
238	A comparison on efficiency of virgin and sulfurized agro-based adsorbents for mercury removal from aqueous systems. <i>Adsorption</i> , 2013, 19, 189-200.	1.4	18
239	ZnO-NiO nanocomposites as highly recyclable adsorbent for effective removal of Pb(II) and Cd(II) from aqueous solution. , 2013, , .		0

#	ARTICLE	IF	CITATIONS
240	Combining "chimie douce" and green principles for the developing world: Improving industrial viability of photocatalytic water remediation. <i>Chemical Engineering Science</i> , 2013, 102, 283-288.	1.9	18
241	Plate column biosorption of Cu(II) on membrane-type biosorbent (MBS) of <i>Penicillium</i> biomass: Optimization using statistical design methods. <i>Bioresource Technology</i> , 2013, 143, 490-498.	4.8	22
242	Removal of Cd ²⁺ from water by Friedel's salt (FS: 3CaO·Al ₂ O ₃ ·CaCl ₂ ·10H ₂ O): Sorption characteristics and mechanisms. <i>Journal of Environmental Sciences</i> , 2013, 25, 1719-1725.	3.2	16
243	Reuse of washing effluent containing oxalic acid by a combined precipitation-acidification process. <i>Chemosphere</i> , 2013, 90, 1526-1532.	4.2	19
244	Identification of toxicity variations in a stream affected by industrial effluents using <i>Daphnia magna</i> and <i>Ulva pertusa</i> . <i>Journal of Hazardous Materials</i> , 2013, 260, 1042-1049.	6.5	22
245	Comparison of polymeric and ceramic membranes performance in the process of micellar enhanced ultrafiltration of cadmium(II) ions from aqueous solutions. <i>Chemical Papers</i> , 2013, 67, .	1.0	11
246	Enhanced Performance of Hexavalent Chromium Reducing Cathodes in the Presence of <i>Shewanella oneidensis</i> MR-1 and Lactate. <i>Environmental Science & Technology</i> , 2013, 47, 4512-4520.	4.6	129
247	Nickel recovery/removal from industrial wastes: A review. <i>Resources, Conservation and Recycling</i> , 2013, 73, 229-238.	5.3	237
248	Removal of Hg and Pb in Aqueous Solution using Coal Fly Ash Adsorbent. <i>Procedia Earth and Planetary Science</i> , 2013, 6, 377-382.	0.6	25
249	A review on zinc and nickel adsorption on natural and modified zeolite, bentonite and vermiculite: Examination of process parameters, kinetics and isotherms. <i>Journal of Hazardous Materials</i> , 2013, 252-253, 428-461.	6.5	401
250	Point of use water treatment with forward osmosis for emergency relief. <i>Desalination</i> , 2013, 312, 23-30.	4.0	39
251	Removal of heavy metal ions from aqueous solutions with multi-walled carbon nanotubes: Kinetic and thermodynamic studies. <i>International Journal of Environmental Science and Technology</i> , 2013, 10, 677-688.	1.8	79
252	DBSA doped polyaniline/multi-walled carbon nanotubes composite for high efficiency removal of Cr(VI) from aqueous solution. <i>Chemical Engineering Journal</i> , 2013, 228, 748-755.	6.6	122
253	Removal of lead from aqueous solutions by precipitation: statistical analysis and modeling. <i>Desalination and Water Treatment</i> , 2013, 51, 1720-1726.	1.0	67
254	Application of full factorial design to study the simultaneous removal of copper and zinc from aqueous solution by liquid-liquid extraction. <i>Desalination and Water Treatment</i> , 2013, 51, 2135-2145.	1.0	7
255	Acid Mine Drainage Treatment in Fluidized-Bed Bioreactors by Sulfate-Reducing Bacteria: A Critical Review. <i>Critical Reviews in Environmental Science and Technology</i> , 2013, 43, 2545-2580.	6.6	89
256	Zeolites and related mesoporous materials for multi-talented environmental solutions. <i>Microporous and Mesoporous Materials</i> , 2013, 166, 37-49.	2.2	103
257	Solvothermal synthesis of high value copper powder from copper bleed solution of an Indian copper smelter. <i>Powder Technology</i> , 2013, 233, 335-340.	2.1	5

#	ARTICLE	IF	CITATIONS
258	Adsorption of cadmium (II) from aqueous solutions by activated carbon produced from Algerian dates stones of <i>Phoenix dactylifera</i> by H ₂ O ₂ activation. <i>Desalination and Water Treatment</i> , 2013, 51, 2087-2092.	1.0	16
259	Adsorptive behavior of acrylic acid-grafted bacterial cellulose to remove cadmium for a membrane-adsorbent hybrid process. <i>Desalination and Water Treatment</i> , 2013, 51, 5074-5079.	1.0	4
260	Removal of Heavy Metals from Electroplating Wastewater by Thin-Film Composite Nanofiltration Hollow-Fiber Membranes. <i>Industrial & Engineering Chemistry Research</i> , 2013, 52, 17583-17590.	1.8	100
261	Removal of Heavy Metals from Aqueous Solution Using Natural and Fe(III) Oxyhydroxide Clinoptilolite. <i>Clays and Clay Minerals</i> , 2013, 61, 508-516.	0.6	12
262	Supported Liquid Membrane Principle and Its Practices: A Short Review. <i>Journal of Chemistry</i> , 2013, 2013, 1-11.	0.9	160
263	Determination of Heavy Metals in Water System of Beijing Urban Area and a Countermeasure to Remove them. <i>Applied Mechanics and Materials</i> , 2013, 448-453, 579-582.	0.2	1
264	Adsorptive Removal of Cadmium and Copper from Water by Mesoporous Silica Functionalized with N-(Aminothioxomethyl)-2-Thiophen Carboxamide. <i>Journal of Environmental Engineering, ASCE</i> , 2013, 139, 1285-1296.	0.7	7
265	Effect of heat treatment on copper removal onto manure-compost-activated carbons. <i>Desalination and Water Treatment</i> , 2013, 51, 5608-5616.	1.0	4
266	Synthesis and Application of Hydride Silica Composites for Rapid and Facile Removal of Aqueous Mercury. <i>ChemPhysChem</i> , 2013, 14, 4126-4133.	1.0	8
267	Surface mechanism of the boron adsorption on alumina in aqueous solutions. <i>Desalination and Water Treatment</i> , 2013, 51, 6130-6136.	1.0	25
268	Chicken Eggshells Remove Pb(II) Ions from Synthetic Wastewater. <i>Environmental Engineering Science</i> , 2013, 30, 67-73.	0.8	21
269	Electroplating wastewater treatment by the combined electrochemical and ozonation methods. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2013, 48, 1450-1455.	0.9	23
270	Sorptive removal of cadmium from aqueous solutions by Delonix regia derived lignin: effect of amination. <i>Desalination and Water Treatment</i> , 2013, 51, 5026-5034.	1.0	6
271	Electrospun Nanofibrous Membrane for Heavy Metal Ion Adsorption. <i>Current Organic Chemistry</i> , 2013, 17, 1361-1370.	0.9	61
272	Natural Zeolites in Water Treatment – How Effective is Their Use. , 0, , .		91
274	Synthesis of α -, β - and γ -Cyclodextrin/ Poly(Acrylonitrile) Composite Nanofibers and Their Applications to Cu(II) Ion Adsorption. <i>Polymer-Plastics Technology and Engineering</i> , 2014, 53, 513-519.	1.9	12
275	Metals as Water Quality Parameters – Role of Speciation and Bioavailability. , 2014, , 315-328.		3
276	CHAPTER 16. Chromium in Tannery Wastewater. , 2014, , 315-344.		6

#	ARTICLE	IF	CITATIONS
277	Removal of heavy metal ions from water by Hydroxyl terminated Triazine-based Dendrimer. Desalination and Water Treatment, 0, , 1-11.	1.0	8
278	Enhanced lead(II) binding properties of heat-treated cattle-manure-compost-activated carbons. Desalination and Water Treatment, 2014, 52, 6420-6429.	1.0	8
279	Re-evaluation of several heavy metals removal by natural limestones. Frontiers of Chemical Science and Engineering, 2014, 8, 418-432.	2.3	14
280	Adsorption of Cu(II) on Surface Ion-Imprinted Poly(Allylamine)-Silica Material from Aqueous Solution. Polymer-Plastics Technology and Engineering, 2014, 53, 30-37.	1.9	5
281	Adsorption Properties of Ni(II) by D301R Anion Exchange Resin. Journal of Chemistry, 2014, 2014, 1-5.	0.9	1
282	Finite difference simulation of biological chromium (VI) reduction in aquifer media columns. Water Science and Technology, 2014, 40, 359.	0.2	2
283	Biosorption of Uranium from Aqueous Solution by Live and Dead <i>Aspergillus niger</i> . Journal of Hazardous, Toxic, and Radioactive Waste, 2014, 18, .	1.2	2
284	Experimental and robust modeling approach for lead(II) uptake by alginate gel beads: Influence of the ionic strength and medium composition. Journal of Colloid and Interface Science, 2014, 434, 77-88.	5.0	35
285	Separation of Ni(II) and Cd(II) Ions with Supported Liquid Membranes (SLM) using D2EHPA as a Carrier. Separation Science and Technology, 2014, 49, 1756-1760.	1.3	13
286	Novel Nanofiltration Membranes Consisting of a Sulfonated Pentablock Copolymer Rejection Layer for Heavy Metal Removal. Environmental Science & Technology, 2014, 48, 13880-13887.	4.6	135
287	Recycle of Ag ⁺ and Zn ²⁺ with Magnetic Adsorbent in Process of Its Purification from Wastewater. Clean - Soil, Air, Water, 2014, 42, 71-80.	0.7	9
288	Rejection of Heavy Metal Ions with Polyelectrolyte Composite Nanofiltration Membrane. Applied Mechanics and Materials, 0, 529, 87-91.	0.2	0
289	Electrodialysis and Water Reuse. Topics in Mining, Metallurgy and Materials Engineering, 2014, , .	1.4	24
290	Heavy Metals Uptake from Aqueous Effluents by Novel Adsorbent Derived from Tannin Extracts. , 2014, , 203-217.		0
291	Synthesis, characterization, antimicrobial activity and applications of polyanilineTi(IV)arsenophosphate adsorbent for the analysis of organic and inorganic pollutants. Journal of Hazardous Materials, 2014, 264, 481-489.	6.5	84
292	Characterization of the removal of Chromium(VI) from groundwater by electrocoagulation. Journal of Industrial and Engineering Chemistry, 2014, 20, 2775-2781.	2.9	107
293	High capacity removal of silver(I) and lead(II) ions by modified polyacrylonitrile from aqueous solutions. Desalination and Water Treatment, 2014, 52, 3206-3218.	1.0	9
294	Removal of hazardous heavy metals from aqueous environment by low-cost adsorption materials. Environmental Chemistry Letters, 2014, 12, 15-25.	8.3	90

#	ARTICLE	IF	CITATIONS
295	Hydrothermal synthesis of magnetic carbon microspheres for effective adsorption of Cd(II) in water. Journal of Chemical Technology and Biotechnology, 2014, 89, 1051-1059.	1.6	15
296	Electrodialysis Treatment of Nickel Wastewater. , 2014, , 133-144.		2
297	Study of heavy metal removal from heavy metal mixture using the CCD method. Journal of Industrial and Engineering Chemistry, 2014, 20, 512-520.	2.9	70
298	Al(III) and Cu(II) simultaneous foam separation: Physicochemical problems. Chemical Papers, 2014, 68, .	1.0	8
299	Organoclay modified with lignin as a new adsorbent for removal of Pb ²⁺ and UO ₂ ²⁺ . Journal of Radioanalytical and Nuclear Chemistry, 2014, 299, 283-292.	0.7	21
300	Biosorption of Cr(VI) by carbonized Eupatorium adenophorum and Buckwheat straw: thermodynamics and mechanism. Frontiers of Environmental Science and Engineering, 2014, 8, 960-966.	3.3	15
301	A review on economically adsorbents on heavy metals removal in water and wastewater. Reviews in Environmental Science and Biotechnology, 2014, 13, 163-181.	3.9	193
302	Environmental sensitive hydrogel for purification of waste water: part 1: synthesis and characterization. Polymer Bulletin, 2014, 71, 839-854.	1.7	14
303	Dual-layer polybenzimidazole/polyethersulfone (PBI/PES) nanofiltration (NF) hollow fiber membranes for heavy metals removal from wastewater. Journal of Membrane Science, 2014, 456, 117-127.	4.1	222
304	Synthesis, characterization and electrical conductivity of Polyaniline-Sn(IV) tungstophosphate hybrid cation exchanger: Analytical application for removal of heavy metal ions from wastewater. Desalination, 2014, 340, 73-83.	4.0	36
305	Recovery of nickel and water from nickel electroplating wastewater by electrodialysis. Separation and Purification Technology, 2014, 129, 106-112.	3.9	124
306	Surface modification with EDTA molecule: A feasible method to enhance the adsorption property of ZnO. Journal of Physics and Chemistry of Solids, 2014, 75, 726-731.	1.9	10
307	Facile synthesis of cross linked-chitosan-grafted-polyaniline composite and its Cr(VI) uptake studies. International Journal of Biological Macromolecules, 2014, 67, 210-219.	3.6	107
308	Sodium borohydride-triggered efficient adsorption and desorption behavior of methylene blue on the surface of Co _{0.85} Se nanosheets. Separation and Purification Technology, 2014, 124, 148-154.	3.9	10
309	Metallic ions extraction and transport in supported liquid membrane using organo-phosphoric compounds as mobile carriers. Journal of Environmental Chemical Engineering, 2014, 2, 154-162.	3.3	20
310	Biomass-derived biosorbents for metal ions sequestration: Adsorbent modification and activation methods and adsorbent regeneration. Journal of Environmental Chemical Engineering, 2014, 2, 239-259.	3.3	395
312	Reviews of Environmental Contamination and Toxicology Volume 232. Reviews of Environmental Contamination and Toxicology, 2014, , .	0.7	4
313	Nanoscale zero-valent iron (nZVI) for the treatment of concentrated Cu wastewater: a field demonstration. Environmental Sciences: Processes and Impacts, 2014, 16, 524-533.	1.7	78

#	ARTICLE	IF	CITATIONS
314	Vegetable oil as organic solvent for wastewater treatment in liquid membrane processes. <i>Desalination and Water Treatment</i> , 2014, 52, 88-101.	1.0	41
315	Modified Empty Bed Residence Time Model for Copper Removal. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 13773-13781.	1.8	14
316	Electrospun fibrous membranes for efficient heavy metal removal. <i>Journal of Applied Polymer Science</i> , 2014, 131, .	1.3	76
317	Synergistic Removal of Copper(II) and Tetracycline from Water Using an Environmentally Friendly Chitosan-Based Flocculant. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 14913-14920.	1.8	35
318	Enhanced Cr(VI) removal from aqueous solutions using Ni/Fe bimetallic nanoparticles: characterization, kinetics and mechanism. <i>RSC Advances</i> , 2014, 4, 50699-50707.	1.7	76
319	Selective Removal of Lead(II) from Aqueous Solution by an Ion-Imprinted Silica Sorbent Functionalized with Chelating N-Donor Atoms. <i>Journal of Chemical & Engineering Data</i> , 2014, 59, 2106-2114.	1.0	70
320	Application of chitosan and its derivatives as adsorbents for dye removal from water and wastewater: A review. <i>Carbohydrate Polymers</i> , 2014, 113, 115-130.	5.1	844
321	Characterization of a positively charged composite nanofiltration hollow fiber membrane prepared by a simplified process. <i>Desalination</i> , 2014, 350, 44-52.	4.0	53
322	Preparation, performances of PVDF/ZnO hybrid membranes and their applications in the removal of copper ions. <i>Applied Surface Science</i> , 2014, 316, 333-340.	3.1	131
324	Coagulation-flocculation mechanisms in wastewater treatment plants through zeta potential measurements. <i>Journal of Hazardous Materials</i> , 2014, 279, 1-10.	6.5	179
325	Biosorption of Pb and Cu using fixed and suspended bacteria. <i>Journal of Environmental Chemical Engineering</i> , 2014, 2, 1663-1671.	3.3	43
326	Evaluating the use of activated carbon felts to remove Co^{2+} , Ni^{2+} and Sr^{2+} from wastewater. <i>Journal of Environmental Chemical Engineering</i> , 2014, 2, 1705-1712.	3.3	9
327	Removal and recovery of Ni^{2+} from electroplating rinse water using electrodeionization reversal. <i>Desalination</i> , 2014, 348, 74-81.	4.0	29
328	Mechanism study of selective heavy metal ion removal with polypyrrole-functionalized polyacrylonitrile nanofiber mats. <i>Applied Surface Science</i> , 2014, 316, 245-250.	3.1	54
329	Chromium and nickel removal from industrial wastewater using Tunisian clay. <i>Desalination and Water Treatment</i> , 2014, 52, 2253-2260.	1.0	19
330	CHAPTER 3. Removal of Dissolved Metals by Bioremediation. , 2014, , 44-56.		7
331	Colorimetric detection of copper and efficient removal of heavy metal ions from water by diamine-functionalized SBA-15. <i>Dalton Transactions</i> , 2014, 43, 8461-8468.	1.6	53
332	A review of potential remediation techniques for uranium(VI) ion retrieval from contaminated aqueous environment. <i>Journal of Environmental Chemical Engineering</i> , 2014, 2, 1621-1634.	3.3	160

#	ARTICLE	IF	CITATIONS
333	Metals as electron acceptors in single-chamber microbial fuel cells. <i>Journal of Power Sources</i> , 2014, 269, 430-439.	4.0	60
334	A comparative study of abiological granular sludge (ABGS) formation in different processes for zinc removal from wastewater. <i>Environmental Science and Pollution Research</i> , 2014, 21, 12436-12444.	2.7	20
335	Sol-gel derived ion-imprinted silica-supported organic-inorganic hybrid sorbent for selective removal of lead(II) from aqueous solution. <i>Journal of Sol-Gel Science and Technology</i> , 2014, 72, 144-155.	1.1	24
336	Structural and dynamical properties of Li ⁺ -dibenzo-18-crown-6(DB18C6) complex in pure solvents and at the aqueous-organic interface. <i>Journal of Molecular Modeling</i> , 2014, 20, 2413.	0.8	21
337	Treatment of wastewater contaminated with cobalt using Saudi activated bentonite. <i>AEJ - Alexandria Engineering Journal</i> , 2014, 53, 205-211.	3.4	61
338	Two-stage biosorption of selenium from aqueous solution using dried biomass of the baker's yeast <i>Saccharomyces cerevisiae</i> . <i>Journal of Environmental Chemical Engineering</i> , 2014, 2, 532-542.	3.3	51
339	Evaluation of heavy metal kinetics through pyridine based Th(IV) phosphate composite cation exchanger using particle diffusion controlled ion exchange phenomenon. <i>Journal of Industrial and Engineering Chemistry</i> , 2014, 20, 705-709.	2.9	24
340	Pendant chains containing thiopropanamide groups inside talc-like phyllosilicate galleries as thermodynamically favorable agents for cation removal. <i>Journal of Environmental Chemical Engineering</i> , 2014, 2, 1386-1393.	3.3	1
341	Polyethyleneimine (PEI) cross-linked P84 nanofiltration (NF) hollow fiber membranes for Pb ²⁺ removal. <i>Journal of Membrane Science</i> , 2014, 452, 300-310.	4.1	182
342	Zero-valent iron nanoparticles (nZVI) for the treatment of smelting wastewater: A pilot-scale demonstration. <i>Chemical Engineering Journal</i> , 2014, 254, 115-123.	6.6	88
343	Water retention and dye adsorption behavior of Gg-cl-poly(acrylic acid-aniline) based conductive hydrogels. <i>Geoderma</i> , 2014, 232-234, 45-55.	2.3	100
344	Feasibility test for waste-reclaimed material to remove Cu ²⁺ and Zn ²⁺ : Kinetics and applications to treat a real plating wastewater. <i>Journal of Environmental Chemical Engineering</i> , 2014, 2, 619-625.	3.3	5
345	Nanotechnology in Industrial Wastewater Treatment. <i>Water Intelligence Online</i> , 0, 13, .	0.3	7
346	Biological reduction and removal of Cr(VI) with microbial consortia collected from local water treatment plant. <i>International Journal of Environmental Technology and Management</i> , 2014, 17, 508.	0.1	0
347	Treatment of wastewaters contaminated with zinc ions using natural zeolite as adsorbent in a fixed bed column. <i>Journal of Water Reuse and Desalination</i> , 2015, 5, 542-549.	1.2	2
348	Treatment of Produced Water Using Chelating Resins: Laboratory Case Study. , 2015, , .		2
349	The Application of a Natural Zeolite for Acid Mine Drainage Purification. <i>Materials Transactions</i> , 2015, 56, 2053-2057.	0.4	3
350	TEMPO-Oxidized Cellulose Cross-Linked with Branched Polyethyleneimine: Nanostructured Adsorbent Sponges for Water Remediation. <i>ChemPlusChem</i> , 2015, 80, 1408-1415.	1.3	80

#	ARTICLE	IF	CITATIONS
351	Genome Sequence of a Chromium-Reducing Strain, <i>Bacillus cereus</i> S612. <i>Genome Announcements</i> , 2015, 3, .	0.8	2
352	Laboratory Evaluation of Sorptive Filtration Media Mixtures for Targeted Pollutant Removals from Simulated Stormwater. <i>Water Environment Research</i> , 2015, 87, 789-795.	1.3	8
353	A Critical Review of Biological Processes and Technologies for Landfill Leachate Treatment. <i>Chemical Engineering and Technology</i> , 2015, 38, 2115-2126.	0.9	74
354	Effective Reuse of Electroplating Rinse Wastewater by Combining PAC with H ₂ O ₂ /UV Process. <i>Water Environment Research</i> , 2015, 87, 312-320.	1.3	5
355	Ultrasonic Preparation of Activated Carbon Composites for Removal of Cr ³⁺ and Zn ²⁺ Ions from Aqueous Solution. , 2015, 05, .		1
356	Removal of Methylene Blue and Copper (II) by Oil Palm Empty Fruit Bunch Sorbents. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2015, 74, .	0.3	2
357	Comparison between mixing and shaking techniques during the destabilization-hydrolysis of the acid mine drainage (AMD) using Ca(OH) ₂ and Mg(OH) ₂ . <i>Journal of Chemical Engineering and Materials Science</i> , 2015, 6, 15-33.	1.9	5
358	Chemical reactivity between CaCO ₃ and Ca(OH) ₂ in acid mine drainage (AMD) with mixing and shaking techniques during the destabilization-hydrolysis of the AMD. <i>Journal of Chemical Engineering and Materials Science</i> , 2015, 6, 34-51.	1.9	2
359	Controllable Synthesis of Zn ₂ GeO ₄ Nanorods for Photocatalytic Reduction of Aqueous Cr(VI) and Oxidation of Organic Pollutants. <i>Journal of Nanotechnology</i> , 2015, 2015, 1-8.	1.5	7
360	Synthesis of reduced graphene oxide-montmorillonite nanocomposite and its application in hexavalent chromium removal from aqueous solutions. <i>RSC Advances</i> , 2015, 5, 47408-47417.	1.7	49
361	Adsorption of hexavalent chromium by polyacrylonitrile (PAN)-based activated carbon fibers from aqueous solution. <i>RSC Advances</i> , 2015, 5, 25389-25397.	1.7	22
362	Removal of Toxic Materials from Aqueous Streams. , 2015, , 443-473.		3
363	Reuse of process water in a waste-to-energy plant: An Italian case of study. <i>Waste Management</i> , 2015, 43, 196-202.	3.7	1
364	Optimization of the use of a biosorbent to remove heavy metals: Regeneration and reuse of exhausted biosorbent. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2015, 51, 109-118.	2.7	30
365	Membrane separation processes applied to the treatment of effluents from nanoceramic coating operations. <i>Desalination and Water Treatment</i> , 2015, 55, 28-38.	1.0	9
366	Kinetic and equilibrium studies of chromium (VI) biosorption by spent macroalgae <i>Polysiphonia urceolata</i> and <i>Chondrus ocellatus</i> . <i>Biotechnology and Biotechnological Equipment</i> , 2015, 29, 498-505.	0.5	8
367	Selective separation and recovery of zinc and lead from galvanizing industrial effluents by anion exchange. <i>Separation Science and Technology</i> , 2015, , 150629133156007.	1.3	2
368	Surface characteristics of the iron-oxyhydroxide layer formed during brick coatings by ESEM/EDS, ²³ Na and ¹ H MAS NMR, and ToF-SIMS. <i>Materials Chemistry and Physics</i> , 2015, 165, 215-226.	2.0	5

#	ARTICLE	IF	CITATIONS
369	Influence of some organic and inorganic additives on pressure-driven purification of waters containing cobalt. <i>Journal of Water Chemistry and Technology</i> , 2015, 37, 271-276.	0.2	3
370	Multi-Response Optimization of Parameters for the Electrocoagulation Treatment of Electroplating Wash-Water using Aluminum Electrodes. <i>Separation Science and Technology</i> , 2015, 50, 181-190.	1.3	9
371	Affinity of Cation-Exchange Membranes Towards Metallic Cations: Application in Continuous Electropermutation. <i>Separation Science and Technology</i> , 2015, 50, 495-504.	1.3	5
372	Adsorption isotherm and kinetic studies of hexavalent chromium removal from aqueous solution onto bone char. <i>Journal of Environmental Chemical Engineering</i> , 2015, 3, 1329-1336.	3.3	66
373	Equilibrium and column studies of iron exchange with strong acid cation resin. <i>Journal of Environmental Chemical Engineering</i> , 2015, 3, 373-385.	3.3	24
374	Study of electroflotation method for treatment of wastewater from washing soil contaminated by heavy metals. <i>Journal of Materials Research and Technology</i> , 2015, 4, 109-113.	2.6	55
375	Removal of zinc ions from synthetic and industrial Tunisian wastewater by electrocoagulation using aluminum electrodes. <i>Desalination and Water Treatment</i> , 2015, 56, 2689-2698.	1.0	13
376	Recovery of Ni ²⁺ and pure water from electroplating rinse wastewater by an integrated two-stage electrodeionization process. <i>Journal of Cleaner Production</i> , 2015, 92, 257-266.	4.6	68
377	Preparation, characterization, and selective adsorption for lead(II) of imprinted silica-supported organic-inorganic hybrid sorbent functionalized with chelating S,N-donor atoms. <i>Monatshefte für Chemie</i> , 2015, 146, 459-463.	0.9	4
378	Cadmium adsorption by <i>E. coli</i> with surface displayed CadR. <i>RSC Advances</i> , 2015, 5, 16089-16092.	1.7	16
379	Metal-organic framework MIL-125(Ti) for efficient adsorptive removal of Rhodamine B from aqueous solution. <i>Applied Organometallic Chemistry</i> , 2015, 29, 12-19.	1.7	132
380	Advanced material and approach for metal ions removal from aqueous solutions. <i>Scientific Reports</i> , 2015, 5, 8992.	1.6	79
381	Removal of zinc and lead from aqueous solution by nanostructured cedar leaf ash as biosorbent. <i>Journal of Molecular Liquids</i> , 2015, 211, 448-456.	2.3	97
382	Removal of heavy metal ions from dilute aqueous solutions by polymer-surfactant aggregates: A novel effluent treatment process. <i>Separation and Purification Technology</i> , 2015, 152, 101-107.	3.9	54
383	Adsorption of Co(II), Ni(II) and Cu(II) ions onto chitosan-modified poly(methacrylate) nanoparticles: Dynamics, equilibrium and thermodynamics studies. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2015, 57, 111-122.	2.7	51
384	A critical review on characterization strategies of organic matter for wastewater and water treatment processes. <i>Bioresource Technology</i> , 2015, 193, 523-533.	4.8	99
385	Self-sustained reduction of multiple metals in a microbial fuel cell-microbial electrolysis cell hybrid system. <i>Bioresource Technology</i> , 2015, 192, 238-246.	4.8	49
386	Is biosorption suitable for decontamination of metal-bearing wastewaters? A critical review on the state-of-the-art of biosorption processes and future directions. <i>Journal of Environmental Management</i> , 2015, 160, 283-296.	3.8	201

#	ARTICLE	IF	CITATIONS
387	Physical-chemical treatment of rainwater runoff in recovery and recycling companies: Pilot-scale optimization. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2015, 50, 1083-1098.	0.9	3
388	Sponge-like polysiloxane-graphene oxide gel as a highly efficient and renewable adsorbent for lead and cadmium metals removal from wastewater. <i>Chemical Engineering Journal</i> , 2015, 280, 275-282.	6.6	117
389	Enhanced selective removal of Cu(II) from aqueous solution by novel polyethylenimine-functionalized ion imprinted hydrogel: Behaviors and mechanisms. <i>Journal of Hazardous Materials</i> , 2015, 300, 18-28.	6.5	128
390	Hierarchically-organized, well-dispersed hydroxyapatite-coated magnetic carbon with combined organics and inorganics removal properties. <i>Chemical Engineering Journal</i> , 2015, 275, 152-159.	6.6	22
391	Synergetic effects and flocculation behavior of anionic polyacrylamide and extracellular polymeric substrates extracted from <i>Klebsiella</i> sp. J1 on improving soluble cadmium removal. <i>Bioresource Technology</i> , 2015, 175, 34-41.	4.8	40
392	The cyanobacterium <i>Synechocystis</i> sp. PUPCCC 62: a potential candidate for biotransformation of Cr(VI) to Cr(III) in the presence of sulphate. <i>Environmental Science and Pollution Research</i> , 2015, 22, 10661-10668.	2.7	4
393	Nickel ion coupled counter complexation and decomplexation through a modified supported liquid membrane system. <i>RSC Advances</i> , 2015, 5, 38424-38434.	1.7	16
394	Modeling and Mechanism of the Adsorption of Proton and Copper to Natural Bamboo Sawdust Using the NICA-Donnan Model. <i>Journal of Dispersion Science and Technology</i> , 2015, 36, 703-713.	1.3	4
395	Synthesis and characterisation of poly(3,4-ethylenedioxythiophene)-poly(styrenesulfonate) (PEDOT:PSS) Zr(IV) monothiophosphate composite cation exchanger: analytical application in the selective separation of lead metal ions. <i>International Journal of Environmental Analytical Chemistry</i> , 2015, 95, 556-568.	1.8	20
396	Adsorption of heavy metal ion from aqueous solution by nickel oxide nano catalyst prepared by different methods. <i>Egyptian Journal of Petroleum</i> , 2015, 24, 27-35.	1.2	89
397	Enhanced adsorption of aqueous copper(II) ions using dedoped poly-N-phenylglycine nanofibers. <i>Chemical Engineering Journal</i> , 2015, 277, 352-359.	6.6	31
398	Infrared irradiation aided fabrication of Mn impregnated-natural bone adsorbent: Efficacy evaluation in aqueous Cr(VI) removal. <i>Journal of Water Process Engineering</i> , 2015, 6, 32-41.	2.6	4
399	Removal of chromium from tanning wastewater and its reuse. <i>Chemical Engineering Research and Design</i> , 2015, 95, 195-201.	2.7	75
400	Tribological behaviours of Cu nanoparticles recovered from electroplating effluent as lubricant additive. <i>Tribology - Materials, Surfaces and Interfaces</i> , 2015, 9, 46-53.	0.6	17
401	Biosorption of Cd ²⁺ by untreated dried powder of duckweed <i>Lemna aequinoctialis</i> . <i>Desalination and Water Treatment</i> , 2015, 53, 183-194.	1.0	8
402	Photoreduction of toxic chromium using TiO ₂ -immobilized under natural sunlight: effects of some hole scavengers and process parameters. <i>Desalination and Water Treatment</i> , 2015, 55, 1900-1907.	1.0	58
403	Removal of some heavy metals from inorganic industrial wastewaters by ion exchange method. <i>Journal of Water Chemistry and Technology</i> , 2015, 37, 191-199.	0.2	33
404	Activated carbon from waste as an efficient adsorbent for malathion for detection and removal purposes. <i>Journal of Industrial and Engineering Chemistry</i> , 2015, 32, 336-344.	2.9	78

#	ARTICLE	IF	CITATIONS
405	Lead and cadmium removal from water using duckweed "Lemna gibba L.: Impact of pH and initial metal load. AEJ - Alexandria Engineering Journal, 2015, 54, 1297-1304.	3.4	69
406	Influence of hydrogen peroxide on the simultaneous removal of Cr(VI) and methylene blue from aqueous medium under atmospheric pressure plasma jet. Journal of Environmental Chemical Engineering, 2015, 3, 2760-2767.	3.3	28
407	Optimization of electrocoagulation operating parameters and reactor design for zinc removal: application to industrial Tunisian wastewater. Desalination and Water Treatment, 2015, 56, 2706-2714.	1.0	6
408	The Green Route from Carbon Monoxide Fixation to Functional Polyamines: A Class of High-Performing Metal Ion Scavengers. Industrial & Engineering Chemistry Research, 2015, 54, 9450-9457.	1.8	11
410	Metal organic framework derived magnetically separable 3-dimensional hierarchical Ni@C nanocomposites: Synthesis and adsorption properties. Applied Surface Science, 2015, 359, 834-840.	3.1	32
411	Preparation and evaluation of aminopropyl-functionalized manganese-loaded SBA-15 for copper removal from aqueous solution. Journal of Environmental Sciences, 2015, 28, 118-127.	3.2	27
412	Thin Film Interfacial Cross-Linking Approach To Fabricate a Chitosan Rejecting Layer over Poly(ether) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 472-479.	1.8	48
413	Removal of zirconium from aqueous solution by <i>Ganoderma lucidum</i> : biosorption and bioremediation studies. Desalination and Water Treatment, 2015, 53, 195-205.	1.0	20
414	Equilibrium kinetics studies on the biosorption of Cu (II) from aqueous solutions by a new adsorbent from a <i>Eupatorium adenophorum</i> Spreng/buckwheat straw mixture. Desalination and Water Treatment, 2015, 53, 778-784.	1.0	3
415	Effective removal of zinc (II) from aqueous solutions by tricalcium aluminate (C3A). Journal of Colloid and Interface Science, 2015, 443, 65-71.	5.0	37
416	Titanium-based nanocomposite materials: A review of recent advances and perspectives. Colloids and Surfaces B: Biointerfaces, 2015, 126, 121-137.	2.5	83
417	Preparation of polyaniline based nanocomposite material and their environmental applications. International Journal of Environmental Science and Technology, 2015, 12, 3635-3642.	1.8	19
418	Synthesis of poly(m-phenylenediamine)/iron oxide/acid oxidized multi-wall carbon nanotubes for removal of hexavalent chromium. RSC Advances, 2015, 5, 2266-2275.	1.7	38
419	Three dimensional electro catalytic oxidation of aniline by boron doped mesoporous activated carbon. Journal of Industrial and Engineering Chemistry, 2015, 21, 942-950.	2.9	48
420	Thermodynamics and kinetics of bivalent cadmium biosorption onto nanoparticles of chitosan-based biopolymers. Journal of the Taiwan Institute of Chemical Engineers, 2015, 47, 79-90.	2.7	37
421	Chelation technology: a promising green approach for resource management and waste minimization. Environmental Sciences: Processes and Impacts, 2015, 17, 12-40.	1.7	71
422	Fast and Efficient Uptake of Fe(III) from Aqueous Solutions Using Magnetic Functionalized Cellulose. Journal of Dispersion Science and Technology, 2015, 36, 898-907.	1.3	2
423	Study of flotation conditions for cadmium(II) removal from aqueous solutions. Chemical Engineering Research and Design, 2015, 94, 203-211.	2.7	46

#	ARTICLE	IF	CITATIONS
424	Hexavalent chromium removal from chromium plating rinsing water with membrane technology. <i>Desalination and Water Treatment</i> , 2015, 53, 1431-1439.	1.0	26
425	Dependency of simultaneous Cr(VI), Cu(II) and Cd(II) reduction on the cathodes of microbial electrolysis cells self-driven by microbial fuel cells. <i>Journal of Power Sources</i> , 2015, 273, 1103-1113.	4.0	82
426	Utilization of synthesized NaA and ZSM-5 nanozeolites for mercury(II) removal: kinetic, thermodynamic and isotherm study. <i>Desalination and Water Treatment</i> , 2015, 55, 1864-1875.	1.0	8
427	Efficacy of mangrove leaf powder for bioremediation of chromium (VI) from aqueous solutions: kinetic and thermodynamic evaluation. <i>Applied Water Science</i> , 2015, 5, 153-160.	2.8	27
428	The usage of a zeolitic composite for quality improvement of copper contaminated mining wastewaters. <i>International Journal of Environmental Science and Technology</i> , 2015, 12, 2285-2298.	1.8	4
429	Selective removal of Hg(II) with polyacrylonitrile-2-amino-1,3,4-thiadiazole chelating resin: Batch and column study. <i>Chemical Engineering Journal</i> , 2015, 259, 257-265.	6.6	109
430	Application of maghemite nanoparticles as sorbents for the removal of Cu(II), Mn(II) and U(VI) ions from aqueous solution in acid mine drainage conditions. <i>Applied Water Science</i> , 2016, 6, 187-197.	2.8	21
431	Heavy and toxic metal uptake by mesoporous hypercrosslinked SMA beads: Isotherms and kinetics. <i>Journal of Saudi Chemical Society</i> , 2016, 20, S579-S590.	2.4	47
432	Removal of Heavy Metals from Industrial Waste Water by Biomass-Based Materials: A Review. <i>Journal of Pollution Effects & Control</i> , 2016, 05, .	0.1	39
433	Phytoextraction of Pb and Ni from the Polluted Soil by <i>Brassica juncea</i> L., 2016, 6, .		7
434	The possibilities of water purification using phytofiltration methods: a review of recent progress. <i>Biotechnologia</i> , 2016, 4, 315-322.	0.3	7
435	Metalliferous Waste in India and Knowledge Explosion in Metal Recovery Techniques and Processes for the Prevention of Pollution. , 2016, , 339-390.		4
436	Evaluation of Heavy Metal Removal from Wastewater in a Modified Packed Bed Biofilm Reactor. <i>PLoS ONE</i> , 2016, 11, e0155462.	1.1	50
438	Fabrication and characterization of CMC-based magnetic superabsorbent hydrogel nanocomposites for crystal violet removal. <i>Polymers for Advanced Technologies</i> , 2016, 27, 1609-1616.	1.6	16
439	Removal of Heavy Metal from Wastewater. , 2016, , 813-839.		5
440	Removal of toxic zinc from water/wastewater using eucalyptus seeds activated carbon: non-linear regression analysis. <i>IET Nanobiotechnology</i> , 2016, 10, 244-253.	1.9	30
441	The removal of lead ions using zeolite nanoparticles from aqueous solutions. <i>AIP Conference Proceedings</i> , 2016, , .	0.3	1
442	Cadmium Removal from Aqueous Solution by a Deionization Supercapacitor with a Birnessite Electrode. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 34405-34413.	4.0	67

#	ARTICLE	IF	CITATIONS
443	Destabilization dynamics of clay and acid-free polymers of ferric and magnesium salts in AMD without pH adjustment. <i>Water Science and Technology</i> , 2016, 74, 861-875.	1.2	4
444	Hierarchical aminated PAN/AlOOH electrospun composite nanofibers and their heavy metal ion adsorption performance. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2016, 62, 219-227.	2.7	63
445	A novel modified graphene oxide/chitosan composite used as an adsorbent for Cr(VI) in aqueous solutions. <i>International Journal of Biological Macromolecules</i> , 2016, 87, 586-596.	3.6	138
446	Sorption efficiency of three novel extractant-impregnated resins containing vesuvin towards Pb(II) ion: Effect of nitrate and amine functionalization of resin backbone. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016, 504, 62-74.	2.3	34
447	Adsorption and chemical precipitation of lead and zinc from contaminated solutions in porous rocks: Possible application in environmental protection. <i>Journal of African Earth Sciences</i> , 2016, 122, 98-106.	0.9	31
448	Synthesis, characterization, and application of a new methylenethiol resins for heavy metal ions removal. <i>Separation Science and Technology</i> , 2016, 51, 2501-2510.	1.3	2
449	Hydrothermal synthesis of silico-manganese nano hybrid for Cu(II) adsorption from aqueous solution. <i>Applied Surface Science</i> , 2016, 371, 102-111.	3.1	15
450	Sequestering heavy metals from wastewater using cow dung. <i>Water Resources and Industry</i> , 2016, 13, 7-13.	1.9	102
451	Photo-electrochemical Characterization of the Spinel CuFe ₂ O ₄ : Application to Ni ²⁺ Removal under Solar Light. <i>Environmental Processes</i> , 2016, 3, 387-396.	1.7	14
452	Application of bifunctional <i>Mangifera indica</i> L.-loaded <i>Saccharomyces cerevisiae</i> as efficacious biosorbent for bivalent cobalt and nickel cations from different wastewaters: equilibrium and kinetic studies. <i>Desalination and Water Treatment</i> , 2016, 57, 8967-8980.	1.0	10
453	ISFRAM 2015. , 2016, , .		6
454	Micelles as Soil and Water Decontamination Agents. <i>Chemical Reviews</i> , 2016, 116, 6042-6074.	23.0	144
455	Synthesis of multi-ion imprinted polymers based on dithizone chelation for simultaneous removal of Hg ²⁺ , Cd ²⁺ , Ni ²⁺ and Cu ²⁺ from aqueous solutions. <i>RSC Advances</i> , 2016, 6, 44087-44095.	1.7	48
456	Recovery and application of heavy metals from pickling waste liquor (PWL) and electroplating wastewater (EPW) by the combination process of ferrite nanoparticles. <i>Desalination and Water Treatment</i> , 2016, 57, 29264-29273.	1.0	10
457	Selective removal of Cr(VI) from aqueous solution by polypyrrole/2,5-diaminobenzene sulfonic acid composite. <i>Journal of Colloid and Interface Science</i> , 2016, 476, 144-157.	5.0	65
458	Cr(VI) removal from aqueous solution by thermophilic denitrifying bacterium <i>Chelatococcus daeguensis</i> TAD1 in the presence of single and multiple heavy metals. <i>Journal of Microbiology</i> , 2016, 54, 602-610.	1.3	15
459	Advanced Cellulosic Materials for Treatment and Detection of Industrial Contaminants in Wastewater. <i>ChemistrySelect</i> , 2016, 1, 4472-4488.	0.7	7
460	Removal of heavy metal ions from water by an combined sorption-crystallization process using activated clays. <i>Theoretical Foundations of Chemical Engineering</i> , 2016, 50, 366-382.	0.2	10

#	ARTICLE	IF	CITATIONS
461	Pb(II) adsorption by a novel activated carbon α -alginate composite material. A kinetic and equilibrium study. <i>International Journal of Biological Macromolecules</i> , 2016, 92, 769-778.	3.6	84
462	SnO ₂ nanoparticles as effective adsorbents for the removal of cadmium and lead from aqueous solution: Adsorption mechanism and kinetic studies. <i>Journal of Water Process Engineering</i> , 2016, 13, 44-52.	2.6	54
463	Cadmium resistance and uptake by bacterium, <i>Salmonella enterica</i> 43C, isolated from industrial effluent. <i>AMB Express</i> , 2016, 6, 54.	1.4	74
464	Fast removal of copper ions from aqueous solution using an eco-friendly fibrous adsorbent. <i>Chemosphere</i> , 2016, 161, 501-509.	4.2	34
465	Sustainable Hazardous Waste Management/Treatment: Framework and Adjustments to Meet Grand Challenges. , 2016, , 319-364.		2
466	Effective cementation and removal of arsenic with copper powder in a hydrochloric acid system. <i>RSC Advances</i> , 2016, 6, 70832-70841.	1.7	13
467	Sono-electrochemical recovery of metal ions from their aqueous solutions. <i>Journal of Hazardous Materials</i> , 2016, 318, 379-387.	6.5	14
468	Lead(II) Removal at the Bioanode of Microbial Electrolysis Cells. <i>ChemistrySelect</i> , 2016, 1, 5743-5748.	0.7	17
469	Development of recycled aggregate bio-carrier with sulfate reducing bacteria for the elimination of heavy metals from seawater. <i>Biotechnology and Bioprocess Engineering</i> , 2016, 21, 689-693.	1.4	6
470	Hydrate-based heavy metal separation from aqueous solution. <i>Scientific Reports</i> , 2016, 6, 21389.	1.6	42
471	Study on industrial macropollutants discharges in Milan sewer system. <i>Management of Environmental Quality</i> , 2016, 27, 194-209.	2.2	4
472	A novel positively charged membrane based on polyamide thin-film composite made by cross-linking for nanofiltration. <i>Water Science and Technology</i> , 2016, 73, 776-789.	1.2	11
473	Brianyoungite/Graphene Oxide Coordination Composites for High-Performance Cu ²⁺ Adsorption and Tunable Deep-Red Photoluminescence. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 15848-15854.	4.0	19
474	New trends in removing heavy metals from wastewater. <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 6509-6518.	1.7	186
475	Bio-physical removal of heavy metal from aqueous solution. <i>Desalination and Water Treatment</i> , 2016, 57, 28932-28938.	1.0	1
476	Removal of Pb(II) and Zn(II) using lime and nanoscale zero-valent iron (nZVI): A comparative study. <i>Chemical Engineering Journal</i> , 2016, 304, 79-88.	6.6	73
477	A multilevel sustainability analysis of zinc recovery from wastes. <i>Resources, Conservation and Recycling</i> , 2016, 113, 88-105.	5.3	47
478	Valorization of <i>Moringa oleifera</i> seed husk as biosorbent: isotherm and kinetics studies to remove cadmium and copper from aqueous solutions. <i>Desalination and Water Treatment</i> , 2016, 57, 23382-23396.	1.0	14

#	ARTICLE	IF	CITATIONS
479	Separation and recovery of copper from aqueous solutions using tri-n-butyl phosphate in benzene. <i>Journal of Molecular Liquids</i> , 2016, 221, 139-148.	2.3	16
480	Synthesis of a novel poly-thiolated magnetic nano-platform for heavy metal adsorption. Role of thiol and carboxyl functions. <i>Applied Surface Science</i> , 2016, 386, 160-177.	3.1	35
481	Chemical coagulation process for the removal of heavy metals from water: a review. <i>Desalination and Water Treatment</i> , 2016, 57, 1733-1748.	1.0	160
482	Synthesis of surfactant-modified ZSM-5 nanozeolite for the removal of nickel(II) from aqueous solution. <i>Desalination and Water Treatment</i> , 2016, 57, 12204-12215.	1.0	10
483	Thermally modified molybdenum oxide as a potential sorbent for the removal of metal cations from aqueous solutions. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2016, 307, 555-565.	0.7	4
484	Amyloid β -carbon hybrid membranes for universal water purification. <i>Nature Nanotechnology</i> , 2016, 11, 365-371.	15.6	506
485	Conventional Methods of Wastewater Treatment. , 2016, , 17-25.		17
486	From adsorbents to electrode materials: facile hydrothermal synthesis of montmorillonite/polyaniline/metal oxide (hydroxide) composites. <i>New Journal of Chemistry</i> , 2016, 40, 2687-2695.	1.4	18
487	The removal of heavy metal ions from wastewater/aqueous solution using polypyrrole-based adsorbents: a review. <i>RSC Advances</i> , 2016, 6, 14778-14791.	1.7	323
488	Influence of pH on cadmium, copper, and lead removal from wastewater by steel slag. <i>Desalination and Water Treatment</i> , 2016, 57, 21610-21618.	1.0	13
489	Engineered nanomaterials for water treatment and remediation: Costs, benefits, and applicability. <i>Chemical Engineering Journal</i> , 2016, 286, 640-662.	6.6	612
490	Reactivity of Fe salts in the destabilization of acid mine drainage employing mixing and shaking techniques without pH adjustment. <i>International Journal of Mineral Processing</i> , 2016, 146, 65-73.	2.6	8
491	A method for the removal of Cu(II) from aqueous solutions by sulfide precipitation employing heavy oil fly ash. <i>Desalination and Water Treatment</i> , 2016, 57, 17593-17602.	1.0	7
492	Functional metal sulfides and selenides for the removal of hazardous dyes from Water. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2016, 159, 33-41.	1.7	54
493	A Review on Heavy Metal Concentration in Potable Water Sources in Nigeria: Human Health Effects and Mitigating Measures. <i>Exposure and Health</i> , 2016, 8, 285-304.	2.8	148
494	Coagulation/flocculation optimization and sludge production for pre-treatment of paint industry wastewater. <i>Desalination and Water Treatment</i> , 2016, 57, 12692-12699.	1.0	25
495	Application of carbon foam for heavy metal removal from industrial plating wastewater and toxicity evaluation of the adsorbent. <i>Chemosphere</i> , 2016, 153, 1-9.	4.2	57
496	Hexavalent chromium removal from aqueous solutions by a novel powder prepared from <i>Colocasia esculenta</i> leaves. <i>International Journal of Phytoremediation</i> , 2016, 18, 812-821.	1.7	53

#	ARTICLE	IF	CITATIONS
497	Dendrimers, mesoporous silicas and chitosan-based nanosorbents for the removal of heavy-metal ions: A review. <i>International Journal of Biological Macromolecules</i> , 2016, 86, 570-586.	3.6	241
498	Spinel ferrite magnetic adsorbents: Alternative future materials for water purification?. <i>Coordination Chemistry Reviews</i> , 2016, 315, 90-111.	9.5	575
499	Kinetics and mechanism of hexavalent chromium removal by basic oxygen furnace slag. <i>Journal of Environmental Sciences</i> , 2016, 46, 63-71.	3.2	30
500	Cadmium (II) removal mechanisms in microbial electrolysis cells. <i>Journal of Hazardous Materials</i> , 2016, 311, 134-141.	6.5	81
501	The capacity of aquatic macrophytes for phytoremediation and their disposal with specific reference to water hyacinth. <i>Environmental Science and Pollution Research</i> , 2016, 23, 10630-10643.	2.7	73
502	Recent Advancement of Coagulation-Flocculation and Its Application in Wastewater Treatment. <i>Industrial & Engineering Chemistry Research</i> , 2016, 55, 4363-4389.	1.8	744
503	Materials and membrane technologies for water and energy sustainability. <i>Sustainable Materials and Technologies</i> , 2016, 7, 1-28.	1.7	279
504	The journey traversed in the remediation of hexavalent chromium and the road ahead toward greener alternatives-A perspective. <i>Coordination Chemistry Reviews</i> , 2016, 317, 157-166.	9.5	82
505	Magnetic magnetite (Fe ₃ O ₄) nanoparticle synthesis and applications for lead (Pb ²⁺) and chromium (Cr ⁶⁺) removal from water. <i>Journal of Colloid and Interface Science</i> , 2016, 468, 334-346.	5.0	554
506	A review on modification methods to cellulose-based adsorbents to improve adsorption capacity. <i>Water Research</i> , 2016, 91, 156-173.	5.3	795
507	Recent progress in development of high performance polymeric membranes and materials for metal plating wastewater treatment: A review. <i>Journal of Water Process Engineering</i> , 2016, 9, 78-110.	2.6	143
508	Kinetics of Removal of Chromium From Wastewater Using Chitosan-Based Binary Polymer Blends. <i>Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry</i> , 2016, 46, 1310-1317.	0.6	11
509	Perspectives and applications of nanotechnology in water treatment. <i>Environmental Chemistry Letters</i> , 2016, 14, 1-14.	8.3	114
510	A review of technologies for manganese removal from wastewaters. <i>Journal of Environmental Chemical Engineering</i> , 2016, 4, 468-487.	3.3	175
511	Examining regeneration technologies for etching solutions: a critical analysis of the characteristics and potentials. <i>Journal of Cleaner Production</i> , 2016, 113, 973-980.	4.6	30
512	Metal oxides as dual-functional adsorbents/catalysts for Cu ²⁺ /Cr(VI) adsorption and methyl orange oxidation catalysis. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2016, 60, 414-422.	2.7	21
513	Heavy metal removal from aqueous solution by advanced carbon nanotubes: Critical review of adsorption applications. <i>Separation and Purification Technology</i> , 2016, 157, 141-161.	3.9	977
514	Research on a new electrochemical method combined with chemical coagulation in removal of lead, zinc, and copper from wastewater. <i>Desalination and Water Treatment</i> , 2016, 57, 15343-15352.	1.0	6

#	ARTICLE	IF	CITATIONS
515	Synthesis and physicochemical characterization of excellent thermally stable and mercury selective organic-inorganic composite cation exchanger polyvinyl alcohol thorium(IV) phosphate. <i>Desalination and Water Treatment</i> , 2016, 57, 13795-13806.	1.0	8
516	Synthesis and characterization of nanoporous silica SBA-15 diaminocyclohexane and its application in removal of Cu(II) and Ni(II) from aqueous solution. <i>Desalination and Water Treatment</i> , 2016, 57, 15397-15409.	1.0	10
517	Application of reverse osmosis process associated with EDTA complexation for nickel and copper removal from wastewater. <i>Desalination and Water Treatment</i> , 2016, 57, 19466-19474.	1.0	25
518	Selective removal of zinc using tri-ethanolamine-based supported liquid membrane. <i>Desalination and Water Treatment</i> , 2016, 57, 8549-8560.	1.0	9
519	Types of bulk liquid membrane and its membrane resistance in heavy metal removal and recovery from wastewater. <i>Desalination and Water Treatment</i> , 2016, 57, 19785-19793.	1.0	42
520	Adsorption of metal ions from aqueous solution by recycled aggregate: estimation of pretreatment effect. <i>Desalination and Water Treatment</i> , 2016, 57, 9366-9374.	1.0	7
521	Optimization of process parameters for the removal of chromium(VI) and nickel(II) from aqueous solutions by mixed biosorbents (custard apple seeds and <i>Aspergillus niger</i>) using response surface methodology. <i>Desalination and Water Treatment</i> , 2016, 57, 14530-14543.	1.0	33
522	Effect of Cr ⁺³ on the efficiency and performance of the sequencing batch reactor (SBR) system for treatment of tannery industrial wastewater. <i>Desalination and Water Treatment</i> , 2016, 57, 5579-5591.	1.0	3
523	Adsorption of heavy metal from aqueous solution by dehydrated root powder of long-root <i>Eichhornia crassipes</i> . <i>International Journal of Phytoremediation</i> , 2016, 18, 103-109.	1.7	39
524	Comparative study of chitin and chitosan beads for the adsorption of hazardous anionic azo dye Congo Red from wastewater. <i>Desalination and Water Treatment</i> , 2016, 57, 9247-9262.	1.0	35
525	Preparation and characterization of xanthated cotton fiber modified cellulose triacetate ultrafiltration membrane. <i>Desalination and Water Treatment</i> , 2016, 57, 10188-10199.	1.0	0
526	Cu(II) ion removal from aqueous solution using different adsorbents. <i>Desalination and Water Treatment</i> , 2016, 57, 9789-9798.	1.0	7
527	The effect of silica and maghemite nanoparticles on remediation of Cu(II)-, Mn(II)- and U(VI)-contaminated water by <i>Acutodesmus</i> sp.. <i>Journal of Applied Phycology</i> , 2016, 28, 251-260.	1.5	14
528	Sol-gel synthesis, physicochemical characterization, and analytical applications of copper selective composite cation exchanger: Polyvinyl alcohol Ce(IV) phosphate. <i>Polymer Composites</i> , 2017, 38, 332-340.	2.3	3
529	Assessment of heavy metal and bacterial pollution in coastal aquifers from SIPCOT industrial zones, Gulf of Mannar, South Coast of Tamil Nadu, India. <i>Applied Water Science</i> , 2017, 7, 897-913.	2.8	32
530	Zinc selective nano-hybrid cation exchanger carboxymethyl cellulose Zr(IV) tungstate: Sol-gel synthesis, physicochemical characterization, and analytical applications. <i>Polymer Composites</i> , 2017, 38, 2057-2066.	2.3	5
531	Robust Aqua Material: A Pressure-Resistant Self-Assembled Membrane for Water Purification. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 2203-2207.	7.2	27
532	Polyethylene imine-grafted ACF@BiOI _{0.5} Cl _{0.5} as a recyclable photocatalyst for high-efficient dye removal by adsorption-combined degradation. <i>Applied Surface Science</i> , 2017, 403, 80-88.	3.1	16

#	ARTICLE	IF	CITATIONS
533	Robuste "Aqua" Materialien: eine druckstabile, selbstorganisierte Membran zur Wasserreinigung. <i>Angewandte Chemie</i> , 2017, 129, 2237-2242.	1.6	2
534	Removal of lead by solar-photovoltaic electrocoagulation using novel perforated zinc electrode. <i>Journal of Cleaner Production</i> , 2017, 147, 206-216.	4.6	63
535	Uptake of Ni(II) from aqueous solution onto graphene oxide: Investigated by batch and modeling techniques. <i>Journal of Molecular Liquids</i> , 2017, 227, 303-308.	2.3	8
536	Application of House of Quality in assessment of seawater pretreatment technologies. <i>Journal of Cleaner Production</i> , 2017, 148, 223-232.	4.6	24
537	Effective removal of mercury from aqueous solution using thiol-functionalized magnetic nanoparticles. <i>Environmental Nanotechnology, Monitoring and Management</i> , 2017, 7, 130-138.	1.7	20
538	Preparation of a polyvinylidene fluoride tree-like nanofiber mat loaded with manganese dioxide for highly efficient lead adsorption. <i>RSC Advances</i> , 2017, 7, 8220-8229.	1.7	16
539	Barium removal from synthetic natural and produced water using MXene as two dimensional (2-D) nanosheet adsorbent. <i>Chemical Engineering Journal</i> , 2017, 317, 331-342.	6.6	214
540	A unique metallothionein-engineered in <i>Escherichia coli</i> for biosorption of lead, zinc, and cadmium; absorption or adsorption?. <i>Microbiology</i> , 2017, 86, 73-81.	0.5	29
541	Development of electrolyte filtration system for ECM taking into account removal of chromium (VI) ions. <i>Precision Engineering</i> , 2017, 49, 211-219.	1.8	13
542	Adsorption of Cd(II) and Pb(II) by in situ oxidized Fe ₃ O ₄ membrane grafted on 316L porous stainless steel filter tube and its potential application for drinking water treatment. <i>Journal of Environmental Management</i> , 2017, 196, 127-136.	3.8	35
543	Concentration-polarization in nanofiltration of low concentration Cr(VI) aqueous solutions. Effect of operative conditions on retention. <i>Journal of Cleaner Production</i> , 2017, 150, 243-252.	4.6	12
544	Removal of Heavy Metals from Industrial Wastewaters: A Review. <i>ChemBioEng Reviews</i> , 2017, 4, 37-59.	2.6	739
545	Recovery of Co from aqueous solutions using nanodiamonds as solid adsorbents. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2017, 214, 1600477.	0.8	6
546	Transport properties of chitosan membranes for zinc (II) removal from aqueous systems. <i>Separation and Purification Technology</i> , 2017, 179, 428-437.	3.9	18
547	Application of Thermally Modified Fly Ash for Adsorption of Ni(II) and Cr(III) from Aqueous Solution: Equilibrium, Kinetic, and Thermodynamic Studies. <i>Environmental Engineering Science</i> , 2017, 34, 508-515.	0.8	7
548	Evaluation of the chelating performance of biopolyelectrolyte green complexes (NIBPEGCs) for wastewater treatment from the metal finishing industry. <i>Journal of Hazardous Materials</i> , 2017, 335, 18-27.	6.5	31
549	Nickel adsorption onto polyurethane ethylene and vinyl acetate sorbents. <i>Water Science and Technology</i> , 2017, 76, 219-235.	1.2	28
550	A 2D Zn(II) metal-organic framework to show selective removal of Neutral Red (NR) from water. <i>Inorganic Chemistry Communication</i> , 2017, 80, 36-40.	1.8	10

#	ARTICLE	IF	CITATIONS
551	A review of cleaner production in electroplating industries using electrodialysis. <i>Journal of Cleaner Production</i> , 2017, 168, 1590-1602.	4.6	124
552	<i>Electrochemical Technologies for Environmental Remediation.</i> , 2017, , 5-73.		11
553	<i>Enhancing Cleanup of Environmental Pollutants.</i> , 2017, , .		12
554	Evaluation of humic substances removal from leachates originating from solid waste landfills in Rio de Janeiro State, Brazil. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2017, 52, 828-836.	0.9	12
555	Facilitated Transport of Cd(II) Through Supported Liquid Membrane with Tridodecylamine as Carrier. <i>Environmental Engineering Science</i> , 2017, 34, 585-598.	0.8	7
556	Biochar-based water treatment systems as a potential low-cost and sustainable technology for clean water provision. <i>Journal of Environmental Management</i> , 2017, 197, 732-749.	3.8	272
558	Immobilization of 2-amino pyridine onto poly(acrylonitrile-co-N,N'-methylenebisacrylamide) nanoparticles for the removal of Hg(II), Cd(II) and Cr(III): Batch and column techniques. <i>Journal of Environmental Chemical Engineering</i> , 2017, 5, 3560-3571.	3.3	14
559	<i>Pollutant Decontamination from Water: Role of Nanocomposite Materials.</i> , 2017, , 141-182.		3
560	Porous Poly(Ionic Liquid) Membranes as Efficient and Recyclable Absorbents for Heavy Metal Ions. <i>Macromolecular Rapid Communications</i> , 2017, 38, 1700151.	2.0	30
561	Performance improvement of microbial fuel cells for waste water treatment along with value addition: A review on past achievements and recent perspectives. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 79, 372-389.	8.2	144
562	Superb adsorption capacity of hydrothermally synthesized copper oxide and nickel oxide nanoflakes towards anionic and cationic dyes. <i>Journal of Science: Advanced Materials and Devices</i> , 2017, 2, 183-191.	1.5	26
563	Optimization of the operation of packed bed bioreactor to improve the sulfate and metal removal from acid mine drainage. <i>Journal of Environmental Management</i> , 2017, 200, 135-144.	3.8	33
564	<i>Acidithiobacillus ferrooxidans</i> enhanced heavy metals immobilization efficiency in acidic aqueous system through bio-mediated coprecipitation. <i>Transactions of Nonferrous Metals Society of China</i> , 2017, 27, 1156-1164.	1.7	30
565	Silver nanoparticle/r-graphene oxide deposited mesoporous-manganese oxide nanocomposite for pollutant removal and supercapacitor applications. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 15679-15688.	3.8	16
566	Study on competitive adsorption mechanism among oxyacid-type heavy metals in co-existing system: Removal of aqueous As(V), Cr(III) and As(III) using magnetic iron oxide nanoparticles (MIONPs) as adsorbents. <i>Applied Surface Science</i> , 2017, 422, 675-681.	3.1	19
567	UiO-66-(SH) ₂ as stable, selective and regenerable adsorbent for the removal of mercury from water under environmentally-relevant conditions. <i>Faraday Discussions</i> , 2017, 201, 145-161.	1.6	67
568	Utilization of rice husks functionalized with xanthates as cost-effective biosorbents for optimal Cd(II) removal from aqueous solution via response surface methodology. <i>Bioresource Technology</i> , 2017, 241, 1036-1042.	4.8	52
569	Analysis of different current density conditions in the electrodialysis of zinc electroplating process solution. <i>Separation Science and Technology</i> , 2017, 52, 2079-2089.	1.3	13

#	ARTICLE	IF	CITATIONS
570	Application of Sayong Ball Clay Membrane Filtration for Ni (II) Removal from Industrial Wastewater. Journal of Taibah University for Science, 2017, 11, 949-954.	1.1	15
571	Removal of sulfate from mining waters by electrocoagulation. Separation and Purification Technology, 2017, 182, 87-93.	3.9	73
572	Applications of the Biosorption Process for Nickel Removal from Aqueous Solutions – A Review. Chemical Engineering Communications, 2017, 204, 711-722.	1.5	15
573	New efficient chelating polymers based on plastic waste for removal of toxic heavy metal pollutants. Journal of Elastomers and Plastics, 2017, 49, 481-497.	0.7	4
574	Introducing Chirality into Hybrid Clusters from an Achiral Ligand: Synthesis and Characterization of Polyoxomolybdates Containing a Benzylarsonate Group. European Journal of Inorganic Chemistry, 2017, 2017, 1947-1950.	1.0	5
575	Rejection of heavy metals in acidic wastewater by a novel thin-film inorganic forward osmosis membrane. Chemical Engineering Journal, 2017, 320, 532-538.	6.6	87
576	Gamma irradiated orange peel for Cr(VI) bioreduction. Separation Science and Technology, 2017, 52, 2443-2455.	1.3	7
577	Effect of ball milling process on the structure of local clay and its adsorption performance for Ni(II) removal. Applied Clay Science, 2017, 137, 213-224.	2.6	40
578	Adsorption of Toxic Metals on Modified Polyacrylonitrile Nanofibres: A Review. Water, Air, and Soil Pollution, 2017, 228, 1.	1.1	52
579	Response surface methodology approach for optimization of Cu ²⁺ , Ni ²⁺ and Pb ²⁺ adsorption using KOH-activated carbon from banana peel. Surfaces and Interfaces, 2017, 6, 209-217.	1.5	154
580	Photoelectrocatalytic reduction of hexavalent chromium by Ti-doped hydroxyapatite thin film. Molecular Catalysis, 2017, 427, 11-17.	1.0	16
581	Remediation of metal contaminated soil by aluminium pillared bentonite: Synthesis, characterisation, equilibrium study and plant growth experiment. Applied Clay Science, 2017, 137, 115-122.	2.6	73
582	Nanosponge cyclodextrin polyurethanes and their modification with nanomaterials for the removal of pollutants from waste water: A review. Carbohydrate Polymers, 2017, 159, 94-107.	5.1	149
583	Effective factors and kinetics study of zinc ion removal from synthetic wastewater by ion flotation. Separation Science and Technology, 2017, 52, 892-902.	1.3	28
584	Polydopamine-coated open cell polyurethane foam as an efficient and easy-to-regenerate soft structured catalytic support (S 2 CS) for the reduction of dye. Journal of Environmental Chemical Engineering, 2017, 5, 79-85.	3.3	27
585	Recent trends in removal and recovery of heavy metals from wastewater by electrochemical technologies. Reviews in Chemical Engineering, 2017, 33, .	2.3	59
586	Preparing of poly(acrylonitrile co maleic acid) nanofiber mats for removal of Ni(II) and Cr(VI) ions from water. Journal of the Taiwan Institute of Chemical Engineers, 2017, 80, 563-569.	2.7	8
587	Gelatin-bentonite composite as reusable adsorbent for the removal of lead from aqueous solutions: Kinetic and equilibrium studies. Journal of Water Process Engineering, 2017, 20, 40-50.	2.6	18

#	ARTICLE	IF	CITATIONS
588	The effect of electro-activation and eggshell powder on the neutralization of acid mine drainage. <i>Journal of Sustainable Mining</i> , 2017, 16, 73-82.	0.1	1
589	Wastewater Treatment by Heterogeneous Fenton-Like Processes in Continuous Reactors. <i>Handbook of Environmental Chemistry</i> , 2017, , 211-255.	0.2	4
590	Hydrogen inhibition in a wet aluminum dust collection system using dichromate solution. <i>RSC Advances</i> , 2017, 7, 47867-47876.	1.7	16
591	Construction of Layered Double Hydroxides/Hollow Carbon Microsphere Composites and Its Applications for Mutual Removal of Pb(II) and Humic Acid from Aqueous Solutions. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 11268-11279.	3.2	92
592	Yersiniabactin metal binding characterization and removal of nickel from industrial wastewater. <i>Biotechnology Progress</i> , 2017, 33, 1548-1554.	1.3	10
593	Removal of Cd ²⁺ , Zn ²⁺ , and Sr ²⁺ by Ion Flotation, Using a Surface-Active Derivative of DTPA (C ₁₂ -DTPA). <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 10605-10614.	1.8	30
594	Removal of Cd(II) and Pb(II) ions from natural water using a low-cost synthetic mineral: behavior and mechanisms. <i>RSC Advances</i> , 2017, 7, 43445-43454.	1.7	45
595	Recent strategies for the removal of iron from water: A review. <i>Journal of Water Process Engineering</i> , 2017, 19, 291-304.	2.6	135
596	Micro-hydrogel Particles Consisting of Hyperbranched Polyamidoamine for the Removal of Heavy Metal Ions from Water. <i>Scientific Reports</i> , 2017, 7, 10012.	1.6	9
597	Binder-free production of 3D N-doped porous carbon cubes for efficient Pb ²⁺ removal through batch and fixed bed adsorption. <i>Journal of Cleaner Production</i> , 2017, 168, 290-301.	4.6	29
598	A critical review on the prospect of polyaniline-grafted biodegradable nanocomposite. <i>Advances in Colloid and Interface Science</i> , 2017, 249, 2-16.	7.0	70
599	A chelating polymer resin: synthesis, characterization, adsorption and desorption performance for removal of Hg(II) from aqueous solution. <i>Journal of the Iranian Chemical Society</i> , 2017, 14, 2557-2566.	1.2	22
600	Response surface methodology investigation into optimization of the removal condition and mechanism of Cr(III) by Na ₂ SO ₃ /CaO. <i>Journal of Environmental Management</i> , 2017, 202, 38-45.	3.8	15
602	Sustainable Heavy Metal Remediation. <i>Environmental Chemistry for A Sustainable World</i> , 2017, , .	0.3	8
603	Bioelectrochemical Systems for Heavy Metal Removal and Recovery. <i>Environmental Chemistry for A Sustainable World</i> , 2017, , 165-198.	0.3	9
604	Copper removal from industrial wastewater: A comprehensive review. <i>Journal of Industrial and Engineering Chemistry</i> , 2017, 56, 35-44.	2.9	319
605	Cellular concrete-supported cost-effective adsorbents for aqueous arsenic and heavy metals abatement. <i>Journal of Environmental Chemical Engineering</i> , 2017, 5, 3930-3941.	3.3	19
606	Copper, nickel, and zinc cations biosorption properties of Gram-positive and Gram-negative MerP mercury-resistance proteins. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2017, 80, 168-175.	2.7	4

#	ARTICLE	IF	CITATIONS
607	Adsorption of cadmium from aqueous solution using algae waste based adsorbent. AIP Conference Proceedings, 2017, , .	0.3	0
608	Bioassessment of heavy metal toxicity and enhancement of heavy metal removal by sulfate-reducing bacteria in the presence of zero valent iron. Journal of Environmental Management, 2017, 203, 278-285.	3.8	67
609	Efficient Removal of Copper(II) and Malachite Green from Aqueous Solution by Magnetic Magnesium Silicate Composite. Journal of Chemical & Engineering Data, 2017, 62, 3036-3042.	1.0	18
610	Adsorption of heavy metals from wastewater using agricultural industrial wastes as biosorbents. Water Science, 2017, 31, 189-197.	0.5	49
611	Enhanced Removal of Dissolved Hg(II), Cd(II), and Au(III) from Water by <i>Bacillus subtilis</i> Bacterial Biomass Containing an Elevated Concentration of Sulfhydryl Sites. Environmental Science & Technology, 2017, 51, 14360-14367.	4.6	40
612	Cystoseira myricaas for mercury (II) uptake: Isotherm, kinetics, thermodynamic, response surface methodology and fuzzy modeling. Journal of the Taiwan Institute of Chemical Engineers, 2017, 81, 247-257.	2.7	15
613	Microwave-assisted one-step preparation of macadamia nut shell-based activated carbon for efficient adsorption of Reactive Blue. New Journal of Chemistry, 2017, 41, 15373-15383.	1.4	28
614	Tannery wastewater sediments produced by clinoptilolite/polyacrylamide-aided flocculation as a clay additive in brick making. Journal of the Australian Ceramic Society, 2017, 53, 719-731.	1.1	3
615	Novel lignocellulosic wastes for comparative adsorption of Cr(VI): equilibrium kinetics and thermodynamic studies. Polish Journal of Chemical Technology, 2017, 19, 6-15.	0.3	17
616	Optical pH Sensor Covering the Range from pH 0 to 14 Compatible with Mobile-Device Readout and Based on a Set of Rationally Designed Indicator Dyes. Analytical Chemistry, 2017, 89, 8437-8444.	3.2	120
617	Uptake of Cu ²⁺ and Zn ²⁺ from simulated wastewater using muskmelon peel biochar: Isotherm and kinetic studies. Egyptian Journal of Basic and Applied Sciences, 2017, 4, 236-248.	0.2	26
618	Phytic Acid Doped Polyaniline Nanofibers for Enhanced Aqueous Copper(II) Adsorption Capability. ACS Sustainable Chemistry and Engineering, 2017, 5, 6654-6664.	3.2	112
619	Cr(VI) Reduction and Immobilization by Core-Double-Shell Structured Magnetic Polydopamine@Zeolitic Imidazolate Frameworks-8 Microspheres. ACS Sustainable Chemistry and Engineering, 2017, 5, 6795-6802.	3.2	211
620	Facile Preparation of Ion-Imprinted Chitosan Microspheres Enwrapping Fe ₃ O ₄ and Graphene Oxide by Inverse Suspension Cross-Linking for Highly Selective Removal of Copper(II). ACS Sustainable Chemistry and Engineering, 2017, 5, 7401-7409.	3.2	60
621	Remediation techniques applied for aqueous system contaminated by toxic Chromium and Nickel ion. , 2017, 1, 143-153.		16
622	Hydraulic retention time and pH affect the performance and microbial communities of passive bioreactors for treatment of acid mine drainage. AMB Express, 2017, 7, 142.	1.4	41
623	Synthesis of polyaniline based composite material and its analytical applications for the removal of highly toxic Hg ²⁺ metal ion: Antibacterial activity against E. coli. Korean Journal of Chemical Engineering, 2017, 34, 1970-1979.	1.2	24
624	Mass transfer kinetics of Cd(II) ions adsorption by titania polyvinylalcohol-alginate beads from aqueous solution. Chemical Engineering Journal, 2017, 308, 700-709.	6.6	43

#	ARTICLE	IF	CITATIONS
625	Synthesis of a unique nanostructured magnesium oxide coated magnetite cluster composite and its application for the removal of selected heavy metals. <i>Separation and Purification Technology</i> , 2017, 174, 290-300.	3.9	32
626	Nanosilica reinforced ion-exchange polyHIPE type membrane for removal of nickel ions: Preparation, characterization and adsorption studies. <i>Chemical Engineering Journal</i> , 2017, 309, 552-562.	6.6	45
627	Synthesis of poly(styrene-co-methacrylic acid)-coated magnetite nanoparticles as effective adsorbents for the removal of crystal violet and Rhodamine B: a comparative study. <i>Polymer Bulletin</i> , 2017, 74, 1995-2016.	1.7	14
628	Removal of Cr (VI) from aqueous solutions by titanate nanomaterials synthesized via hydrothermal method. <i>Canadian Journal of Chemical Engineering</i> , 2017, 95, 717-723.	0.9	12
629	One neutral metal-organic framework with an unusual dmp topology for adsorption of dyes. <i>Polyhedron</i> , 2017, 121, 231-235.	1.0	17
630	Microbial fuel cell – A novel self-powered wastewater electrolyser for electrocoagulation of heavy metals. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 1813-1819.	3.8	60
631	Investigation of the Electromagnetic Enhancement for the Abatement of Hexavalent Chromium Using Magnetite as Adsorbent. <i>Iranian Journal of Science and Technology, Transaction A: Science</i> , 2017, 41, 859-865.	0.7	2
632	Silica-based optical chemosensors for detection and removal of metal ions. <i>Journal of the Iranian Chemical Society</i> , 2017, 14, 157-176.	1.2	6
633	Removal of Copper ions from aqueous solutions using polymer derivations of poly (styrene-alt-maleic) Tj ETQq0 0 0,rgBT /Overlock 10 TF	1.2	23
634	Superparamagnetic Fe ₃ O ₄ @EDTA nanoparticles as an efficient adsorbent for simultaneous removal of Ag(I), Hg(II), Mn(II), Zn(II), Pb(II) and Cd(II) from water and soil environmental samples. <i>Microchemical Journal</i> , 2017, 131, 51-56.	2.3	119
635	Composite sorbents based on porous ceramic substrate and hybrid amino- and mercapto-silica materials for Ni(II) and Pb(II) ions removal. <i>Separation and Purification Technology</i> , 2017, 175, 391-398.	3.9	29
636	Adsorption Properties of Nano-MnO ₂ -Biochar Composites for Copper in Aqueous Solution. <i>Molecules</i> , 2017, 22, 173.	1.7	81
637	Synthesis and Ion-Exchange Properties of Graphene Th(IV) Phosphate Composite Cation Exchanger: Its Applications in the Selective Separation of Lead Metal Ions. <i>International Journal of Environmental Research and Public Health</i> , 2017, 14, 828.	1.2	9
638	Rapid and Effective Removal of Cu ²⁺ from Aqueous Solution Using Novel Chitosan and Laponite-Based Nanocomposite as Adsorbent. <i>Polymers</i> , 2017, 9, 5.	2.0	29
639	Radioactive Cobalt(II) Removal from Aqueous Solutions Using a Reusable Nanocomposite: Kinetic, Isotherms, and Mechanistic Study. <i>International Journal of Environmental Research and Public Health</i> , 2017, 14, 1453.	1.2	25
640	Preparation of L-Arginine-Modified Silica-Coated Magnetite Nanoparticles for Au(III) Adsorption. <i>Oriental Journal of Chemistry</i> , 2017, 33, 384-395.	0.1	15
641	CO ₂ -Responsive Graft Modified Chitosan for Heavy Metal (Nickel) Recovery. <i>Polymers</i> , 2017, 9, 394.	2.0	26
642	Supported Ionic Liquid Membranes for Metal Separation. , 2017, , .		3

#	ARTICLE	IF	CITATIONS
643	Heavy Metal Contamination of Ground Water from an Unlined Landfill in Bulawayo, Zimbabwe. <i>Journal of Health and Pollution</i> , 2017, 7, 18-27.	1.8	44
644	Removal of Pb(II) from aqueous solutions by <i>Phytolacca americana</i> L. biomass as a low cost biosorbent. <i>Arabian Journal of Chemistry</i> , 2018, 11, 99-110.	2.3	103
645	Dual role of coal fly ash in copper ion adsorption followed by thermal stabilization in a spinel solid solution. <i>RSC Advances</i> , 2018, 8, 8805-8812.	1.7	8
646	Adsorption Kinetics of Toxic Heavy Metal Ions from Aqueous Solutions onto Grafted Jute Fibers with Acrylic Acid by Gamma Irradiation. <i>Journal of Natural Fibers</i> , 2018, 15, 506-516.	1.7	20
647	Continuous removal of copper, magnesium, and nickel from industrial wastewater utilizing the natural product yersiniabactin immobilized within a packed-bed column. <i>Chemical Engineering Journal</i> , 2018, 343, 173-179.	6.6	23
648	Remove heavy metals from groundwater using carbon nanotubes grafted with amino compound. <i>Separation Science and Technology</i> , 2018, 53, 1698-1702.	1.3	6
649	Optimization and assessment of Fe ^{III} electrocoagulation for the removal of potentially toxic metals from real smelting wastewater. <i>Journal of Environmental Management</i> , 2018, 218, 129-138.	3.8	48
650	An Environment-Friendly Strategy for One-Step Turning Cr(VI) Contaminant into a Cr-Loaded Catalyst for CO ₂ Utilization. <i>Advanced Sustainable Systems</i> , 2018, 2, 1700165.	2.7	10
651	Purification of residual leach liquors from hydrometallurgical process of NiMH spent batteries through micellar enhanced ultra filtration. <i>Journal of Environmental Management</i> , 2018, 215, 377-384.	3.8	15
652	Complete Column Trials for Water Refinement Using Titanium(IV) Phosphate Sorbents. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 6157-6165.	3.2	6
653	Lignin/Chitin Films and Their Adsorption Characteristics for Heavy Metal Ions. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 6965-6973.	3.2	64
654	Bioremoval of Lead (II) and Cadmium (II) in Single and Multicomponent Systems Using <i>Penicillium</i> sp.. <i>Key Engineering Materials</i> , 0, 762, 93-98.	0.4	12
655	Overview of As(V) adsorption on Zr-functionalized activated carbon for aqueous streams remediation. <i>Journal of Environmental Management</i> , 2018, 212, 121-130.	3.8	25
656	Facile fabrication of robust MOF membranes on cloth via a CMC macromolecule bridge for highly efficient Pb(II) removal. <i>Chemical Engineering Journal</i> , 2018, 339, 230-239.	6.6	102
657	Specially designed B ₄ C/SnO ₂ nanocomposite for photocatalysis: traditional ceramic with unique properties. <i>Applied Nanoscience (Switzerland)</i> , 2018, 8, 1-9.	1.6	56
658	Synthesis of a three-dimensional network sodium alginate-poly(acrylic acid)/attapulgitite hydrogel with good mechanic property and reusability for efficient adsorption of Cu ²⁺ and Pb ²⁺ . <i>Environmental Chemistry Letters</i> , 2018, 16, 653-658.	8.3	35
659	Recovery of rare-earth metal neodymium from aqueous solutions by poly-L-glutamic acid and its sodium salt as biosorbents: Effects of solution pH on neodymium recovery mechanisms. <i>Journal of Rare Earths</i> , 2018, 36, 528-536.	2.5	24
660	A comprehensive study for selective removal of Cr(VI) by asymmetric imidazolium bromide salts as environmentally-friendly extractant. <i>Journal of Dispersion Science and Technology</i> , 2018, 39, 802-813.	1.3	1

#	ARTICLE	IF	CITATIONS
661	Electronic and metagenomic insights into the performance of bioelectrochemical reactor simultaneously treating sewage sludge and Cr(VI)-laden wastewater. <i>Chemical Engineering Journal</i> , 2018, 341, 495-504.	6.6	13
662	A green method to synthesize flowerlike Fe(OH) ₃ microspheres for enhanced adsorption performance toward organic and heavy metal pollutants. <i>Journal of Environmental Sciences</i> , 2018, 73, 47-57.	3.2	45
663	The effective removal of mercury ions (Hg ²⁺) from water using cadmium sulfide nanoparticles doped in polycaprolactam nanofibers: kinetic and equilibrium studies. <i>Journal of the Iranian Chemical Society</i> , 2018, 15, 743-751.	1.2	14
664	Microcystin biosynthesis in <i>Microcystis aeruginosa</i> : Indirect regulation by iron variation. <i>Ecotoxicology and Environmental Safety</i> , 2018, 148, 942-952.	2.9	13
665	Application of electrodialysis for the removal of As from metallurgical process waters: Recovery of Cu and Zn. <i>Separation and Purification Technology</i> , 2018, 195, 404-412.	3.9	51
666	New acrylamide-based monomer containing metal chelating units: homopolymer grafted magnetite nanoparticles via ATRP for the magnetic removal of Co(II) ions. <i>Polymers for Advanced Technologies</i> , 2018, 29, 1206-1218.	1.6	7
667	Removal of toxic elements from wastewater generated in the decontamination of CCA-treated <i>Eucalyptus</i> sp. and <i>Pinus canadense</i> wood. <i>Journal of Material Cycles and Waste Management</i> , 2018, 20, 1299-1309.	1.6	4
668	Fate and removal of metals in municipal wastewater treatment: a review. <i>Environmental Technology Reviews</i> , 2018, 7, 1-18.	2.1	45
669	A Comparative Study of Batch and Continuous Bulk Liquid Membranes in the Removal and Recovery of Cu(II) Ions from Wastewater. <i>Water, Air, and Soil Pollution</i> , 2018, 229, 1.	1.1	15
670	Cadmium biosorption by alginate extraction waste and process overview in Life Cycle Assessment context. <i>Journal of Cleaner Production</i> , 2018, 178, 166-175.	4.6	64
671	Enhanced removal of acetaminophen from synthetic wastewater using multi-walled carbon nanotubes (MWCNTs) chemically modified with NaOH, HNO ₃ /H ₂ SO ₄ , ozone, and/or chitosan. <i>Journal of Molecular Liquids</i> , 2018, 251, 369-377.	2.3	74
672	Green and Sustainable Solvents in Chemical Processes. <i>Chemical Reviews</i> , 2018, 118, 747-800.	23.0	1,253
673	Investigation of an eco-friendly aerogel as a substrate for the immobilization of MoS ₂ nanoflowers for removal of mercury species from aqueous solutions. <i>Journal of Colloid and Interface Science</i> , 2018, 525, 251-259.	5.0	27
674	Fixed-bed operation for manganese removal from water using chitosan/bentonite/MnO composite beads. <i>Environmental Science and Pollution Research</i> , 2018, 25, 18081-18095.	2.7	16
675	Spatio-temporal data mining and modeling: distribution pattern and governance input efficiency of heavy metal emission in industrial wastewater, China. <i>Journal of Water and Climate Change</i> , 2018, 9, 307-321.	1.2	4
676	Improvement of cadmium phytoremediation by <i>Centella asiatica</i> L. after soil inoculation with cadmium-resistant <i>Enterobacter</i> sp. FM-1. <i>Chemosphere</i> , 2018, 202, 280-288.	4.2	39
677	Experimental and theoretical study of Co sorption in clay montmorillonites. <i>Materials Research Express</i> , 2018, 5, 035519.	0.8	5
678	Study on the electro-dialytic nickel concentration from electroplating industry waste. <i>Separation Science and Technology</i> , 2018, 53, 1241-1248.	1.3	10

#	ARTICLE	IF	CITATIONS
679	Prevalence of exposure of heavy metals and their impact on health consequences. <i>Journal of Cellular Biochemistry</i> , 2018, 119, 157-184.	1.2	859
680	Removal of Cu(II) in water by polymer enhanced ultrafiltration: Influence of polymer nature and pH. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2018, 53, 33-38.	0.9	13
681	Bio- and Nanosorbents from Natural Resources. <i>Springer Series on Polymer and Composite Materials</i> , 2018, , .	0.5	0
682	Pb(II) sorption from aqueous solution by novel biochar loaded with nano-particles. <i>Chemosphere</i> , 2018, 192, 1-4.	4.2	88
683	Recent Advancement in Membrane Technology for Water Purification. , 2018, , 147-167.		6
684	Selective zinc recovery from electroplating wastewaters by electrodialysis enhanced with complex formation. <i>Separation and Purification Technology</i> , 2018, 192, 419-428.	3.9	71
685	Modern Age Environmental Problems and their Remediation. , 2018, , .		18
686	Nanostructured photocatalysis in the visible spectrum for the decontamination of air and water. <i>International Materials Reviews</i> , 2018, 63, 257-282.	9.4	36
687	Lead and cadmium remediation using magnetized and nonmagnetized biochar from Douglas fir. <i>Chemical Engineering Journal</i> , 2018, 331, 480-491.	6.6	169
688	Anti-organic fouling and anti-biofouling poly(piperazineamide) thin film nanocomposite membranes for low pressure removal of heavy metal ions. <i>Journal of Hazardous Materials</i> , 2018, 343, 86-97.	6.5	90
689	Ceria high aspect ratio nanostructures supported on carbon for hydrogen peroxide electrogeneration. <i>Electrochimica Acta</i> , 2018, 259, 865-872.	2.6	54
690	Sulfite assisted rotating disc electrocoagulation on cadmium removal: Parameter optimization and response surface methodology. <i>Separation and Purification Technology</i> , 2018, 195, 121-129.	3.9	20
691	Chromium tolerance, bioaccumulation and localization in plants: An overview. <i>Journal of Environmental Management</i> , 2018, 206, 715-730.	3.8	132
692	Efficient Removal of Polycyclic Aromatic Hydrocarbons, Dyes, and Heavy Metal Ions by a Homopolymer Vesicle. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 713-722.	4.0	65
693	Adsorption of mercury ions from wastewater aqueous solution by amide functionalized cellulose from sugarcane bagasse. <i>International Journal of Biological Macromolecules</i> , 2018, 108, 1199-1206.	3.6	58
694	Alginate-Based Nanosorbents for Water Remediation. <i>Springer Series on Polymer and Composite Materials</i> , 2018, , 103-121.	0.5	0
695	A review of the applications of organo-functionalized magnetic graphene oxide nanocomposites for heavy metal adsorption. <i>Chemosphere</i> , 2018, 193, 1004-1017.	4.2	329
696	In situ Carbothermal Synthesis of Nanoscale Zero-Valent Iron Functionalized Porous Carbon from Metal-Organic Frameworks for Efficient Detoxification of Chromium(VI). <i>European Journal of Inorganic Chemistry</i> , 2018, 2018, 23-30.	1.0	34

#	ARTICLE	IF	CITATIONS
697	Physical-chemical treatment of rainwater runoff in recovery and recycling companies: lab-scale investigation. <i>Environmental Technology (United Kingdom)</i> , 2018, 39, 2251-2265.	1.2	2
698	Removal of zinc (II) ion from aqueous solution by adsorption onto activated palm midrib bio-sorbent. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018, 334, 012027.	0.3	6
699	Preparation of cellulose acetate blended with chitosan nanostructured membrane via electrospinning for Cd ²⁺ adsorption in artificial wastewater. <i>IOP Conference Series: Earth and Environmental Science</i> , 2018, 191, 012137.	0.2	7
700	Preparation of the ramulus mori-based adsorbent and its adsorption performance for heavy metals ions. <i>IOP Conference Series: Earth and Environmental Science</i> , 0, 189, 032045.	0.2	1
701	Strategic Design of Heavy Metals Removal Agents through Zeta Potential Measurements. , 2018, , .		0
702	Comparison of heavy metal removals from aqueous solutions by chemical precipitation and characteristics of precipitates. <i>Journal of Water Process Engineering</i> , 2018, 26, 289-300.	2.6	429
703	Optimization-Based Input/Output Linearizing Control Strategy for a pH Process with Multiple Titrant Streams. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 13793-13801.	1.8	5
704	Efficient Removal of Lead from Washing Effluent of Lead-contaminated Soil with Garlic Peel. <i>Chemical Research in Chinese Universities</i> , 2018, 34, 1020-1027.	1.3	7
705	An exploratory study using QICAR models for prediction of adsorption capacity of multi-walled carbon nanotubes for heavy metal ions. <i>SAR and QSAR in Environmental Research</i> , 2018, 29, 997-1009.	1.0	5
706	Synthesis of Nanozeolites/Carbon Composites for the Adsorption of Bivalent Copper. <i>Journal of Water Chemistry and Technology</i> , 2018, 40, 272-278.	0.2	2
707	Novel Polymer Material for Efficiently Removing Methylene Blue, Cu(II) and Emulsified Oil Droplets from Water Simultaneously. <i>Polymers</i> , 2018, 10, 1393.	2.0	15
708	Can Microbially Induced Calcite Precipitation (MICP) through a Ureolytic Pathway Be Successfully Applied for Removing Heavy Metals from Wastewaters?. <i>Crystals</i> , 2018, 8, 438.	1.0	65
709	A Novel Process for the Treatment of Copper-Smelting Waste Acid with a High Arsenic Concentration. <i>Jom</i> , 2018, 70, 2022-2026.	0.9	9
710	Recent Application of the Various Nanomaterials and Nanocatalysts for the Heavy Metals TM Removal from Wastewater. <i>Nano</i> , 2018, 13, 1830006.	0.5	15
711	Adsorption and Reduction of Cr(VI) Together with Cr(III) Sequestration by Polyaniline Confined in Pores of Polystyrene Beads. <i>Environmental Science & Technology</i> , 2018, 52, 12602-12611.	4.6	172
712	Fabrication of Novel Cyanuric Acid Modified g-C ₃ N ₄ /Kaolinite Composite with Enhanced Visible Light-Driven Photocatalytic Activity. <i>Minerals (Basel, Switzerland)</i> , 2018, 8, 437.	0.8	21
713	Using Recombinant E. coli Displaying Surface Heavy Metal Binding Proteins for Removal of Pb ²⁺ from Contaminated Water. <i>Journal of Bioremediation & Biodegradation</i> , 2018, 09, .	0.5	3
714	Qualitative and quantitative correlation of physicochemical characteristics and lead sorption behaviors of crop residue-derived chars. <i>Bioresource Technology</i> , 2018, 270, 545-553.	4.8	55

#	ARTICLE	IF	CITATIONS
715	Biopolymer foam for remediation of aquatic environments contaminated with particulates and heavy metals. <i>Journal of Environmental Chemical Engineering</i> , 2018, 6, 6131-6138.	3.3	15
716	Graphene Oxide (GO)-Blended Polysulfone (PSf) Ultrafiltration Membranes for Lead Ion Rejection. <i>Membranes</i> , 2018, 8, 77.	1.4	37
717	Tailoring of carbon nanotubes for the adsorption of heavy metal ions: molecular dynamics and experimental investigations. <i>Molecular Systems Design and Engineering</i> , 2018, 3, 917-929.	1.7	20
718	Functionalized Polyvinylidene Fluoride Electrospun Nanofibers and Applications. , 2018, , .		7
719	History, Classification, Properties and Application of Hydrogels: An Overview. <i>Gels Horizons: From Science To Smart Materials</i> , 2018, , 29-50.	0.3	26
720	Enhanced Treatment Ability of Membrane Technology by Integrating an Electric Field for Dye Wastewater Treatment: A Review. <i>Journal of AOAC INTERNATIONAL</i> , 2018, 101, 1341-1352.	0.7	23
721	Purity and mechanical strength of naturally frozen ice in wastewater basins. <i>Water Research</i> , 2018, 145, 418-428.	5.3	9
722	Nanourchin ZnO@TiCN composites for Cr (VI) adsorption and thermochemical remediation. <i>Journal of Environmental Chemical Engineering</i> , 2018, 6, 3837-3848.	3.3	14
723	Solid-liquid separation: an emerging issue in heavy metal wastewater treatment. <i>Environmental Science and Pollution Research</i> , 2018, 25, 17250-17267.	2.7	24
724	Precious Metals Recovery from Electroplating Wastewater: A Review. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018, 358, 012024.	0.3	21
725	Removal of Cu ²⁺ and Ni ²⁺ from aqueous solution using SnO ₂ nanomaterial effect of: pH, time, temperature, interfering cations. <i>Microchemical Journal</i> , 2018, 141, 188-196.	2.3	21
726	Environmentally available biowastes as substrate in microbial fuel cell for efficient chromium reduction. <i>Journal of Hazardous Materials</i> , 2018, 355, 197-205.	6.5	51
727	Water purification by using Adsorbents: A Review. <i>Environmental Technology and Innovation</i> , 2018, 11, 187-240.	3.0	651
728	Hexavalent Chromium removal from simulated and real effluents using <i>Artocarpus heterophyllus</i> peel biosorbent - Batch and continuous studies. <i>Journal of Molecular Liquids</i> , 2018, 265, 779-790.	2.3	61
729	Walnut shell treated with citric acid and its application as biosorbent in the removal of Zn(II). <i>Journal of Water Process Engineering</i> , 2018, 25, 45-53.	2.6	50
730	Nanosized Oxides of Different Compositions as Adsorbents for Hazardous Substances Removal from Aqueous Solutions and Wastewaters. <i>Springer Proceedings in Physics</i> , 2018, , 103-126.	0.1	1
731	Feasibility Assessment of Chromium Removal from Groundwater for Drinking Purposes by Sorption on Granular Activated Carbon and Strong Base Anion Exchange. <i>Water, Air, and Soil Pollution</i> , 2018, 229, 1.	1.1	3
732	Nanoadsorbents-based polymer nanocomposite for environmental remediation. , 2018, , 243-260.		6

#	ARTICLE	IF	CITATIONS
733	Mechanistic understanding and holistic approach of phytoremediation: A review on application and future prospects. <i>Ecological Engineering</i> , 2018, 120, 274-298.	1.6	275
734	The influence of Magnafloc10 on the acidic, alkaline, and electro-dialytic desorption of metals from mine tailings. <i>Journal of Environmental Management</i> , 2018, 224, 130-139.	3.8	5
735	Removal of hexavalent chromium from water by modified sponge iron particles and insights into mechanism. <i>Environmental Science and Pollution Research</i> , 2018, 25, 26173-26181.	2.7	6
736	<i>Chlamydomonas angulosa</i> (Green Alga) and <i>Nostoc commune</i> (Blue-Green Alga) Microalgae-Cellulose Composite Aerogel Beads: Manufacture, Physicochemical Characterization, and Cd (II) Adsorption. <i>Materials</i> , 2018, 11, 562.	1.3	8
737	A Novel Early Warning System Based on a Sediment Microbial Fuel Cell for In Situ and Real Time Hexavalent Chromium Detection in Industrial Wastewater. <i>Sensors</i> , 2018, 18, 642.	2.1	39
738	Evaluation of chromium removal efficiency at varying operating conditions of a novel bioelectrochemical system. <i>Bioprocess and Biosystems Engineering</i> , 2018, 41, 1547-1554.	1.7	7
739	Removal of antimonate (Sb(V)) and antimonite (Sb(III)) from aqueous solutions by coagulation-flocculation-sedimentation (CFS): Dependence on influencing factors and insights into removal mechanisms. <i>Science of the Total Environment</i> , 2018, 644, 1277-1285.	3.9	59
740	Optimization of flocculation conditions for soluble cadmium removal using the composite flocculant of green anion polyacrylamide and PAC by response surface methodology. <i>Science of the Total Environment</i> , 2018, 645, 267-276.	3.9	44
741	Preparation and Evaluation of Adsorbents from Coal and <i>Irvingia gabonensis</i> Seed Shell for the Removal of Cd(II) and Pb(II) Ions from Aqueous Solutions. <i>Frontiers in Chemistry</i> , 2017, 5, 132.	1.8	15
742	Glutathione-functionalized melamine sponge, a mimic of a natural antidote, as a quick responsive adsorbent for efficient removal of Hg(II) from aqueous solutions. <i>Environmental Chemistry Letters</i> , 2018, 16, 1429-1434.	8.3	17
743	Adsorption of nickel(II) and chromium(III) from aqueous phases on raw smectite: kinetic and thermodynamic studies. <i>Arabian Journal of Geosciences</i> , 2018, 11, 1.	0.6	7
744	A novel magnetic biosorbent prepared using an oak shell waste material as an efficient adsorbent for consecutive removal of Pb ²⁺ , Ag ⁺ , Ba ²⁺ , Sr ²⁺ , and CrO ₄ ²⁻ from aqueous solutions. <i>Comptes Rendus Chimie</i> , 2018, 21, 840-853.	0.2	4
745	Effects of Aquaculture on Lakes in the Central Yangtze River Basin, China, <sc>III</sc>: Heavy Metals. <i>North American Journal of Aquaculture</i> , 2018, 80, 436-446.	0.7	9
746	EDTA-Fe(III) Fenton-like oxidation for the degradation of malachite green. <i>Journal of Environmental Management</i> , 2018, 226, 256-263.	3.8	74
747	Removal of acetaminophen from synthetic wastewater in a fixed-bed column adsorption using low-cost coconut shell waste pretreated with NaOH, HNO ₃ , ozone, and/or chitosan. <i>Journal of Environmental Management</i> , 2018, 226, 365-376.	3.8	91
748	Ocean-based sorbents for decontamination of metal-bearing wastewaters: a review. <i>Environmental Technology Reviews</i> , 2018, 7, 139-155.	2.1	12
749	Effective removal of bovine serum albumin and humic acid contaminants using poly (amide imide) nanocomposite ultrafiltration membranes tailored with GO and MoS ₂ nanosheets. <i>Materials Chemistry and Physics</i> , 2018, 216, 170-176.	2.0	24
750	Fundamental challenges and engineering opportunities in flue gas desulfurization wastewater treatment at coal fired power plants. <i>Environmental Science: Water Research and Technology</i> , 2018, 4, 909-925.	1.2	62

#	ARTICLE	IF	CITATIONS
751	Comparative assessment on lead removal using micellar-enhanced ultrafiltration (MEUF) based on a type-2 fuzzy logic and response surface methodology. <i>Separation and Purification Technology</i> , 2018, 207, 28-41.	3.9	42
752	Efficient removal of Co(II), Ni(II), and Zn(II) metal ions from binary and ternary solutions using a pH responsive bifunctional graft copolymer. <i>Colloid and Polymer Science</i> , 2018, 296, 1275-1291.	1.0	25
753	Adsorption and thermodynamic mechanisms of manganese removal from aqueous media by biowaste-derived biochars. <i>Journal of Molecular Liquids</i> , 2018, 266, 373-380.	2.3	62
754	Brown marine macroalgae as natural cation exchangers for toxic metal removal from industrial wastewaters: A review. <i>Journal of Environmental Management</i> , 2018, 223, 215-253.	3.8	68
755	A Review on Heavy Metal Ions and Dye Adsorption from Water by Agricultural Solid Waste Adsorbents. <i>Water, Air, and Soil Pollution</i> , 2018, 229, 1.	1.1	358
756	Magnetic chitosan/sodium alginate gel bead as a novel composite adsorbent for Cu(II) removal from aqueous solution. <i>Environmental Geochemistry and Health</i> , 2019, 41, 297-308.	1.8	28
757	Influence of chemical speciation on the separation of metal ions from chelating agents by nanofiltration membranes. <i>Separation Science and Technology</i> , 2019, 54, 143-152.	1.3	6
758	Varying concentrations of soil chromium (VI) for the exploration of tolerance thresholds and phytoremediation potential of the oregano (<i>Origanum vulgare</i>). <i>Environmental Science and Pollution Research</i> , 2019, 26, 14-23.	2.7	27
759	Wood-based biochar for the removal of potentially toxic elements in water and wastewater: a critical review. <i>International Materials Reviews</i> , 2019, 64, 216-247.	9.4	355
760	Characteristics, performances, equilibrium and kinetic modeling aspects of heavy metal removal using algae. <i>Bioresource Technology Reports</i> , 2019, 5, 261-279.	1.5	91
761	Challenges facing copper-plated metallisation for silicon photovoltaics: Insights from integrated circuit technology development. <i>Progress in Photovoltaics: Research and Applications</i> , 2019, 27, 67-97.	4.4	43
762	Transport and surface charge density of univalent ion of polyvinyl chloride-based barium tungstate ion-exchange composite membrane for industrial separation of waste water. <i>Journal of Industrial Textiles</i> , 2019, 49, 584-596.	1.1	4
763	Nanotechnology-based water quality management for wastewater treatment. <i>Environmental Chemistry Letters</i> , 2019, 17, 65-121.	8.3	105
764	Bioreduction of toxic hexavalent chromium by novel indigenous microbe <i>Brevibacillus agri</i> isolated from tannery wastewater. <i>International Journal of Environmental Science and Technology</i> , 2019, 16, 3549-3556.	1.8	12
765	Electrocoagulation process for propiconazole elimination from wastewater: experimental design for correlative modeling and optimization. <i>International Journal of Environmental Science and Technology</i> , 2019, 16, 5409-5420.	1.8	20
766	Competition of mixed divalent ions through supported liquid membranes: Co-ion and concentration effects on permeability. <i>Korean Journal of Chemical Engineering</i> , 2019, 36, 1328-1338.	1.2	4
767	<i>Desulfosporosinus</i> spp. were the most predominant sulfate-reducing bacteria in pilot- and laboratory-scale passive bioreactors for acid mine drainage treatment. <i>Applied Microbiology and Biotechnology</i> , 2019, 103, 7783-7793.	1.7	29
768	Adsorptive Removal of Aqueous Phase Copper (Cu ²⁺) and Nickel (Ni ²⁺) Metal Ions by Synthesized Biochar-Biopolymeric Hybrid Adsorbents and Process Optimization by Response Surface Methodology (RSM). <i>Water, Air, and Soil Pollution</i> , 2019, 230, 1.	1.1	36

#	ARTICLE	IF	CITATIONS
769	Mono and Poly-Cationic Adsorption of Heavy Metals Using Natural Glauconite. Minerals (Basel,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 74	0.8	15
770	An overview on pollutants removal from aqueous solutions via bulk liquid membranes (BLMs): Parameters that influence the effectiveness, selectivity and transport kinetic. Journal of Environmental Chemical Engineering, 2019, 7, 103339.	3.3	13
771	Ultrasonic assisted adsorptive removal of toxic heavy metals from environmental samples using functionalized silica-coated magnetic multiwall carbon nanotubes (MagMWCNTs@SiO ₂). Engineering in Agriculture, Environment and Food, 2019, 12, 435-442.	0.2	6
772	Recent advances in hexavalent chromium removal from aqueous solutions by adsorptive methods. RSC Advances, 2019, 9, 26142-26164.	1.7	202
773	Fractional and structural characterization of lignin and its modification as biosorbents for efficient removal of chromium from wastewater: a review. Journal of Leather Science and Engineering, 2019, 1, .	2.7	84
774	A simple magnetite nanoparticle immobilized thermoresponsive polymer synthesis for heavy metal ion recovery. Powder Technology, 2019, 355, 183-190.	2.1	22
775	The effect of saw dust in a flocculent with bentonite clay and FeSO ₄ in AMD treatment without addition of a neutralizer. Water Practice and Technology, 2019, 14, 633-644.	1.0	3
776	Adsorption of Cu(II) onto Fe(III)-Modified Montmorillonite - Kinetic, Isotherm, and Thermodynamic Studies. IOP Conference Series: Materials Science and Engineering, 2019, 540, 012004.	0.3	3
777	Modeling and optimization of pertraction performance of heavy metal ion from aqueous solutions using M2EHPA/D2EHPA: Application of response surface methodology. Environmental Technology and Innovation, 2019, 15, 100432.	3.0	25
778	Sustainability of dairy and soy processing: A review on wastewater recycling. Journal of Cleaner Production, 2019, 237, 117821.	4.6	97
779	Life cycle assessment of emerging Ni ²⁺ /Co hydroxide charge storage electrodes: impact of graphene oxide and synthesis route. RSC Advances, 2019, 9, 18853-18862.	1.7	10
780	Selective separation of copper from copper-smelting waste acid by potential control. Metallurgical Research and Technology, 2019, 116, 409.	0.4	2
781	Lactic acid and its separation and purification techniques: A review. Reviews in Environmental Science and Biotechnology, 2019, 18, 823-853.	3.9	33
782	Sirolimus therapy for kaposiform hemangioendothelioma with long-term follow-up. Journal of Dermatology, 2019, 46, 956-961.	0.6	32
783	A Review of Flexible Processes and Operations. Production and Operations Management, 2021, 30, 1804-1824.	2.1	17
784	Designing yeast as plant-like hyperaccumulators for heavy metals. Nature Communications, 2019, 10, 5080.	5.8	46
785	Modified-Nano-Adsorbents for Nitrate Efficient Removal: A Review. Journal of Applied Membrane Science & Technology, 2019, 23, .	0.3	1
786	An overview of treatment technologies for the removal of emerging and nanomaterials contaminants from municipal and industrial wastewater. , 2019, , 3-40.		5

#	ARTICLE	IF	CITATIONS
787	Synthesis of biosorbents from natural/agricultural biomass wastes and sustainable green technology for treatment of nanoparticle metals in municipal and industrial wastewater. , 2019, , 83-104.		5
788	Adsorption and photocatalytic degradation of methylene blue by titanium dioxide nanotubes at different pH conditions. <i>Advances in Natural Sciences: Nanoscience and Nanotechnology</i> , 2019, 10, 045011.	0.7	7
789	Zinc Adsorption by Activated Carbon Prepared from Lignocellulosic Waste Biomass. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 4583.	1.3	22
790	Palladium-Catalyzed Allylic Alkylation of Aldimine Esters with Vinyl-Cyclopropanes to Yield β -Disubstituted α -Amino Acid Derivatives. <i>Advanced Synthesis and Catalysis</i> , 2019, 361, 5105-5111.	2.1	10
791	Lime treatment of wastewater in a plywood industry to achieve the zero liquid discharge. <i>Journal of Cleaner Production</i> , 2019, 240, 118176.	4.6	11
792	Extraction of Heavy Metal Ions from Water Using the Phosphorylated Carbon Sorbent Based on Natural Raw Material. <i>Journal of Water Chemistry and Technology</i> , 2019, 41, 242-247.	0.2	2
793	Enhanced removal of hexavalent chromium by engineered biochar composite fabricated from phosphogypsum and distillers grains. <i>Science of the Total Environment</i> , 2019, 697, 134119.	3.9	93
794	Fluorescence Characteristics of Aqueous Synthesized Tin Oxide Quantum Dots for the Detection of Heavy Metal Ions in Contaminated Water. <i>Nanomaterials</i> , 2019, 9, 1294.	1.9	23
795	Adsorption of chromium (III) from aqueous solution using vesicular basalt rock. <i>Cogent Environmental Science</i> , 2019, 5, 1650416.	1.6	37
796	Preparation and Heavy Metal Ions Chelating Properties of Multifunctional Polymer-Grafted Silica Hybrid Materials. <i>Advances in Materials Science and Engineering</i> , 2019, 2019, 1-11.	1.0	10
797	Prospect of Bioactive Glass Ceramic Adsorption for Copper Ions Removal from Water. <i>Silicon</i> , 2019, 11, 1835-1843.	1.8	2
798	Adsorption properties of Pb^{2+} on thermal-activated serpentine. <i>Separation Science and Technology</i> , 2019, 54, 3037-3045.	1.3	8
799	Morphology, Modification and Characterisation of Electrospun Polymer Nanofiber Adsorbent Material Used in Metal Ion Removal. <i>Journal of Polymers and the Environment</i> , 2019, 27, 1843-1860.	2.4	44
800	Preparation of thin film composite nano-filtration membranes for brackish water softening based on the reaction between functionalized UF membranes and polyethyleneimine. <i>Journal of Membrane Science</i> , 2019, 588, 117207.	4.1	29
801	Easy fabrication of mussel inspired coated foam and its optimization for the facile removal of copper from aqueous solutions. <i>Journal of Colloid and Interface Science</i> , 2019, 552, 401-411.	5.0	18
802	Multicavity triethylenetetramine-chitosan/alginate composite beads for enhanced Cr(VI) removal. <i>Journal of Cleaner Production</i> , 2019, 231, 733-745.	4.6	120
803	Isolated cellulose nanofibers for Cu (II) and Zn (II) removal: performance and mechanisms. <i>Carbohydrate Polymers</i> , 2019, 221, 231-241.	5.1	69
804	Assessment of heavy metal pollution from anthropogenic activities and remediation strategies: A review. <i>Journal of Environmental Management</i> , 2019, 246, 101-118.	3.8	568

#	ARTICLE	IF	CITATIONS
805	Effectiveness of natural adsorbents in reducing Cu and Pb content of chemistry laboratory's wastewater treatment. IOP Conference Series: Materials Science and Engineering, 2019, 509, 012134.	0.3	1
806	Trimellitic acid functionalized magnetite nanoparticles for the efficient removal of Pb(II) and Cr(VI) from wastewater streams. Korean Journal of Chemical Engineering, 2019, 36, 860-868.	1.2	7
807	Synthesized Nano particle derivation of poly (Styrene-co-Maleic Anhydride) and sour cherry Rock for removing nickel (II) ion from aqueous solutions. Toxicology Reports, 2019, 6, 590-597.	1.6	5
808	Decontamination of Mercury-Containing Aqueous Streams by Electrochemical Alloy Formation on Copper. Industrial & Engineering Chemistry Research, 2019, 58, 9166-9172.	1.8	7
809	Removal of Zn (II) and Cu (II) Ions from Industrial Wastewaters Using Magnetic Biochar Derived from Water Hyacinth. Journal of Engineering (United States), 2019, 2019, 1-11.	0.5	34
810	Experimental and modeling studies on Cd (II) ions extraction by emulsion liquid membrane using Triton X-100 as biodegradable surfactant. Journal of Environmental Chemical Engineering, 2019, 7, 103166.	3.3	26
811	Direct/Alternating Current Electrochemical Method for Removing and Recovering Heavy Metal from Water Using Graphene Oxide Electrode. ACS Nano, 2019, 13, 6431-6437.	7.3	181
812	Biosorption of Heavy Metals and Dyes from Industrial Effluents by Microalgae. , 2019, , 599-634.		18
813	Chromium removal from contaminated waters using nanomaterials - A review. TrAC - Trends in Analytical Chemistry, 2019, 118, 277-291.	5.8	103
814	Comparative Sorption of Nickel from an Aqueous Solution Using Biochar Derived from Banana and Orange Peel Using a Batch System: Kinetic and Isotherm Models. Arabian Journal for Science and Engineering, 2019, 44, 10105-10116.	1.7	6
815	Simultaneous Determination of Zn(II), Cd(II), Pb(II), and Cu(II) Using Differential Pulse Anodic Stripping Voltammetry at a Bismuth Film-Modified Electrode. Advances in Materials Science and Engineering, 2019, 2019, 1-11.	1.0	36
816	Inorganic and Hybrid (Organic-Inorganic) Lamellar Materials for Heavy metals and Radionuclides Capture in Energy Wastes Management - A Review. Materials, 2019, 12, 1399.	1.3	37
818	A review of electrodeposited Ni-Co alloy and composite coatings: Microstructure, properties and applications. Surface and Coatings Technology, 2019, 372, 463-498.	2.2	161
819	Single-step fabrication of recyclable microporous hyperbranched polyethyleneimine adsorbent with highly efficient and selective removal of lead ions. Polymer, 2019, 175, 71-80.	1.8	11
820	An analysis of electronic waste management strategies and recycling operations in Malaysia: Challenges and future prospects. Journal of Cleaner Production, 2019, 224, 151-166.	4.6	65
821	Thallium pollution in China and removal technologies for waters: A review. Environment International, 2019, 126, 771-790.	4.8	180
822	The use of nanomaterials in the synthesis of nanofiber membranes and their application in water treatment. , 2019, , 101-125.		25
823	Comparative performance of green rusts generated in FeO-electrocoagulation for Cd ²⁺ removal from high salinity wastewater: Mechanisms and optimization. Journal of Environmental Management, 2019, 237, 495-503.	3.8	12

#	ARTICLE	IF	CITATIONS
824	Application of electrocoagulation for the efficient pollutants removal to reuse the treated wastewater in the dyeing process of the textile industry. <i>Journal of Hazardous Materials</i> , 2019, 371, 705-711.	6.5	122
825	Pod razor (<i>Ensis siliqua</i>) shell powder as cost-effective biomineral for removal of nickel(II), copper(II) and zinc(II) from artificially contaminated industrial wastewater. <i>Sustainable Chemistry and Pharmacy</i> , 2019, 12, 100137.	1.6	8
826	Ionic liquid grafted polyamide 6 as porous membrane materials: Enhanced water flux and heavy metal adsorption. <i>Applied Surface Science</i> , 2019, 481, 1435-1441.	3.1	21
827	Novel Magnetic Nanostructured Beads for Cadmium(II) Removal. <i>Nanomaterials</i> , 2019, 9, 356.	1.9	24
828	Al ₂ O ₃ /Yttria-Stabilized Zirconia Hollow-Fiber Membrane Incorporated with Iron Oxide for Pb(II) Removal. <i>Chemical Engineering and Technology</i> , 2019, 42, 1321-1329.	0.9	3
829	Comprehensive spectroscopy studies of photoelimination process of toxic metals ions from aqueous solution by using CdS and CdS@magnetized powder activated carbon assisted magnetic stir bar. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 218, 127-135.	2.0	4
830	Highly Charged Cellulose Nanocrystals Applied as A Water Treatment Flocculant. <i>Nanomaterials</i> , 2019, 9, 272.	1.9	44
831	Phosphonium-based Ionic Liquid Modified Activated Carbon from Mixed Recyclable Waste for Mercury(II) Uptake. <i>Molecules</i> , 2019, 24, 570.	1.7	26
832	Biosorption of Pb(II) ions from aqueous solution using alginates extracted from Djiboutian seaweeds and deposited on silica particles. <i>Pure and Applied Chemistry</i> , 2019, 91, 459-475.	0.9	11
833	Process Optimization Study of Zn ²⁺ Adsorption on Biochar-Alginate Composite Adsorbent by Response Surface Methodology (RSM). <i>Water (Switzerland)</i> , 2019, 11, 325.	1.2	50
834	A comprehensive review on microbial fuel cell technologies: Processes, utilization, and advanced developments in electrodes and membranes. <i>Journal of Cleaner Production</i> , 2019, 221, 598-621.	4.6	363
835	Complexing agents for metal removal using ultrafiltration membranes: a review. <i>Environmental Chemistry Letters</i> , 2019, 17, 1195-1208.	8.3	45
836	Semi-interpenetrating networks of biopolymer chitosan/acrylic acid and thiourea hydrogels: synthesis, characterization and their potential for removal of cadmium. <i>Iranian Polymer Journal (English Edition)</i> , 2019, 28, 225-236.	1.3	7
837	Micro- and Nano-Hollow Spheres in Heavy Metal Removals from Water. <i>Nanotechnology in the Life Sciences</i> , 2019, , 421-441.	0.4	0
838	Sequestration of Heavy Metals from Industrial Wastewater Using Composite Ion Exchangers. , 2019, , 187-204.		4
839	Stability of diethyl dithiocarbamate chelates with Cu(II), Zn(II) and Mn(II). <i>Journal of Molecular Structure</i> , 2019, 1184, 375-381.	1.8	22
840	Performance of passive systems for mine drainage treatment at low temperature and high salinity: A review. <i>Minerals Engineering</i> , 2019, 134, 325-344.	1.8	33
841	Applicability of water-spray electric arc furnace steel slag for removal of Cd and Mn ions from aqueous solutions and industrial wastewaters. <i>Journal of Environmental Chemical Engineering</i> , 2019, 7, 102915.	3.3	29

#	ARTICLE	IF	CITATIONS
842	Functionalization of Fe ₃ O ₄ /TiO ₂ /BiOCl nanocomposites using <i>Sargassum crassifolium</i> extract as magnetic nanophotocatalyst for cadmium sequestration. IOP Conference Series: Materials Science and Engineering, 2019, 668, 012029.	0.3	1
843	Nickel Tetraphenylporphine Extraction from Model Heavy Oil Using Ionic Liquids. , 0, , .		1
844	Removal of Nickel, Zinc and Copper from Plating Process Industrial Raw Effluent Via Hydroxide Precipitation Versus Sulphide Precipitation. IOP Conference Series: Materials Science and Engineering, 2019, 551, 012122.	0.3	19
845	Determination of Cr, Pb and Ni in water, sludge and plants from settling ponds of a sewage treatment works. Water S A, 2019, 33, .	0.2	5
846	Designing an Electrochemical System for Efficient Removal of Chromium from Leachate by Electrocoagulation Using a Solar Panel as the Power Supply. International Journal of Electrochemical Science, 2019, 14, 6337-6346.	0.5	3
847	The Effect of pH and Current Density on Electrocoagulation Process for Degradation of Chromium (VI) in Plating Industrial Wastewater. Journal of Physics: Conference Series, 2019, 1295, 012064.	0.3	1
849	Removal of Zn(II) from manganese-zinc chloride waste liquor using ion-exchange with D201 resin. Hydrometallurgy, 2019, 190, 105171.	1.8	15
850	Adsorption of Lead and Arsenic Ions from Aqueous Solution by Activated Carbon Prepared from Tamarix Leaves. ChemistrySelect, 2019, 4, 12356-12367.	0.7	32
851	Modification of Radiation Grafted Banana Trunk Fibers for Adsorption of Anionic Dyes. Fibers and Polymers, 2019, 20, 2556-2569.	1.1	14
852	Hybrid Geopolymeric Foams for the Removal of Metallic Ions from Aqueous Waste Solutions. Materials, 2019, 12, 4091.	1.3	22
853	Isotherms, Kinetics and Break through Curve for Sorptive Removal of Chromium from Wastewater by Activated Sludge. Asian Journal of Chemistry, 2019, 31, 1704-1708.	0.1	0
854	Nanotechnology Characterization Tools for Environment, Health, and Safety. , 2019, , .		2
855	Influence of Selective Conditions on Various Composite Sorbents for Enhanced Removal of Copper (II) Ions from Aqueous Environments. International Journal of Environmental Research and Public Health, 2019, 16, 4596.	1.2	14
856	Copper Adsorption by Magnetized Pine-Needle Biochar. Processes, 2019, 7, 903.	1.3	20
857	Neutralisation of acid effluent from steel manufacturing industry and removal of metals using an integrated electric arc furnace dust slag/lime process. SN Applied Sciences, 2019, 1, 1.	1.5	9
858	Enhanced and selective adsorption of Hg ²⁺ to a trace level using trithiocyanuric acid-functionalized corn bract. Environmental Pollution, 2019, 244, 938-946.	3.7	49
859	Core-Shell Bimagnetic Nanoadsorbents for Hexavalent Chromium Removal from Aqueous Solutions. Journal of Hazardous Materials, 2019, 362, 82-91.	6.5	71
860	Thermodynamic stability and formation kinetics of CHClF ₂ hydrates in the presence of NiCl ₂ . Chemical Engineering Science, 2019, 202, 529-536.	1.9	10

#	ARTICLE	IF	CITATIONS
861	An experimental study to measure the required fresh water and treated water for drilling an unconventional shale reservoir. <i>International Journal of Environmental Science and Technology</i> , 2019, 16, 7727-7734.	1.8	19
862	Synthesis and Characterization of β -CD-Modified TiO ₂ Nanoparticles and Its Adsorption Performance for Different Types of Organic Dyes. <i>Journal of Chemical & Engineering Data</i> , 2019, 64, 135-149.	1.0	51
863	Initial dissolved oxygen-adjusted electrochemical generation of sulfate green rust for cadmium removal using a closed-atmosphere Fe ²⁺ electrocoagulation system. <i>Chemical Engineering Journal</i> , 2019, 359, 1411-1418.	6.6	28
864	Low cost thiol-functionalized mesoporous silica, KIT-6-SH, as a useful adsorbent for cadmium ions removal: A study on the adsorption isotherms and kinetics of KIT-6-SH. <i>Microchemical Journal</i> , 2019, 145, 460-469.	2.3	78
865	Effective aggregation of expert opinions to inform environmental management: An integrated fuzzy group decision-making framework with application to cadmium-contaminated water treatment alternatives evaluation. <i>Journal of Cleaner Production</i> , 2019, 209, 834-845.	4.6	14
866	Neodymium embedded ordered mesoporous carbon (OMC) for enhanced adsorption of sunset yellow: Characterizations, adsorption study and adsorption mechanism. <i>Chemical Engineering Journal</i> , 2019, 359, 814-826.	6.6	129
867	Combined microbial desalination and chemical-production cell with Fenton process for treatment of electroplating wastewater nanofiltration concentrate. <i>Chemical Engineering Journal</i> , 2019, 359, 1139-1149.	6.6	39
868	Application of polyaniline-based adsorbents for dye removal from water and wastewater—a review. <i>Environmental Science and Pollution Research</i> , 2019, 26, 5333-5356.	2.7	234
869	Extracellular polymeric substances immobilized on microspheres for removal of heavy metals from aqueous environment. <i>Biochemical Engineering Journal</i> , 2019, 143, 202-211.	1.8	26
870	The use of Artificial Neural Network (ANN) for modeling of Cu (II) ion removal from aqueous solution by flotation and sorptive flotation process. <i>Environmental Technology and Innovation</i> , 2019, 13, 353-363.	3.0	22
871	Overview of wastewater treatment methods with special focus on biopolymer chitin-chitosan. <i>International Journal of Biological Macromolecules</i> , 2019, 121, 1086-1100.	3.6	183
872	Mineralization of paracetamol using a gas diffusion electrode modified with ceria high aspect ratio nanostructures. <i>Electrochimica Acta</i> , 2019, 295, 39-49.	2.6	26
873	Synthesis and characterization of magnetic chitin composite and its application towards the uptake of Pb(II) and Cd(II) ions from aqueous solution. <i>Environmental Progress and Sustainable Energy</i> , 2019, 38, S288.	1.3	11
874	Removal of heavy metal ions from aqueous system by ion-exchange and biosorption methods. <i>Environmental Chemistry Letters</i> , 2019, 17, 729-754.	8.3	388
875	Preparation of nanochitin-contained magnetic chitosan microfibers via continuous injection gelation method for removal of Ni(II) ion from aqueous solution. <i>International Journal of Biological Macromolecules</i> , 2019, 125, 404-413.	3.6	34
876	Electrochemical Membrane Reactor Modeling for Lignin Depolymerization. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 2091-2099.	3.2	9
877	Study on the competitive adsorption and correlational mechanism for heavy metal ions using the carboxylated magnetic iron oxide nanoparticles (MNPs-COOH) as efficient adsorbents. <i>Applied Surface Science</i> , 2019, 473, 960-966.	3.1	52
878	Green synthesis of MOF@Ag nanocomposites for catalytic reduction of methylene blue. <i>Journal of Molecular Liquids</i> , 2019, 276, 371-378.	2.3	69

#	ARTICLE	IF	CITATIONS
879	Hexavalent chromium removal in an electrocoagulation column reactor: Process optimization using CCD, adsorption kinetics and pH modulated sludge formation. <i>Chemical Engineering Research and Design</i> , 2019, 122, 118-130.	2.7	92
880	Energy efficient copper electrowinning and direct deposition on carbon nanotube film from industrial wastewaters. <i>Journal of Cleaner Production</i> , 2019, 207, 1033-1039.	4.6	32
881	Synthesis and characterization of a novel Ca-alginate-biochar composite as efficient zinc (Zn^{2+}) adsorbent: Thermodynamics, process design, mass transfer and isotherm modeling. <i>Separation Science and Technology</i> , 2019, 54, 1106-1124.	1.3	33
882	Removal of metallic ions at the parts per billion level from aqueous solutions using the polymer-surfactant aggregate process. <i>Journal of Water Process Engineering</i> , 2019, 30, 100486.	2.6	6
883	A novel lead-ion-imprinted magnetic biosorbent: preparation, optimization and characterization. <i>Environmental Technology (United Kingdom)</i> , 2019, 40, 499-507.	1.2	14
884	Stabilized landfill leachate treatment using <i>Guadua amplexifolia</i> bamboo as a source of activated carbon: kinetics study. <i>Environmental Technology (United Kingdom)</i> , 2019, 40, 768-783.	1.2	11
885	Heavy metals in milk: global prevalence and health risk assessment. <i>Toxin Reviews</i> , 2019, 38, 1-12.	1.5	44
886	Recent advances about metal-organic frameworks in the removal of pollutants from wastewater. <i>Coordination Chemistry Reviews</i> , 2019, 378, 17-31.	9.5	479
887	Use of polymeric sub-micron ion-exchange resins for removal of lead, copper, zinc, and nickel from natural waters. <i>Journal of Environmental Sciences</i> , 2019, 75, 247-254.	3.2	44
888	Industrial wastewater plants conversion for synergy use and the impact of inflows variability. <i>Environmental Technology (United Kingdom)</i> , 2020, 41, 2575-2582.	1.2	0
889	A review on electrically conducting polymer bionanocomposites for biomedical and other applications. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2020, 69, 709-727.	1.8	38
890	Solvent extraction studies of nickel(II) by capric acid from sodium sulfate solution. <i>Chemical Engineering Communications</i> , 2020, 207, 306-318.	1.5	4
891	Recent Advancement in Wastewater Decontamination Technology. , 2020, , 1-22.		3
892	Modern Age Waste Water Problems. , 2020, , .		4
893	Nano-materials for Wastewater Treatment. , 2020, , 47-67.		5
894	Heavy Metal Remediation by Natural Adsorbents. , 2020, , 233-250.		3
895	Porous poly(L-lactic acid)/chitosan nanofibres for copper ion adsorption. <i>Carbohydrate Polymers</i> , 2020, 227, 115343.	5.1	87
896	An all-in-one strategy for the adsorption of heavy metal ions and photodegradation of organic pollutants using steel slag-derived calcium silicate hydrate. <i>Journal of Hazardous Materials</i> , 2020, 382, 121120.	6.5	75

#	ARTICLE	IF	CITATIONS
897	Zinc salt recovery from electroplating industry wastes by electro dialysis enhanced with complex formation. <i>Separation Science and Technology</i> , 2020, 55, 2250-2258.	1.3	11
898	Multifunctional modified polyvinyl alcohol: A powerful biomaterial for enhancing bioreactor performance in nitrate, Mn(II) and Cd(II) removal. <i>Water Research</i> , 2020, 168, 115152.	5.3	73
899	Bengal Gram Husk as Efficient and Cost-Effective Adsorbent for Pb ²⁺ and Methylene Blue Removal in Single and Binary Systems. <i>Journal of Hazardous, Toxic, and Radioactive Waste</i> , 2020, 24, 04019032.	1.2	4
900	Dynamic adsorption of Cd ²⁺ from aqueous solution using biochar of pine-fruit residue. <i>Indian Chemical Engineer</i> , 2020, 62, 170-183.	0.9	1
901	Electrospun SiO ₂ -MgO hybrid fibers for heavy metal removal: Characterization and adsorption study of Pb(II) and Cu(II). <i>Journal of Hazardous Materials</i> , 2020, 381, 120974.	6.5	85
902	A review on polyaniline-based materials applications in heavy metals removal and catalytic processes. <i>Separation and Purification Technology</i> , 2020, 231, 115901.	3.9	118
903	Fabrication of novel magnetic chitosan/graphene-oxide/metal oxide nanocomposite beads for Cr(VI) adsorption. <i>Chemical Papers</i> , 2020, 74, 529-541.	1.0	22
904	Research Updates on Heavy Metal Phytoremediation: Enhancements, Efficient Post-harvesting Strategies and Economic Opportunities. <i>Environmental Chemistry for A Sustainable World</i> , 2020, , 191-222.	0.3	21
905	Green Materials for Wastewater Treatment. <i>Environmental Chemistry for A Sustainable World</i> , 2020, , .	0.3	7
906	Self-assembly of immobilized titanate films with different layers for heavy metal ions removal from wastewater: Synthesis, modeling and mechanism. <i>Chemical Engineering Journal</i> , 2020, 380, 122564.	6.6	19
907	Facile and efficient removal of Pb(II) from aqueous solution by chitosan-lead ion imprinted polymer network. <i>Chemosphere</i> , 2020, 240, 124772.	4.2	40
908	Lysine-cyclodipeptide-based polyamidoamine microparticles: Balance between the efficiency of copper ion removal and degradation in water. <i>Chemical Engineering Journal</i> , 2020, 391, 123493.	6.6	3
909	Computational study on the removal of trihalomethanes from water using functionalized graphene oxide membranes. <i>Chemical Physics</i> , 2020, 531, 110589.	0.9	11
910	2D Hexagonal Boron Nitride/Cadmium Sulfide Heterostructure as a Promising Water-Splitting Photocatalyst. <i>Physica Status Solidi (B): Basic Research</i> , 2020, 257, 1900431.	0.7	22
911	Predominant mechanisms for the removal of nickel metal ion from aqueous solution using cement kiln dust. <i>Journal of Water Process Engineering</i> , 2020, 33, 101033.	2.6	34
912	High value-added utilization of silica fume to synthesize ZSM-35 zeolite membrane for Cd ²⁺ removal. <i>Materials Letters</i> , 2020, 260, 126940.	1.3	16
913	Removal of copper cyanide by precipitate flotation with ammonium salts. <i>Chemical Engineering Research and Design</i> , 2020, 133, 82-87.	2.7	13
914	Transforming Ni-Coagulated Polyferriertic Sulfate Sludge into Porous Heteroatom-Doped Carbon-Supported Transition Metal Phosphide: An Efficient Catalyst for Oxygen Evolution Reaction. <i>Energy Technology</i> , 2020, 8, 1900995.	1.8	7

#	ARTICLE	IF	CITATIONS
915	Self-assembly biochar colloids mycelial pellet for heavy metal removal from aqueous solution. <i>Chemosphere</i> , 2020, 242, 125182.	4.2	48
916	Removals of Cu(II), Ni(II), Co(II) and Ag(I) from wastewater and electricity generation by bimetallic thermally regenerative electro-deposition batteries. <i>Separation and Purification Technology</i> , 2020, 235, 116230.	3.9	17
917	Ion-Induced Synthesis of Alginate Fibroid Hydrogel for Heavy Metal Ions Removal. <i>Frontiers in Chemistry</i> , 2019, 7, 905.	1.8	23
918	Hierarchical magnesium oxide microspheres for removal of heavy ions from water and efficient bacterial inactivation. <i>Journal of Materials Science</i> , 2020, 55, 4408-4419.	1.7	23
919	Cadmium immobilization in aqueous solution by <i>Aspergillus niger</i> and geological fluorapatite. <i>Environmental Science and Pollution Research</i> , 2020, 27, 7647-7656.	2.7	14
920	Synergistic adsorption of Pb(II) ions by Fe ₃ O ₄ nanoparticles-decorated porous BN nanofibers. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 589, 124400.	2.3	14
921	Potential of siltstone and its composites with biochar and magnetite nanoparticles for the removal of cadmium from contaminated aqueous solutions: Batch and column scale studies. <i>Environmental Pollution</i> , 2020, 259, 113938.	3.7	37
922	Optimization of Ni(II) adsorption onto Cloisite Na ⁺ clay using response surface methodology. <i>Chemosphere</i> , 2020, 246, 125710.	4.2	22
923	Adsorptive performances and characterisations of biologically synthesised zinc oxide based nanosorbent (ZOBN). <i>Groundwater for Sustainable Development</i> , 2020, 10, 100325.	2.3	12
924	Efficient and rapid removal of Pb ²⁺ from water by magnetic Fe ₃ O ₄ @MnO ₂ core-shell nanoflower attached to carbon microtube: Adsorption behavior and process study. <i>Journal of Colloid and Interface Science</i> , 2020, 563, 218-228.	5.0	53
925	Dark catalytic degradation of industrial dye effluents using orthorhombic Tin monosulphide nanocatalyst. <i>Journal of Molecular Liquids</i> , 2020, 301, 112360.	2.3	16
926	Water decolorization using waste cooking oil: An optimized green emulsion liquid membrane by RSM. <i>Journal of Water Process Engineering</i> , 2020, 33, 101021.	2.6	34
927	Effect of panchakavya (organic formulation) on phytoremediation of lead and zinc using <i>Zea mays</i> . <i>Chemosphere</i> , 2020, 246, 125810.	4.2	9
928	The bio-precipitation of calcium and magnesium ions by free and immobilized <i>Lysinibacillus fusiformis</i> DB1-3 in the wastewater. <i>Journal of Cleaner Production</i> , 2020, 252, 119826.	4.6	40
929	Hexavalent chromium reduction by <i>Morganella morganii</i> (1Ab1) isolated from tannery effluent contaminated sites of Tamil Nadu, India. <i>Biocatalysis and Agricultural Biotechnology</i> , 2020, 23, 101469.	1.5	27
930	Effects of surface charge of thin-film composite membrane on copper (II) ion removal by using nanofiltration and forward osmosis process. <i>Journal of Water Process Engineering</i> , 2020, 33, 101032.	2.6	27
931	Hybrid ceramic membrane reactor combined with fluidized adsorbents and scouring agents for hazardous metal-plating wastewater treatment. <i>Journal of Hazardous Materials</i> , 2020, 388, 121777.	6.5	13
932	Selective sulfide precipitation of copper ions from arsenic wastewater using monoclinic pyrrhotite. <i>Science of the Total Environment</i> , 2020, 705, 135816.	3.9	43

#	ARTICLE	IF	CITATIONS
933	Copper(II) Removal from Synthetic Wastewater Solutions Using Supported Liquid Membrane and Polymer Inclusion Membrane. <i>Journal of Environmental Engineering, ASCE</i> , 2020, 146, .	0.7	14
934	Management options for coffee processing wastewater. A review. <i>Journal of Material Cycles and Waste Management</i> , 2020, 22, 454-469.	1.6	17
935	Membrane electrolysis for separation of cobalt from terephthalic acid industrial wastewater. <i>Hydrometallurgy</i> , 2020, 191, 105216.	1.8	15
936	Remediation of BTEX and Cr(VI) contamination in soil using bioelectrochemical systemâ€”an eco-friendly approach. <i>Environmental Science and Pollution Research</i> , 2020, 27, 837-845.	2.7	15
937	Efficient biosorption of Pb(II) on <i>Pteris vittata</i> L. from aqueous solution using pulsed plate column technique. <i>Separation Science and Technology</i> , 2020, 55, 3089-3101.	1.3	4
938	The performance of Cu ²⁺ as dissolved cathodic electron-shuttle mediator for Cr ⁶⁺ reduction in the microbial fuel cell. <i>Sustainable Environment Research</i> , 2020, 30, .	2.1	9
939	Removal Mechanism and Effective Current of Electrocoagulation for Treating Wastewater Containing Ni(II), Cu(II), and Cr(VI). <i>Water (Switzerland)</i> , 2020, 12, 2614.	1.2	10
940	A critical review on recent developments in MOF adsorbents for the elimination of toxic heavy metals from aqueous solutions. <i>Environmental Science and Pollution Research</i> , 2020, 27, 44771-44796.	2.7	83
941	A novel μ -polylysine-modified microcrystalline cellulose based antibacterial hydrogel for removal of heavy metal. <i>International Journal of Biological Macromolecules</i> , 2020, 163, 1915-1925.	3.6	31
942	Effect Factor of Arsenite and Arsenate Removal by a Manufactured Material: Activated Carbon-Supported Nano-TiO ₂ . <i>Journal of Chemistry</i> , 2020, 2020, 1-12.	0.9	7
943	Palm Oil Fuel Ash [POFA]: innovative potential applications as heavy metal removal materials in gold mining wastewater. <i>IOP Conference Series: Earth and Environmental Science</i> , 2020, 497, 012041.	0.2	0
944	Efficiency of Acacia Gummifera powder as biosorbent for simultaneous decontamination of water polluted with metals. <i>Arabian Journal of Chemistry</i> , 2020, 13, 7459-7481.	2.3	14
945	The impact of magnetite nanoparticles on the physicochemical and adsorption properties of magnetic alginate beads. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 104223.	3.3	16
947	Copper and mercury induced oxidative stresses and antioxidant responses of <i>Spirodela polyrhiza</i> (L.) Schleid. <i>Biochemistry and Biophysics Reports</i> , 2020, 23, 100781.	0.7	28
948	The Effectiveness of Corncob Activated Carbon in Reducing Chromium (Cr), Cadmium (Cd), Copper (Cu), and Zinc (Zn) Levels in Electroplating Wastewater. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020, 807, 012034.	0.3	1
949	Experimental design and RSM on the recovery of Ni (II) ions by ELM using TX-100 as a biodegradable surfactant. <i>Environmental Technology (United Kingdom)</i> , 2022, 43, 386-401.	1.2	3
950	Characterization and Treatment of Real Wastewater from an Electroplating Company by Raw Chitin. , 2020, , .		1
951	Strategies in Forward Osmosis Membrane Substrate Fabrication and Modification: A Review. <i>Membranes</i> , 2020, 10, 332.	1.4	45

#	ARTICLE	IF	CITATIONS
952	Theoretical Analysis of the Stationary Transport of 1:1 Salt Ions in a Cross-Section of a Desalination Channel, Taking into Account the Non-Catalytic Dissociation/Recombination Reaction of Water Molecules. <i>Membranes</i> , 2020, 10, 342.	1.4	3
953	Influence of Salinity on the Removal of Ni and Zn by Phosphate-Intercalated Nano Montmorillonite (PINM). <i>Minerals (Basel, Switzerland)</i> , 2020, 10, 980.	0.8	3
954	Removal of chromium from wastewater by membrane filtration, chemical precipitation, ion exchange, adsorption electrocoagulation, electrochemical reduction, electro dialysis, electrodeionization, photocatalysis and nanotechnology: a review. <i>Environmental Chemistry Letters</i> , 2020, 18, 2055-2068.	8.3	279
955	Recent advancements in microalgal-induced remediation of wastewaters. , 2020, , 205-217.		2
956	Recent progress of graphene based nanomaterials in bioelectrochemical systems. <i>Science of the Total Environment</i> , 2020, 749, 141225.	3.9	105
957	Biotechnology for Gas-to-Liquid (GTL) Wastewater Treatment: A Review. <i>Water (Switzerland)</i> , 2020, 12, 2126.	1.2	8
958	Industrial solid waste for heavy metals adsorption features and challenges; a review. <i>Journal of Materials Research and Technology</i> , 2020, 9, 10235-10253.	2.6	209
959	Cobalt Removal from Simulated Wastewaters Using a Novel Flow-by Fixed Bed Bio-electrochemical Reactor. <i>Chemical Engineering and Processing: Process Intensification</i> , 2020, 156, 108097.	1.8	20
960	Optimization and Experimental Design of the Pb ²⁺ Adsorption Process on a Nano-Fe ₃ O ₄ -Based Adsorbent Using the Response Surface Methodology. <i>ACS Omega</i> , 2020, 5, 28305-28318.	1.6	47
961	Efficient removal of Cu (II) by SnO ₂ /MWCNTs nanocomposite by pulsed laser ablation method. <i>Nano Structures Nano Objects</i> , 2020, 24, 100591.	1.9	41
962	Use of Polyacrylamide Superabsorbent Polymers and Plantain Peel Biochar to Reduce Heavy Metal Mobility and Uptake by Wastewater-Irrigated Potato Plants. <i>Transactions of the ASABE</i> , 2020, 63, 11-28.	1.1	14
963	Environmental Safety of Waste Detergent Solutions. <i>Materials Science Forum</i> , 2020, 1006, 202-207.	0.3	1
964	Hexavalent Chromium Removal from Groundwater – A Low-Tech Approach. <i>Environmental Sciences Proceedings</i> , 2020, 2, 25.	0.3	0
965	Hydrosoluble phosphonic acid functionalized poly(2-ethyl-oxazoline) chelating polymers for the sorption of metallic cations. <i>Journal of Polymer Science</i> , 2020, 58, 2875-2886.	2.0	6
966	Removal of Toxic Heavy Metal Ions (Pb, Cr, Cu, Ni, Zn, Co, Hg, and Cd) from Waste Batteries or Lithium Cells Using Nanosized Metal Oxides: A Review. <i>Journal of Nanoscience and Nanotechnology</i> , 2020, 20, 7231-7254.	0.9	31
967	Selective adsorption behavior of ion-imprinted magnetic chitosan beads for removal of Cu(II) ions from aqueous solution. <i>Chinese Journal of Chemical Engineering</i> , 2021, 39, 103-111.	1.7	6
968	Adsorptive removal properties of bivalent cadmium from aqueous solution using porous poly(N-2-methyl-4-nitrophenyl maleimide-maleic anhydride-methyl methacrylate) terpolymers. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 104560.	3.3	10
969	Reaction kinetic acceleration induced by atomic-hybridized channels in carbon quantum dot/ReS ₂ composites for efficient Cr(VI) reduction. <i>Applied Catalysis B: Environmental</i> , 2022, 300, 119807.	10.8	15

#	ARTICLE	IF	CITATIONS
970	Heavy metal ions (lead, cobalt, and nickel) biosorption from aqueous solution onto activated carbon prepared from Citrus limetta leaves. Carbon Letters, 2020, 30, 683-698.	3.3	45
971	â€˜Template-freeâ€™ hierarchical MoS ₂ foam as a sustainable â€˜greenâ€™ scavenger of heavy metals and bacteria in point of use water purification. Nanoscale Advances, 2020, 2, 2824-2834.	2.2	21
972	Comparative analysis of brewing wastewater and lactate as carbon sources for microbial community treating acid mine drainage in anaerobic MBBR systems. Environmental Technology (United Kingdom), 2021, 42, 3955-3962.	1.2	5
973	Diethylamine functionalised <i>Moringa oleifera</i> leaves for the removal of chromium(VI) and bacteria from wastewater. International Journal of Environmental Analytical Chemistry, 2022, 102, 3002-3022.	1.8	6
974	Preparation and optimization of thorium selective ion imprinted nonwoven fabric grafted with poly(2-dimethylaminoethyl methacrylate) by electron beam irradiation technique. Journal of Environmental Chemical Engineering, 2020, 8, 103737.	3.3	11
975	Removal of metals and hydrocarbons from stormwater using coagulation and flocculation. Water Research, 2020, 182, 115919.	5.3	54
976	Biosorption of Water Pollutants by Fungal Pellets. Water (Switzerland), 2020, 12, 1155.	1.2	53
977	Kinetic Model for pH Variation Resulted from Interaction of Aqueous Solution Contaminated with Nickel Ions and Cement Kiln Dust. Journal of Chemistry, 2020, 2020, 1-11.	0.9	14
978	Removal of Cd(II) and Pb(II) from wastewater via carbonation of aqueous Ca(OH) ₂ derived from eggshell. Chemical Engineering Research and Design, 2020, 141, 278-287.	2.7	19
979	Intensification and optimization of the characteristics of polyacrylonitrile nanofiltration membranes with improved performance through experimental design and statistical analysis. Polymer Engineering and Science, 2020, 60, 1795-1811.	1.5	15
980	Nanoadsorbents for wastewater treatment: next generation biotechnological solution. International Journal of Environmental Science and Technology, 2020, 17, 4095-4132.	1.8	64
981	Kinetics of facilitated transport of Zn(II) from leach liquor of spent LTS catalyst across bulk liquid membrane. Journal of the Iranian Chemical Society, 2020, 17, 2957-2967.	1.2	2
982	Selective Recovery of Critical and Toxic Elements from Their Low-Concentrated Solutions Using Surface-Based Electrochemical Separation Methods. ACS Symposium Series, 2020, , 115-165.	0.5	3
983	Treatment of automotive industry wastewater by electrocoagulation using commercial aluminum electrodes. Chemical Engineering Research and Design, 2020, 142, 272-284.	2.7	33
984	Flux Balance Analysis for Media Optimization and Genetic Targets to Improve Heterologous Siderophore Production. IScience, 2020, 23, 101016.	1.9	11
985	Design, application, and microbiome of sulfate-reducing bioreactors for treatment of mining-influenced water. Applied Microbiology and Biotechnology, 2020, 104, 6893-6903.	1.7	20
986	Removal of Cr (VI), As (V), Cu (II), and Pb (II) using cellulose biochar supported iron nanoparticles: A kinetic and mechanistic study. Journal of Environmental Chemical Engineering, 2020, 8, 103886.	3.3	59
987	Synthetic polymer-based membranes for heavy metal removal. , 2020, , 71-101.		2

#	ARTICLE	IF	CITATIONS
988	Vibrational spectroscopy and analysis of galvanoplasty retention capacity in ceramic matrices. <i>Vibrational Spectroscopy</i> , 2020, 110, 103099.	1.2	0
989	Ordered Mesoporous Carbon with Chitosan for Disinfection of Water via Capacitive Deionization. <i>Nanomaterials</i> , 2020, 10, 489.	1.9	7
990	Electrostatically coupled SiO ₂ nanoparticles/poly (L-DOPA) antifouling coating on a nanofiltration membrane. <i>Nanotechnology</i> , 2020, 31, 275602.	1.3	16
991	Fabrication of a Bi ₂ O ₃ Surface-Modified Polyvinylidene Fluoride Membrane via an Ultraviolet Photografting Method: Improving Hydrophilicity and Degree of Acrylic Acid Grafting. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 6580-6588.	1.8	7
992	Synthesis and characterization of sugarcane bagasse cellulose-capped silver nanoparticle using ultrasonic irradiation for the adsorption of heavy metal. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2020, 15, e2433.	0.8	10
993	Zeolite Cotton in Tube: A Simple Robust Household Water Treatment Filter for Heavy Metal Removal. <i>Scientific Reports</i> , 2020, 10, 4719.	1.6	24
994	Emerging Eco-friendly Green Technologies for Wastewater Treatment. <i>Microorganisms for Sustainability</i> , 2020, , .	0.4	9
995	Ultra-fine electrospun nanofibrous membranes for multicomponent wastewater treatment: Filtration and adsorption. <i>Separation and Purification Technology</i> , 2020, 242, 116794.	3.9	53
996	Mercury, Arsenic and Lead Removal by Air Gap Membrane Distillation: Experimental Study. <i>Water (Switzerland)</i> , 2020, 12, 1574.	1.2	22
997	What do we know about the utilization of the Sargassum species as biosorbents of trace metals in Brazil?. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 103941.	3.3	16
998	Controllable biosynthesis of nanoscale schwertmannite and the application in heavy metal effective removal. <i>Applied Surface Science</i> , 2020, 529, 147012.	3.1	18
999	Process modelling and optimization of a novel Semifluidized bed adsorption column operation for aqueous phase divalent heavy metal ions removal. <i>Journal of Water Process Engineering</i> , 2020, 37, 101406.	2.6	22
1000	Oxygen vacancy engineering of Bi ₂ O ₂ CO ₃ hierarchical microspheres for enhanced adsorption of Cd ²⁺ ions and photocatalytic degradation of Rodamine B. <i>Applied Surface Science</i> , 2020, 512, 145647.	3.1	36
1001	Removal of dissolved heavy metals from stormwater by filtration with granular recycled glass and mussel shell with and without microalgae biofilm. <i>Environmental Technology and Innovation</i> , 2020, 18, 100662.	3.0	22
1002	Efficient Removal of Pb(II) from Aqueous Solutions by Using Oil Palm Bio-Waste/MWCNTs Reinforced PVA Hydrogel Composites: Kinetic, Isotherm and Thermodynamic Modeling. <i>Polymers</i> , 2020, 12, 430.	2.0	51
1003	Adsorption of heavy metal ions by various low-cost adsorbents: a review. <i>International Journal of Environmental Analytical Chemistry</i> , 2022, 102, 342-379.	1.8	273
1004	Biohybrid nanofibers containing manganese oxide-forming fungi for heavy metal removal from water. <i>Journal of Engineered Fibers and Fabrics</i> , 2020, 15, 155892501989895.	0.5	6
1005	Fabrication of Bi ₂ S ₃ /MOFs composites without noble metals for enhanced photoreduction of Cr (VI). <i>Separation and Purification Technology</i> , 2020, 241, 116703.	3.9	44

#	ARTICLE	IF	CITATIONS
1006	Using yeast to sustainably remediate and extract heavy metals from waste waters. <i>Nature Sustainability</i> , 2020, 3, 303-311.	11.5	75
1007	Sorption of Cd ²⁺ and Pb ²⁺ on Aragonite Synthesized from Eggshell. <i>Sustainability</i> , 2020, 12, 1174.	1.6	15
1009	Highly selective heteroaromatic sulfur containing polyamides for Hg ²⁺ environmental remediation. <i>Designed Monomers and Polymers</i> , 2020, 23, 25-39.	0.7	3
1010	Nano- and microcellulose-based adsorption materials in water treatment. , 2020, , 1-83.		3
1011	Evolution of Environmentally Friendly Strategies for Metal Extraction. <i>Separations</i> , 2020, 7, 4.	1.1	44
1012	Citric-acid-assisted sol-gel synthesis of mesoporous silicon-magnesium oxide ceramic fibers and their adsorption characteristics. <i>Ceramics International</i> , 2020, 46, 10105-10114.	2.3	14
1013	Hexavalent chromium reduction from real electroplating wastewater by chemical precipitation. <i>Bulletin of the Chemical Society of Ethiopia</i> , 2020, 34, 67-74.	0.5	38
1014	Application of integrated local plant species and vesicular basalt rock for the treatment of chromium in tannery wastewater in a horizontal subsurface flow wetland system. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 103940.	3.3	16
1015	Removal of zinc from submerged arc furnace flue gas wash water using steel slag with polyacrylamide. <i>Journal of Environmental Management</i> , 2020, 265, 110527.	3.8	3
1016	Continuous purification of simulated wastewater based on rice straw composites for oil/water separation and removal of heavy metal ions. <i>Cellulose</i> , 2020, 27, 5223-5239.	2.4	28
1017	Various water-treatment technologies for inorganic contaminants: current status and future aspects. , 2020, , 273-295.		20
1018	Tripeptide Derivative-Modified Glassy Carbon Electrode: A Novel Electrochemical Sensor for Sensitive and Selective Detection of Cd ²⁺ Ions. <i>ACS Omega</i> , 2020, 5, 10123-10132.	1.6	23
1019	Synthesis of acid treated carbonized mandarin peel for purification of copper. <i>Water Practice and Technology</i> , 2020, 15, 460-471.	1.0	8
1020	Use of response surface methodology for optimization of thorium(IV) removal from aqueous solutions by electrodeionization (EDI). <i>Progress in Nuclear Energy</i> , 2020, 124, 103335.	1.3	25
1021	Acidic polymeric sorbents for the removal of metallic pollution in water: A review. <i>Reactive and Functional Polymers</i> , 2020, 152, 104599.	2.0	63
1022	Aquatic toxicity of heavy metal-containing wastewater effluent treated using vertical flow constructed wetlands. <i>Science of the Total Environment</i> , 2020, 727, 138616.	3.9	28
1023	Adsorption of hexavalent chromium using modified walnut shell from solution. <i>Water Science and Technology</i> , 2020, 81, 824-833.	1.2	24
1024	Cadmium(II) ion removal from aqueous solution using chitosan oligosaccharide-based blend. <i>Polymer Bulletin</i> , 2021, 78, 1109-1132.	1.7	5

#	ARTICLE	IF	CITATIONS
1025	Multiwalled <scp>CNTs</scp> for <scp>Cr(VI)</scp> removal from industrial wastewater: An advanced study on adsorption, kinetics, thermodynamics for the comparison between the embedded and non-embedded carboxyl group. Canadian Journal of Chemical Engineering, 2021, 99, 281-293.	0.9	13
1026	Selective adsorption of zwitterionic viscose fiber treated with sodium chloroacetate and hyperbranched polyethylenimine. Iranian Polymer Journal (English Edition), 2021, 30, 57-65.	1.3	1
1027	A review on carbon and non-precious metal based cathode catalysts in microbial fuel cells. International Journal of Hydrogen Energy, 2021, 46, 3056-3089.	3.8	87
1028	Mesoporous nanocrystalline sulfonated hydroxyapatites enhance heavy metal removal and antimicrobial activity. Separation and Purification Technology, 2021, 255, 117777.	3.9	22
1029	Facile synthesis of EDTA grafted 3D spherical-chain porous silica with high capacity for rapidly selective adsorption of Cu(II) from aqueous solutions. Journal of Porous Materials, 2021, 28, 299-310.	1.3	5
1030	Cyclodextrin-based adsorbents for the removal of pollutants from wastewater: a review. Environmental Science and Pollution Research, 2021, 28, 1317-1340.	2.7	66
1031	Biological-based methods for the removal of volatile organic compounds (VOCs) and heavy metals. Environmental Science and Pollution Research, 2021, 28, 2485-2508.	2.7	49
1032	Applicability of TiO ₂ (B) nanosheets@hydrochar composites for adsorption of tetracycline (TC) from contaminated water. Journal of Hazardous Materials, 2021, 405, 123999.	6.5	62
1033	Endocrine-disruptive chemicals as contaminants of emerging concern in wastewater and surface water: A review. Journal of Environmental Management, 2021, 277, 111485.	3.8	161
1034	Characterization of graphene/pine wood biochar hybrids: Potential to remove aqueous Cu ²⁺ . Environmental Research, 2021, 192, 110283.	3.7	35
1035	New Trends in Removing Heavy Metals from Industrial Wastewater Through Microbes. , 2021, , 183-205.		7
1036	Preparation of Ni(Zn)Cr-LDH/LDO coated magnetic-graphene composites using simulative electroplating wastewaters for oxygen evolution reaction. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 611, 125839.	2.3	6
1037	Removal of Chromium from Electroplating Industry Wastewater Using Bioelectrochemical System: Kinetic Study and Statistical Analysis. Journal of Hazardous, Toxic, and Radioactive Waste, 2021, 25, .	1.2	7
1038	Overview of recent developments of resource recovery from wastewater via electrochemistry-based technologies. Science of the Total Environment, 2021, 757, 143901.	3.9	55
1039	Microbial Electrochemical System: A Sustainable Approach for Mitigation of Toxic Dyes and Heavy Metals from Wastewater. Journal of Hazardous, Toxic, and Radioactive Waste, 2021, 25, .	1.2	20
1040	Electrodialysis enhanced with disodium EDTA as an innovative method for separating Cu(II) ions from zinc salts in wastewater. Chemical Engineering Journal, 2021, 408, 127908.	6.6	16
1041	Removal of heavy metals from industrial effluents by using biochar. , 2021, , 25-48.		7
1042	Combining Chemical Coagulation Process and Innovative Aerobic Reactor for the Treatment of De-Hairing Wastewater. Waste and Biomass Valorization, 2021, 12, 2557-2564.	1.8	9

#	ARTICLE	IF	CITATIONS
1043	Sustainable Practices and Innovations in Civil Engineering. Lecture Notes in Civil Engineering, 2021, , .	0.3	0
1044	A review on polypyrrole-coated bio-composites for the removal of heavy metal traces from waste water. Journal of Industrial Textiles, 2021, 51, 152-173.	1.1	21
1045	Solid-phase extraction and fluorimetric determination of Zn(II) in natural water using novel adsorbent based on silica modified with polyhexamethylene guanidine and Ferron. International Journal of Environmental Analytical Chemistry, 2021, 101, 943-955.	1.8	1
1046	A systematic investigation on synergistic electroplating and capacitive removal of Pb ²⁺ from artificial industrial waste water. RSC Advances, 2021, 11, 12877-12884.	1.7	4
1047	Sorbent hydrogels to control heavy metal pollution in water. , 2021, , 247-283.		1
1048	Electrospun-based TiO ₂ nanofibers for organic pollutant photodegradation: a comprehensive review. Reviews in Chemical Engineering, 2022, 38, 641-668.	2.3	4
1049	Application of membrane-based hybrid process on paint industry wastewater treatment. , 2021, , 97-117.		5
1050	Current scenario of heavy metal contamination in water. , 2021, , 49-64.		9
1051	Electrospun tree-like nanofiber membrane: Fabrication and applications for air and water treatments. , 2021, , 433-448.		0
1052	Carbonaceous Adsorbents Derived from Agricultural Sources for the Removal of Pramipexole Pharmaceutical Model Compound from Synthetic Aqueous Solutions. Processes, 2021, 9, 253.	1.3	8
1053	A Harmless Approach on Textile Effluent Detoxification: Bioremediation and Recent Strategies. , 2021, , 195-219.		1
1054	Sequential removal and recovery of cadmium ions (Cd ²⁺) using photocatalysis and reduction crystallization from the aqueous phase. Reaction Chemistry and Engineering, 2021, 6, 1677-1687.	1.9	5
1055	Nanoengineered iron oxide-based sorbents for separation of various water pollutants: current status, opportunities and future outlook. Environmental Science: Water Research and Technology, 2021, 7, 818-860.	1.2	10
1056	Hydrothermal synthesis of a novel nanolayered tin phosphate for removing Cr(III). RSC Advances, 2021, 11, 3202-3208.	1.7	4
1057	Carbon obtained from waste polyethylene terephthalate (PET) containers as potential sorbent of radionuclides from the contaminated aqueous solutions. International Journal of Environmental Science and Technology, 2021, 18, 3527-3538.	1.8	6
1058	Water-stable metal-organic framework for environmental remediation. , 2021, , 585-621.		3
1059	Study on the synthesis of modified materials and their adsorption performance on heavy metal ions from aqueous solution. IOP Conference Series: Earth and Environmental Science, 0, 647, 012081.	0.2	1
1060	Multi Metal Resistant Klebsiella pneumoniae KW is an Efficient Copper Accumulator and Bioremediator of Industrial Waste Water. Pakistan Journal of Zoology, 2021, 53, .	0.1	0

#	ARTICLE	IF	CITATIONS
1061	Safety and Efficacy of Pseudomonas Exopolymer in Sequestration of Iron From Aqueous Environments. <i>Advances in Environmental Engineering and Green Technologies Book Series</i> , 2021, , 256-272.	0.3	0
1062	The combination of electroflotation-biocoagulation process using Aloe vera for river water treatment. <i>IOP Conference Series: Materials Science and Engineering</i> , 2021, 1087, 012047.	0.3	3
1064	Orderly Porous Covalent Organic Frameworks-based Materials: Superior Adsorbents for Pollutants Removal from Aqueous Solutions. <i>Innovation(China)</i> , 2021, 2, 100076.	5.2	235
1065	Simultaneous Removal of Al, Cu and Zn Ions from Aqueous Solutions Using Ion and Precipitate Flotation Methods. <i>Processes</i> , 2021, 9, 301.	1.3	9
1066	The removal of pollutants and natural organic compounds from acid mine drainage using a combination of bentonite clay and MgSO ₄ . <i>Water Practice and Technology</i> , 2021, 16, 490-503.	1.0	1
1067	Multiple heavy metal removal simultaneously by a biomass-based porous carbon. <i>Water Environment Research</i> , 2021, 93, 1303-1314.	1.3	16
1068	Green Synthesis of Nanoscale Zero-Valent Iron/Activated Carbon Composites and their Application for Copper and Chromium Removal from Aqueous Solutions. <i>Journal of Nano Research</i> , 0, 66, 129-142.	0.8	7
1069	Synthesis of Polyaniline / Biochar composite material and modeling with nonlinear model for removal of copper (II) heavy metal ions. <i>Journal of the Turkish Chemical Society, Section A: Chemistry</i> , 2021, 8, 291-304.	0.4	4
1070	Study of copper fixation mechanisms on Bayer Process Electrostatic precipitator Microparticles (BPEM) using ¹ H and ²⁷ Al NMR spectroscopy. <i>Journal of Water Process Engineering</i> , 2021, 39, 101872.	2.6	2
1071	Industrial Wastewater: Health Concern and Treatment Strategies. <i>The Open Biology Journal</i> , 2021, 9, 1-10.	0.5	6
1072	Carbon Nanodots Embedded on a Polyethersulfone Membrane for Cadmium(II) Removal from Water. <i>Membranes</i> , 2021, 11, 114.	1.4	5
1073	Synthesis of recyclable 3D LC/h-ZIF-8 by Zn(â€¦) containing wastewater for photocatalytic degradation of mixed-dye under UV-Vis irradiation. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 104978.	3.3	13
1074	Synthesis and Characterization of Na-Zeolites from Textile Waste Ash and Its Application for Removal of Lead (Pb) from Wastewater. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 3373.	1.2	18
1075	Resource-saving dialysis technology for electroplating wastewater treatment. <i>IOP Conference Series: Materials Science and Engineering</i> , 2021, 1089, 012028.	0.3	0
1076	Phytoremediation potential of water hyacinth in heavy metal removal in chromium and lead contaminated water. <i>International Journal of Environmental Analytical Chemistry</i> , 2023, 103, 3081-3096.	1.8	22
1077	Ligands as copper and nickel ionophores: Applications and implications on wastewater treatment. <i>Advances in Colloid and Interface Science</i> , 2021, 289, 102364.	7.0	3
1078	Removal of Heavy Metals from Industrial Wastewater by Chemical Precipitation: Mechanisms and Sludge Characterization. <i>Arabian Journal for Science and Engineering</i> , 2022, 47, 5587-5599.	1.7	68
1079	Toward efficient removal of organic pollutants in water: A tremella-like iron containing metal-organic framework in Fenton oxidation. <i>Environmental Technology (United Kingdom)</i> , 2022, 43, 2785-2795.	1.2	4

#	ARTICLE	IF	CITATIONS
1080	Evaluation of Polyurea-Crosslinked Alginate Aerogels for Seawater Decontamination. Gels, 2021, 7, 27.	2.1	14
1081	Electrodialysis concentration of sulfuric acid. Chimica Techno Acta, 2021, 8, .	0.3	5
1082	Regularities of Chromium(VI) Ions Sorption by Magnetite (Review). Protection of Metals and Physical Chemistry of Surfaces, 2021, 57, 235-259.	0.3	3
1083	Novel laser-assisted method for synthesis of SnO ₂ /MWCNTs nanocomposite for water treatment from Cu (II). Diamond and Related Materials, 2021, 113, 108287.	1.8	55
1084	Preparation and Performance Assessment of Low-Pressure Affinity Membranes Based on Functionalized, Electrospun Polyacrylates for Gold Nanoparticle Filtration. ACS Applied Materials & Interfaces, 2021, 13, 15659-15667.	4.0	22
1085	A Visually Observable Copper Ion Adsorption Membrane by Electrospinning Combined with Copper Ion Probe. Fibers and Polymers, 2021, 22, 1844-1852.	1.1	6
1086	Trace determination of heavy metals and electrochemical removal of lead from drinking water. Chemical Papers, 2021, 75, 4227-4238.	1.0	12
1087	Ion-imprinted sponge produced by ice template-assisted freeze drying of salean and graphene oxide nanosheets for highly selective adsorption of mercury (II) ion. Carbohydrate Polymers, 2021, 258, 117622.	5.1	15
1088	Evaluation of hyper-cross-linked polymers performances in the removal of hazardous heavy metal ions: A review. Separation and Purification Technology, 2021, 260, 118221.	3.9	60
1089	The existing technology and the application of digital artificial intelligent in the wastewater treatment area: A review paper. Journal of Physics: Conference Series, 2021, 1858, 012013.	0.3	11
1090	Pressure-Driven Membrane Process: A Review of Advanced Technique for Heavy Metals Remediation. Processes, 2021, 9, 752.	1.3	24
1091	Facet Engineering of Bismuth Molybdate via Confined Growth in a Nanoscale Template toward Water Remediation. ACS Applied Materials & Interfaces, 2021, 13, 18713-18723.	4.0	16
1092	Synthesis and study of functionalized magnetic graphene oxide for Pb ²⁺ removal from wastewater. Environmental Technology and Innovation, 2021, 22, 101384.	3.0	27
1093	Recovering heavy metals from electroplating wastewater and their conversion into Zn ₂ Cr-layered double hydroxide (LDH) for pyrophosphate removal from industrial wastewater. Chemosphere, 2021, 271, 129861.	4.2	64
1094	Arsenic removal in aqueous solutions using FeS ₂ . Journal of Environmental Management, 2021, 286, 112246.	3.8	63
1095	Treatment of Tannery Effluent of Unit Bovine Hides™ Unhairing Liming by the Precipitation. , 0, , .		1
1096	Adsorption Studies of Cobalt (II) Complex By Bentonite clay surface. Journal of Physics: Conference Series, 2021, 1879, 022063.	0.3	2
1097	Formation and mechanisms of nano-metal oxide-biochar composites for pollutants removal: A review. Science of the Total Environment, 2021, 767, 145305.	3.9	89

#	ARTICLE	IF	CITATIONS
1098	A review on accessible techniques for removal of hexavalent Chromium and divalent Nickel from industrial wastewater: Recent research and future outlook. <i>Journal of Cleaner Production</i> , 2021, 295, 126229.	4.6	96
1099	A pilot-scale sulfur-based sulfidogenic system for the treatment of Cu-laden electroplating wastewater using real domestic sewage as electron donor. <i>Water Research</i> , 2021, 195, 116999.	5.3	23
1100	Magnesium-zinc ferrites as magnetic adsorbents for Cr(VI) and Ni(II) ions removal: Cation distribution and antistructure modeling. <i>Chemosphere</i> , 2021, 270, 129414.	4.2	54
1101	Optimization of removal of lead and cadmium from industrial wastewater by ethylenediamine-modified single-walled carbon nanotubes. <i>International Journal of Environmental Science and Technology</i> , 2022, 19, 2747-2760.	1.8	7
1102	Heavy metal water pollution: A fresh look about hazards, novel and conventional remediation methods. <i>Environmental Technology and Innovation</i> , 2021, 22, 101504.	3.0	431
1103	Performance of microbial community dominated by <i>Bacillus</i> spp. in acid mine drainage remediation systems: A focus on the high removal efficiency of SO ₄ ²⁻ , Al ³⁺ , Cd ²⁺ , Cu ²⁺ , Mn ²⁺ , Pb ²⁺ , and Sr ²⁺ . <i>Heliyon</i> , 2021, 7, e07241.	1.4	9
1104	Investigating Cobalt in Soil-plant-animal-human system: Dynamics, Impact and Management. <i>Journal of Soil Science and Plant Nutrition</i> , 2021, 21, 2339-2354.	1.7	25
1105	Electroplating plant sewage technology. <i>Vestnik Tomskogo Gosudarstvennogo Arkhitekturno-stroitel'no Nogo Universiteta JOURNAL of Construction and Architecture</i> , 2021, 23, 143-154.	0.1	0
1106	A Review on Organic Adsorbents for the Removal of Toxic Metals from Waste Water. <i>Asian Journal of Advanced Research and Reports</i> , 0, , 75-85.	0.0	2
1107	Microwave-assisted synthesis of magnetic Pb(II)-imprinted-poly(schiff base-co-MAA) for selective recognition and extraction of Pb(II) from industrial wastewater. <i>Journal of Dispersion Science and Technology</i> , 2023, 44, 12-25.	1.3	6
1108	The sorption of single- and multi-heavy metals in aqueous solution using enhanced nano-hydroxyapatite assisted with ultrasonic. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105240.	3.3	30
1109	A comparative state-of-technology review and future directions for rare earth element separation. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 143, 110917.	8.2	100
1110	Resource recovery toward sustainability through nutrient removal from landfill leachate. <i>Journal of Environmental Management</i> , 2021, 287, 112265.	3.8	57
1111	Dynamics and Treatability of Heavy Metals in Pig Farm Effluent Wastewater by Using UiO-66 and UiO-66-NH ₂ Nanomaterials as Adsorbents. <i>Water, Air, and Soil Pollution</i> , 2021, 232, 1.	1.1	7
1112	Removal of heavy metal ions from wastewater: a comprehensive and critical review. <i>Npj Clean Water</i> , 2021, 4, .	3.1	511
1113	The effect of redox potential on the removal characteristic of divalent cations during activated carbon-based capacitive deionization. <i>Chemosphere</i> , 2021, 274, 129762.	4.2	19
1114	Synthesis and characterization of layered double hydroxide decorated zeolite as the efficient sorbent for removal of toxic metal ions. <i>Environmental Progress and Sustainable Energy</i> , 2022, 41, e13727.	1.3	3
1115	Insights into purification of contaminated water with activated charcoal derived from hamburger seed coat. <i>International Journal of Environmental Science and Technology</i> , 2022, 19, 6541-6554.	1.8	6

#	ARTICLE	IF	CITATIONS
1116	Comparing hydrate-based method with freezing/thawing method for chromium hydroxide sulfate removal close to the melting point of ice. Separation and Purification Technology, 2021, 266, 118523.	3.9	11
1117	Resource recovery from landfill leachate: An experimental investigation and perspectives. Chemosphere, 2021, 274, 129986.	4.2	57
1118	Review paper on removal of heavy metal ions from industrial waste water effluent. IOP Conference Series: Materials Science and Engineering, 2021, 1168, 012027.	0.3	6
1119	A review on zeolites as cost-effective adsorbents for removal of heavy metals from aqueous environment. International Journal of Environmental Science and Technology, 2022, 19, 8061-8084.	1.8	30
1120	Efficient removal of high-concentration copper ions from wastewater via 2D g-C ₃ N ₄ photocatalytic membrane filtration. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 623, 126714.	2.3	27
1121	Recent advances on ZIF-8 composites for adsorption and photocatalytic wastewater pollutant removal: Fabrication, applications and perspective. Coordination Chemistry Reviews, 2021, 441, 213985.	9.5	180
1122	Boron nanocluster as a heavy metal adsorbent in aqueous environment: A DFT Study. Journal of Molecular Structure, 2021, 1237, 130302.	1.8	19
1123	Role of Adsorbents in Treatment of Pollutants from Aqueous Medium. Oriental Journal of Chemistry, 2021, 37, 868-879.	0.1	1
1124	Comparative Studies of Recirculatory Microbial Desalination Cell–Microbial Electrolysis Cell Coupled Systems. Membranes, 2021, 11, 661.	1.4	8
1125	Exploiting the performance of hyper-cross-linked polystyrene for removal of multi-component heavy metal ions from wastewaters. Journal of Environmental Chemical Engineering, 2021, 9, 105724.	3.3	27
1126	Effective removal of heavy metals from industrial effluent wastewater by a multi metal and drug resistant Pseudomonas aeruginosa strain RA-14 using integrated sequencing batch reactor. Environmental Research, 2021, 199, 111240.	3.7	15
1127	MoS ₂ -Cysteine Nanofiltration Membrane for Lead Removal. ChemEngineering, 2021, 5, 41.	1.0	5
1128	Insights into the removal of Cr(VI) from aqueous solution using plant-mediated biosynthesis of iron nanoparticles. Environmental Technology and Innovation, 2021, 23, 101566.	3.0	7
1129	Electrospun polyacrylonitrile nanofibrous membranes supported with montmorillonite for efficient <sc>PM _{2.5} </sc> filtration and adsorption of Cu (<sc>II</sc>) ions. Journal of Applied Polymer Science, 2022, 139, 51582.	1.3	7
1130	Sorption of lead (II) and strontium (II) ions from aqueous solutions onto non-living Chlorella Vulgaris Alga/ Date pit activated carbon composite. Carbon Letters, 2022, 32, 495-512.	3.3	9
1131	Application of pinewood waste-derived biochar for the removal of nitrate and phosphate from single and binary solutions. Chemosphere, 2021, 278, 130361.	4.2	24
1132	Study on Adsorption Behavior of Nickel Ions Using Silica-Based Sandwich Layered Zirconium-Titanium Phosphate Prepared by Layer-by-Layer Grafting Method. Nanomaterials, 2021, 11, 2314.	1.9	7
1133	Hydrate-Based Method to Remove Cr(III) and Ni(II) in Chromium Hydroxide Sulfate and Nickel Sulfate Hexahydrate Solutions. Journal of Chemical & Engineering Data, 2021, 66, 4248-4253.	1.0	5

#	ARTICLE	IF	CITATIONS
1134	2D MOFs-based Materials for the Application of Water Pollutants Removing: Fundamentals and Prospects. <i>Chemistry - an Asian Journal</i> , 2021, 16, 3585-3598.	1.7	9
1135	Continuous and Selective Removal of Lead from Drinking Water by Shock Electrodialysis. <i>ACS ES&T Water</i> , 2021, 1, 2269-2274.	2.3	16
1136	In-situ generated carbon dot modified filter paper for heavy metals removal in water. <i>Environmental Nanotechnology, Monitoring and Management</i> , 2021, 16, 100582.	1.7	5
1137	Cr(VI) removal by cellulose-based composite adsorbent with a double-network structure. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 625, 126963.	2.3	18
1138	Efficient removal of Cr(VI) from aqueous solution by natural pyrite/rhodochrosite derived materials: Performance, kinetic and mechanism. <i>Advanced Powder Technology</i> , 2021, 32, 3814-3825.	2.0	8
1139	Facile preparation of sulfhydryl modified montmorillonite nanosheets hydrogel and its enhancement for Pb(II) adsorption. <i>Chemosphere</i> , 2021, 280, 130727.	4.2	35
1140	In situ loading MnO ₂ onto 3D Aramid nanofiber aerogel as High-Performance lead adsorbent. <i>Journal of Colloid and Interface Science</i> , 2021, 600, 403-411.	5.0	13
1141	Cleaner technologies to combat heavy metal toxicity. <i>Journal of Environmental Management</i> , 2021, 296, 113231.	3.8	31
1142	NMR spectroscopy of wastewater: A review, case study, and future potential. <i>Progress in Nuclear Magnetic Resonance Spectroscopy</i> , 2021, 126-127, 121-180.	3.9	18
1143	Implementation of water treatment processes to optimize the water saving in chemically enhanced oil recovery and hydraulic fracturing methods. <i>Energy Reports</i> , 2021, 7, 1720-1727.	2.5	7
1144	Chlorine-resistant positively charged polyamide nanofiltration membranes for heavy metal ions removal. <i>Separation and Purification Technology</i> , 2021, 275, 119264.	3.9	29
1145	A high-efficiency Z-scheme Er ³⁺ :YAlO ₃ @(Au/SrTiO ₃)-Au-WO ₃ photocatalyst for solar light induced photocatalytic conversion of Cr(VI). <i>Journal of Molecular Structure</i> , 2021, 1243, 130773.	1.8	8
1146	Effect of ammonia stripping and influence of contaminants in zinc plating wastewater. <i>Journal of Environmental Management</i> , 2021, 298, 113459.	3.8	6
1147	Simultaneous decontamination of multi-pollutants: A promising approach for water remediation. <i>Chemosphere</i> , 2021, 284, 131270.	4.2	15
1148	The effect of high-molecular compounds nature on the electroflotation removal of the metal compounds from electrolyte solutions. <i>Separation and Purification Technology</i> , 2021, 279, 119689.	3.9	2
1149	Selective separation of trace nickel(II) and gold(I) ions via hollow fiber supported liquid membrane enhanced by synergistic extractants D2EHPA/TBP. <i>Arabian Journal of Chemistry</i> , 2021, 14, 103427.	2.3	6
1150	Application of biodegradable cellulose-based biomass materials in wastewater treatment. <i>Environmental Pollution</i> , 2021, 290, 118087.	3.7	56
1151	A review on adsorptive separation of toxic metals from aquatic system using biochar produced from agro-waste. <i>Chemosphere</i> , 2021, 285, 131438.	4.2	59

#	ARTICLE	IF	CITATIONS
1152	Optimal start-up conditions for the efficient treatment of acid mine drainage using sulfate-reducing bioreactors based on physicochemical and microbiome analyses. <i>Journal of Hazardous Materials</i> , 2022, 423, 127089.	6.5	15
1153	Examining samarium sorption in biochars and carbon-rich materials for water remediation: batch vs. continuous-flow methods. <i>Chemosphere</i> , 2022, 287, 132138.	4.2	4
1154	Technological solutions for long-term storage of partially used nuclear waste: A critical review. <i>Annals of Nuclear Energy</i> , 2022, 166, 108736.	0.9	65
1155	Highly selective heavy metal ions membranes combining sulfonated polyethersulfone and self-assembled manganese oxide nanosheets on positively functionalized graphene oxide nanosheets. <i>Chemical Engineering Journal</i> , 2022, 428, 131267.	6.6	42
1156	Effect of Microbially Produced Silver Nanoparticles on Bioremediation of Waste Dye: Nanobioremediation. <i>Microorganisms for Sustainability</i> , 2021, , 161-185.	0.4	0
1157	Application and efficacy of low-cost adsorbents for metal removal from contaminated water: A review. <i>Materials Today: Proceedings</i> , 2021, 43, 2958-2964.	0.9	11
1158	Homogeneous succinylation of cellulose acetate: Design, characterization and adsorption study of Pb(II), Cu(II), Cd(II) and Zn(II) ions. <i>E3S Web of Conferences</i> , 2021, 240, 02003.	0.2	1
1159	Advanced approaches for heavy metals removal from industrial wastewater. , 2021, , 403-440.		3
1160	Recycled Activated Carbon-Based Materials for the Removal of Organic Pollutants from Wastewater. <i>Topics in Mining, Metallurgy and Materials Engineering</i> , 2021, , 513-539.	1.4	4
1161	Simultaneous Removal of Cationic and Anionic Dyes from Binary Solutions Using Carboxymethyl Chitosan Based IPN Type Resin. <i>Journal of Polymers and the Environment</i> , 2021, 29, 1963-1977.	2.4	5
1162	Bioremediation of heavy metals from wastewater treatment plants by microorganisms. , 2021, , 411-434.		1
1163	Cd ²⁺ removal from synthetic waters by ZnCl ₂ -activated carbon. <i>Materials Today: Proceedings</i> , 2021, 45, 4684-4688.	0.9	4
1164	Fabrication, application, optimization and working mechanism of Fe ₂ O ₃ and its composites for contaminants elimination from wastewater. <i>Chemosphere</i> , 2021, 263, 127889.	4.2	38
1165	Enhancement of Zinc Ion Removal from Water by Physically Mixed Particles of Iron/Iron Sulfide. <i>Water, Air, and Soil Pollution</i> , 2021, 232, 1.	1.1	3
1166	Nanocomposite membranes for heavy metal removal. , 2021, , 575-603.		5
1168	Electrochemical recovery of metal copper in microbial fuel cell using graphene oxide/polypyrrole cathode catalyst. <i>International Journal of Energy Research</i> , 2021, 45, 6863-6875.	2.2	9
1169	Removal of Heavy Metals from Industrial Effluents by the Submerged Aquatic Plant <i>Myriophyllum spicatum</i> L., 2008, , 211-221.		7
1170	Heavy Metal Mitigation with Special Reference to Bioremediation by Mixotrophic Algae-Bacterial Protocooperation. <i>Nanotechnology in the Life Sciences</i> , 2020, , 305-334.	0.4	6

#	ARTICLE	IF	CITATIONS
1171	Some Effective Methods for Treatment of Wastewater from Cu Production. <i>Environmental Chemistry for A Sustainable World</i> , 2021, , 313-440.	0.3	1
1172	Oil Palm Biomass as an Adsorbent for Heavy Metals. <i>Reviews of Environmental Contamination and Toxicology</i> , 2014, 232, 61-88.	0.7	21
1173	Tools and Techniques for Purification of Water Using Nano Materials. , 2019, , 285-322.		2
1174	Cheap Materials to Clean Heavy Metal Polluted Waters. <i>Environmental Chemistry for A Sustainable World</i> , 2013, , 335-414.	0.3	9
1175	Recovery of Rare Earths, Precious Metals and Bioreduction of Toxic Metals from Wastewater Using Algae. <i>Microorganisms for Sustainability</i> , 2020, , 267-297.	0.4	2
1176	Kinetics and equilibrium study of lead bio-sorption from contaminated water by compost and biogas residues. <i>International Journal of Environmental Science and Technology</i> , 2019, 16, 3839-3850.	1.8	9
1178	Development of a decision support system for the selection of wastewater treatment technologies. <i>Science of the Total Environment</i> , 2020, 731, 139158.	3.9	50
1179	Separation of platinum, palladium and rhodium from aqueous solutions using ion exchange resin: A review. <i>Separation and Purification Technology</i> , 2020, 246, 116896.	3.9	118
1180	Mechanism of Adsorption on Nanomaterials. <i>RSC Detection Science</i> , 2016, , 90-111.	0.0	10
1181	Recent advancements in conducting polymer bionanocomposites and hydrogels for biomedical applications. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2022, 71, 513-530.	1.8	56
1182	Adsorption mechanisms for heavy metal removal using low cost adsorbents: A review. <i>IOP Conference Series: Earth and Environmental Science</i> , 2020, 614, 012166.	0.2	26
1183	Role of Membrane Surface Charge and Complexation-Ultrafiltration for Heavy Metals Removal: A Mini Review. <i>Journal of Applied Membrane Science & Technology</i> , 2020, 24, .	0.3	2
1184	Removal of Copper and Fluoride from Wastewater by the Coupling of Electrocoagulation, Fluidized Bed and Micro-Electrolysis (EC/FB/ME) Process. <i>American Journal of Chemical Engineering</i> , 2014, 2, 86.	0.1	4
1185	Dendrimer-Based Hybrid Nanomaterials for Water Remediation: Adsorption of Inorganic Contaminants. , 2019, , 279-298.		2
1186	FT-IR/PAS Studies of Cu(II)-EDTA Complexes Sorption in the Chelating Ion Exchangers. <i>Acta Physica Polonica A</i> , 2009, 116, 340-343.	0.2	31
1187	Microfiltration/ultrafiltration polyamide-6 membranes for copper removal from aqueous solutions. <i>Membrane Water Treatment</i> , 2016, 7, 55-70.	0.5	15
1188	Removal of Nickel from Aqueous Solution by Nano Hydroxyapatite Originated from Persian Gulf Corals. <i>Canadian Chemical Transactions</i> , 2013, 1, 173-190.	0.2	26
1189	Determining the Salt Tolerance Threshold for Biological Treatment of Salty Wastewater. <i>Health Scope</i> , 2016, 6, .	0.4	3

#	ARTICLE	IF	CITATIONS
1190	Hexavalent Chromium Uptake from Aqueous Solutions using Raw Biomass of the Invasive Brown Seaweed <i>Sargassum muticum</i> from the Moroccan Shorelines: Kinetics and Isotherms. <i>European Scientific Journal</i> , 2016, 12, 243.	0.0	4
1191	Application of Microbial Enzymes in Industrial Waste Water Treatment. <i>International Journal of Current Microbiology and Applied Sciences</i> , 2017, 6, 1243-1254.	0.0	38
1192	REMOVAL OF Cd(II) AND Pb(II) FROM AQUEOUS SOLUTIONS BY PISTACHIO HULL WASTE. <i>Revista Internacional De Contaminacion Ambiental</i> , 2018, 34, 307-316.	0.1	10
1194	Microalgae Cultivation and Industrial Waste: New Biotechnologies for Obtaining Silver Nanoparticles. <i>Mini-Reviews in Organic Chemistry</i> , 2019, 16, 369-376.	0.6	8
1195	Recent Advances in Water Treatment Using Graphene-based Materials. <i>Mini-Reviews in Organic Chemistry</i> , 2020, 17, 74-90.	0.6	6
1196	Utilizaci3n de subproductos agroindustriales para la bioadsorci3n de metales pesados. <i>TIP Revista Especializada En Ciencias Qu4mico-Biol3gicas</i> , 0, 23, .	0.3	5
1197	Obtaining of Brown Pigments from Concentrated Waste Water Containing Nickel. <i>Chemistry and Chemical Technology</i> , 2016, 10, 209-212.	0.2	12
1198	Remediation of Nickel ion from wastewater by applying various techniques: a review. <i>Acta Chemica Malaysia</i> , 2019, 3, 1-15.	0.6	23
1199	Removal of lead from aqueous solutions using Saudi activated bentonite. , 2010, , .		7
1200	KAYISI 4EK4RDE4z4 KABUKLARI 4LE SULLU 44-ZELT4DEN MET4LEN MAV4S4 ADSORPS4YONUNA PART4K4CEL BOYUTUNUMUNUN ETK4S4. 4-mer Halisdemir 4eniversitesi M44hendislik Bilimleri Dergisi, 0, , .	0.2	1
1201	An Overview of Adsorption Technique for Heavy Metal Removal from Water/Wastewater: A Critical Review. <i>International Journal of Pure and Applied Sciences</i> , 2017, 3, 10-19.	0.3	103
1202	Removal of hexavalent chromium from electroplating wastewater by electrocoagulation with iron electrodes. <i>Global Nest Journal</i> , 2013, 13, 412-418.	0.3	10
1203	Heavy Metals Accumulation in <i>Rhazya stricta</i> L. Plant Growing on Industrial Wastewater of Riyadh City, Saudi Arabia. <i>Journal of Applied Sciences</i> , 2014, 14, 2007-2010.	0.1	3
1204	Evaluation of the Efficiency of Wastewater Treatment and Use of <i>Chironomus calipterus</i> (Diptera): Tj ETQq1 1 0.784314 rgBT /Overlook 2010, 5, 94-105.	0.1	3
1205	Adsorption of Heavy Metals from Aqueous Solutions on Synthetic Zeolite. <i>Research Journal of Environmental Sciences</i> , 2008, 2, 13-22.	0.5	50
1206	Recuperaci3n de iones cobre por flotaci3n con amilxantato de potasio. <i>Revista De Metalurgia</i> , 2012, 48, 254-263.	0.1	3
1207	Separation of Copper (II) with Solvent Extraction Using Lauric acid Diluted in Benzene. <i>Journal of Thermodynamics & Catalysis</i> , 2011, 02, .	0.2	8
1208	Removal of Chromium(III) from the Waste Solution of an Indian Tannery by Amberlite IR 120 Resin. <i>International Journal of Nonferrous Metallurgy</i> , 2012, 01, 32-41.	0.5	9

#	ARTICLE	IF	CITATIONS
1209	Relationship between Helium Degassing of Cattle-Manure-Compost Adsorbents and Copper Ions Removal. <i>International Journal of Organic Chemistry</i> , 2012, 02, 262-266.	0.3	2
1210	Retention Profile of Zn ²⁺ and Ni ²⁺ Ions from Wastewater onto Coffee Husk: Kinetics and Thermodynamic Study. <i>Journal of Encapsulation and Adsorption Sciences</i> , 2018, 08, 1-17.	0.3	4
1211	Biosorption and Chemical Precipitation of Lead Using Biomaterials, Molecular Sieves, and Chlorides, Carbonates, and Sulfates of Na & Ca. <i>Journal of Environmental Protection</i> , 2013, 04, 1251-1257.	0.3	21
1212	Study of the Adsorbent-Adsorbate Interactions from Cd(II) and Pb(II) Adsorption on Activated Carbon and Activated Carbon Fiber. <i>Journal of the Korean Chemical Society</i> , 2013, 57, 104-108.	0.2	5
1213	Heavy Metal Contamination of Ground Water from an Unlined Landfill in Bulawayo, Zimbabwe. <i>Journal of Health and Pollution</i> , 2017, 8, 18-27.	1.8	2
1214	Estimation of Exopolysaccharides (EPS) Producing Ability of Cr (VI) Resistant Bacterial Strains from Tannery Effluent. <i>Journal of Basic & Applied Sciences</i> , 0, 13, 589-596.	0.8	8
1215	Adsorption of Copper by Raw Pinecone. <i>American Chemical Science Journal</i> , 2014, 4, 992-1000.	0.2	2
1216	Adsorption of Copper by Biochar. <i>International Research Journal of Pure and Applied Chemistry</i> , 2014, 4, 727-736.	0.2	9
1217	Direct Synthesis of Sodalite from Indonesian Kaolin for Adsorption of Pb ²⁺ Solution, Kinetics, and Isotherm Approach. <i>Bulletin of Chemical Reaction Engineering and Catalysis</i> , 2019, 14, 502-512.	0.5	5
1218	Concomitant bioremediation of chromium (VI) and pentachlorophenol from the tannery effluent by immobilized <i>Brevibacterium casei</i> . <i>IOSR Journal of Engineering</i> , 2014, 04, 29-39.	0.1	3
1219	SYNTHESIS AND REMOVAL OF HEAVY METAL FROM WATER BODIES USING BIOSORBENT (HYDROGEL) Tj ETQq0 0 0 rgBT /Oyerlock 10		
1220	A novel, eco-friendly multi-walled carbon nanotubes functionalized copper metal-organic framework for ultrasensitive potentiometric detection of cadmium ions. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106534.	3.3	13
1221	Sustainable approach for wastewater treatment using microbial fuel cells and green energy generation – A comprehensive review. <i>Journal of Molecular Liquids</i> , 2021, 344, 117795.	2.3	65
1222	Tratamentos integrados em efluente metal-mecânico: precipitação química e biotratamento em reator do tipo air-lift. <i>Engenharia Sanitaria E Ambiental</i> , 2011, 16, 181-188.	0.1	0
1223	Simulation and Optimization of Biosorption Studies for Prediction of Sorption Efficiency of <i>Leucaena Leucocephala</i> Seeds for the Removal of Ni (II) From Waste Water. , 2012, , 253-257.		1
1224	Green Liquid Membrane: Development and Challenges. <i>Journal of Membrane Science & Technology</i> , 2012, 02, .	0.5	4
1225	Emulsion Liquid Membrane: Removal and Recovery of Organic and Inorganic Ions. <i>Journal of Membrane Science & Technology</i> , 2013, 03, .	0.5	1
1226	Removal characteristics and adsorption isotherm simulation of Cu(II) in wastewater by a novel fly ash ceramite. , 2013, , 261-268.		0

#	ARTICLE	IF	CITATIONS
1228	Metal Ion Removal by Cathodic Reduction. , 2014, , 1240-1245.		0
1229	Ion Extraction. , 2014, , 1093-1098.		0
1230	AVALIAÇÃO DA EFICIÊNCIA DO PROCESSO DE COAGULAÇÃO/FLOCULAÇÃO APLICADO AO TRATAMENTO PRIMÁRIO DE EFLUENTE DA INDÚSTRIA PETROQUÍMICA. Engevista, 2014, 16, 404.	0.1	0
1231	Heavy Metal Removal of Acrylic Acid-grafted Bacterial Cellulose in Aqueous Solution. Journal of Environmental Science International, 2014, 23, 1419-1428.	0.0	0
1232	Making sense of our mining wastes: Removal of heavy metals from AMD using sulphidation media derived from waste gypsum. Journal of the South African Institute of Mining and Metallurgy, 2015, 115, 1193-1197.	0.5	1
1233	Removal of Heavy Metal from Wastewater. , 2015, , 1-27.		1
1234	Adsorption of Acid Orange II and Cu(II) Ion with Amino-EDTA Modified Silica Gel. , 0, , .		0
1235	Kinetics of Hg and Pb Removal in Aqueous Solution Using Coal Fly Ash Adsorbent. IPTEK: the Journal for Technology and Science, 2015, 25, .	0.2	0
1236	The Potential of Sargassum oligocystum Harvested From Persian Gulf for the Adsorption of Copper Ions From Aqueous Solutions. Avicenna Journal of Environmental Health Engineering, 2015, 2, .	0.3	0
1237	Heavy Metal Recovery by Membrane Operations. , 2016, , 911-912.		0
1238	Study of Heavy Metals Concentration from Different Steel-Based Industries Effluents. , 2016, , 281-286.		0
1239	Kinetic Modeling for Removal of Pb, Cd, Ni, and Cr Ions from Petrochemical Effluent using Termite Soil. International Journal of Sciences, 2016, 2, 77-82.	0.2	0
1240	Removal of Cu (II) from Water Using Hydrothermally Synthesized Strontium Doped Zirconium Oxide Nano Adsorbents. Journal of Material Science & Engineering, 2016, 5, .	0.2	4
1242	Excess Permittivity for Mixtures at Various Concentrations: An Experimental Approach. , 2016, , 39-46.		0
1243	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
1244	Feasibility Study of Disposed LCD Monitor and Carbon Cloth Electrodes for Synchronized Removal/Recovery of Cr6+ by Microbial Fuel Cells. International Journal of Environmental Science and Development, 2017, 8, 557-560.	0.2	4
1245	Influence of Different Galvanic Sludge Types on the Extraction Efficiency of Chromium Ions. Advanced Materials Research, 0, 1143, 108-113.	0.3	1
1246	Purification of Aqueous Solution from Ni (II) Ions Using Commercial and Bitter Orange Leaves Activated Charcoal. Journal of Al-Nahrain University-Science, 2017, 17, 32-40.	0.1	0

#	ARTICLE	IF	CITATIONS
1247	EFFECT OF FRIENDLY SORBENTS ON BASE POLYMER NANOCOMPOSITES. WIT Transactions on Ecology and the Environment, 2017, , .	0.0	0
1248	Avalia�o de floculantes em processo de sedimenta�o visando o tratamento de �gua com alto teor de s�lidos. , 0, , .		0
1249	Prospective Sustainability of Utilization of Effective Techniques for Remediation of Heavy Metals From Textile Effluents. Advances in Environmental Engineering and Green Technologies Book Series, 2018, , 19-49.	0.3	1
1250	Adsorptive behavior of Ni (II) on phosphoethanolamine functionalized titanium dioxid. Open Access Journal of Science, 2018, 2, .	0.3	0
1251	Occurrence and Fate of Selected Heavy Metals in a Conventional Municipal Wastewater Treatment Plant in Kisumu City, Kenya. Advances in Environmental Engineering and Green Technologies Book Series, 2019, , 211-224.	0.3	0
1253	Ion Flotation and Flame atomic absorption spectrophotometric determination of of Nickel and Cobalt in environmental and pharmaceutical samples using a thiosemicarbazone derivative. Egyptian Journal of Chemistry, 2019, .	0.1	1
1254	Efficiency of Precipitation and Removal of Pb(II) and Zn(II) Ions from Their Monocomponent and Two-Component Aqueous Solutions Using Na2CO3. Lecture Notes in Networks and Systems, 2020, , 569-575.	0.5	1
1255	NaX Nano-taneciklerin A�r Metal ve Boyar Madde Gideriminde Kullan�m. Journal of the Faculty of Engineering and Architecture of Gazi University, 0, , .	0.3	2
1256	Histochemical assessment of Moringa � oleifera oil and walnut oil on cadmium induced lateral geniculate body damage in developing male Wistar rats (Rattus novergicus). Anatomy Journal of Africa, 2019, 8, 1593-1605.	0.1	3
1257	Diversity and Performance of Sulphate-Reducing Bacteria in Acid Mine Drainage Remediation Systems. Advances in Science, Technology and Innovation, 2020, , 121-123.	0.2	0
1258	Kinetic and equilibrium studies of adsorption of Pb(II) on low cost agri-waste adsorbent Jute Stick Powder. European Journal of Chemistry, 2019, 10, 295-304.	0.3	1
1259	Applications of Bio-electrochemical Systems in Heavy Metal Removal and Recovery. , 2020, , 235-256.		2
1260	State-of-the-Art Review�Methods of Chromium Removal from Water and Wastewater. Lecture Notes in Civil Engineering, 2021, , 37-51.	0.3	0
1261	BIOREMOVAL OF TOXIC CHROMIUM(VI) VIA DARK HYDROGEN FERMENTATION OF MULTICOMPONENT ORGANIC WASTE. Biotechnologia Acta, 2020, 13, 49-59.	0.3	0
1262	Recent Progress and Challenges in Hollow Fiber Membranes for Wastewater Treatment and Resource Recovery. Membranes, 2021, 11, 839.	1.4	12
1263	Removal of heavy metals using bioelectrochemical systems. , 2020, , 49-71.		1
1264	Materials and Technologies for the Removal of Chromium from Aqueous Systems. Sustainable Agriculture Reviews, 2020, , 113-177.	0.6	2
1266	Removal of Cadmium from Simulated Wastewaters Using a Fixed Bed Bio-electrochemical Reactor. Engineering Journal, 2020, 26, 110-130.	0.3	5

#	ARTICLE	IF	CITATIONS
1267	Prospective Sustainability of Utilization of Effective Techniques for Remediation of Heavy Metals From Textile Effluents. , 2022, , 517-542.		0
1268	Application of metagenomics to biological wastewater treatment. Science of the Total Environment, 2022, 807, 150737.	3.9	35
1269	Technology status and trends of industrial wastewater treatment: A patent analysis. Chemosphere, 2022, 288, 132483.	4.2	57
1270	KAPYA BÄ°BER ARTIÄZI KULLANILARAK BÄ°YOSORPSÄ°YONLA ATIKSULARDAN NÄ°KEL GÄ°DERÄ°MÄ°. Ä—mer Halisdemir Äœniversitesi MÄ¼hendislik Bilimleri Dergisi, 0, , .	0.2	0
1271	Effect of Phase Duty Cycle on the Properties of ZrH1.8 Surface Micro-arc Oxidized Ceramic Layer. Wuji Cailiao Xuebao/Journal of Inorganic Materials, 2020, 35, 1112.	0.6	0
1272	Treatment Technologies for Addressing the Removal of Industrial Effluents Affecting the Quality of Ganges River in Eastern Part of Uttar Pradesh, India. , 2020, , 29-46.		1
1273	Biosorption of Nickel (II) and Cadmium (II). Environmental Chemistry for A Sustainable World, 2020, , 373-391.	0.3	0
1274	Synthesis and Characterization of Chitosan-Alginate-Based Cross-linked Copolymer for the Effective Removal of Methylene Blue from Its Aqueous Solution. Water, Air, and Soil Pollution, 2021, 232, 1.	1.1	7
1275	Physically-crosslinked activated CaCO3/polyaniline-polypyrrole-modified GO/alginate hydrogel sorbent with highly efficient removal of copper(II) from aqueous solution. Chemical Engineering Journal, 2022, 431, 133375.	6.6	10
1276	Green Synthesis of Reusable Adsorbents for the Removal of Heavy Metal Ions. ACS Omega, 2021, 6, 30478-30487.	1.6	28
1277	Phytoremediation of Toxic Metals: A Sustainable Green Solution for Clean Environment. Applied Sciences (Switzerland), 2021, 11, 10348.	1.3	27
1278	Heavy Metal Removal by Low-Cost Adsorbents. Environmental Chemistry for A Sustainable World, 2021, , 245-272.	0.3	3
1279	Decentralised, small-scale coagulation-membrane treatment of wastewater from metal recycling villages â€“ a case study from Vietnam. Water Science and Technology, 2020, 82, 2125-2133.	1.2	0
1280	Synthesis, characterization and photocatalytic activity evaluation of WO3, TiO2 and WO3/TiO2 supported on zeolite faujasite. International Journal of Chemical Reactor Engineering, 2020, .	0.6	3
1281	Source, Pollution and Remediation of Carcinogenic Hexavalent Chromium from Industrial, Mining Effluents. Environmental Chemistry for A Sustainable World, 2021, , 305-320.	0.3	0
1282	Bioaccumulation and detoxification of heavy metals. , 2022, , 243-264.		7
1284	Immobilization of W(VI) and/or Cr(VI) in soil treated with montmorillonite modified by a gemini surfactant and tetrachloroferrate (FeCl4â€“). Journal of Hazardous Materials, 2022, 425, 127768.	6.5	7
1286	Efficient removal of aluminium(III) from aqueous solutions via ion-flotation technique using aluminon as a chelating agent and oleic acid as a surfactant. International Journal of Environmental Analytical Chemistry, 0, , 1-18.	1.8	1

#	ARTICLE	IF	CITATIONS
1287	Application of Modern Research Methods for the Physicochemical Characterization of Ion Exchangers. <i>Materials</i> , 2021, 14, 7067.	1.3	9
1288	New insight into the bioinspired sub-10Ånm Sn(HPO ₄) ₂ confinement for efficient heavy metal remediation in wastewater. <i>Journal of Colloid and Interface Science</i> , 2022, 609, 676-685.	5.0	16
1289	Synthesis and application of perovskite nanoparticles for the adsorption of ketoprofen and fenoprofen in wastewater for sustainable water management. <i>Journal of Molecular Liquids</i> , 2022, 346, 118232.	2.3	14
1290	Physicomechanical properties, stabilization mechanism, and antifungal activity of alkali-activated slag mixed with Cr ⁶⁺ and Ni ²⁺ rich industrial wastewater. <i>Journal of Building Engineering</i> , 2022, 46, 103813.	1.6	4
1291	Study and Proposal for a Hyperfluorinated Brackish Water Treatment System in the Fatick Region, Case of Diouroup (Senegal). <i>American Journal of Analytical Chemistry</i> , 2021, 12, 392-407.	0.3	0
1292	Metal-Organic Frameworks/Polymer Composite Membranes. <i>RSC Smart Materials</i> , 2021, , 98-141.	0.1	0
1293	Copper deposition on metallic and non-metallic single particles via impact electrochemistry. <i>Electrochimica Acta</i> , 2022, 405, 139838.	2.6	6
1294	Self-propelled micro/nanomotors for removal of insoluble water contaminants: microplastics and oil spills. <i>Environmental Science: Nano</i> , 2021, 8, 3440-3451.	2.2	17
1296	Heavy Metal Adsorption Using Magnetic Nanoparticles for Water Purification: A Critical Review. <i>Materials</i> , 2021, 14, 7500.	1.3	33
1297	Catalytic advancements in carbonaceous materials for bio-energy generation in microbial fuel cells: a review. <i>Environmental Science and Pollution Research</i> , 2023, 30, 24815-24841.	2.7	13
1298	A review on sources of heavy metals, their toxicity and removal technique using physico-chemical processes from wastewater. <i>Environmental Science and Pollution Research</i> , 2022, 29, 16772-16781.	2.7	32
1299	Heavy metal contamination in the river ecosystem. , 2022, , 37-50.		3
1300	Selective separation of heavy metal ions in sequence by TAA. <i>Separation Science and Technology</i> , 2022, 57, 2116-2126.	1.3	1
1301	Recent trends and future perspectives in applications of biofiltration. , 2022, , 113-136.		1
1302	Gelatin-Siloxane Hybrid Monoliths as Novel Heavy Metal Adsorbents. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 1258.	1.3	5
1303	Comparison and Optimization of Operational Parameters in Removal of Heavy Metal Ions from Aqueous Solutions by Low-Cost Adsorbents. <i>International Journal of Chemical Engineering</i> , 2022, 1-21.	1.4	10
1304	Design, synthesis, and performance of adsorbents for heavy metal removal from wastewater: a review. <i>Journal of Materials Chemistry A</i> , 2022, 10, 1047-1085.	5.2	68
1305	Application of green nanocomposites in removal of toxic chemicals, heavy metals, radioactive materials, and pesticides from aquatic water bodies. , 2022, , 321-346.		1

#	ARTICLE	IF	CITATIONS
1306	Comparison of Nature and Synthetic Zeolite for Waste Battery Electrolyte Treatment in Fixed-Bed Adsorption Column. <i>Energies</i> , 2022, 15, 347.	1.6	4
1307	Removal and recovery of vanadium from waste by chemical precipitation, adsorption, solvent extraction, remediation, photo-catalyst reduction and membrane filtration. A review. <i>Environmental Chemistry Letters</i> , 2022, 20, 1763-1776.	8.3	24
1308	Synthesis of eco-friendly nanocomposite polyoxometalates Dawson type and their application for the removal of cadmium from aqueous solution. <i>Nanotechnology for Environmental Engineering</i> , 0, , 1.	2.0	1
1309	Research progress on the removal, recovery and direct high-value materialization of valuable metal elements in electroplating/electroless plating waste solution. <i>Journal of Water Process Engineering</i> , 2022, 46, 102577.	2.6	17
1310	Recovery of precious metals from industrial wastewater towards resource recovery and environmental sustainability: A critical review. <i>Desalination</i> , 2022, 527, 115510.	4.0	67
1311	Non linear regression analysis and response surface modeling for Cr (VI) removal from aqueous solution using poly-aniline coated sugarcane bagasse (PANI@SB) composites as an adsorbent. <i>Surfaces and Interfaces</i> , 2022, 29, 101729.	1.5	9
1312	Biosorption of heavy metals from aqueous solution by various chemically modified agricultural wastes: A review. <i>Journal of Water Process Engineering</i> , 2022, 46, 102446.	2.6	34
1313	Rare earth elements and radionuclides. , 2022, , 309-329.		2
1314	A review on bio-electro-Fenton systems as environmentally friendly methods for degradation of environmental organic pollutants in wastewater. <i>RSC Advances</i> , 2022, 12, 5184-5213.	1.7	12
1315	Chemical co-precipitation synthesis of manganese ferrite (MnFe ₂ O ₄) nanoparticles as a magnetic adsorbent of lead. <i>Main Group Chemistry</i> , 2022, 21, 1029-1038.	0.4	1
1316	A waterwheel hybrid generator with disk triboelectric nanogenerator and electromagnetic generator as a power source for an electrocoagulation system. <i>Nano Energy</i> , 2022, 95, 107048.	8.2	28
1317	Biosorptive ascendancy of plant based biosorbents in removing hexavalent chromium from aqueous solutions – Insights into isotherm and kinetic studies. <i>Environmental Research</i> , 2022, 210, 112902.	3.7	22
1318	A critical review of the recently developed laboratory-scale municipal solid waste landfill leachate treatment technologies. <i>Sustainable Energy Technologies and Assessments</i> , 2022, 52, 102011.	1.7	7
1319	Panorama das indústrias galvanicas de Juazeiro do Norte, Cear�: com �nfase nos teores de metais-tra�so nos efluentes e res�duos s�lidos. <i>Engenharia Sanitaria E Ambiental</i> , 2021, 26, 1111-1121.	0.1	1
1320	A new bentonite deposit prospected in the Cap des Trois Fourches area (north-eastern Rif, Morocco) using spectrometry by satellite imagery coupled with mineralogical, chemical, and microstructural investigations. <i>Arabian Journal of Geosciences</i> , 2021, 14, 1.	0.6	4
1322	The Utilization of Algae and Seaweed Biomass for Bioremediation of Heavy Metal-Contaminated Wastewater. <i>Molecules</i> , 2022, 27, 1275.	1.7	89
1323	Experimental Investigation on Bioremediation of Heavy Metal Contaminated Solution by <i>Sporosarcina pasteurii</i> under Some Complex Conditions. <i>Water (Switzerland)</i> , 2022, 14, 595.	1.2	5
1326	A New Schiff Base Organically Modified Silica Aerogel-Like Material for Metal Ion Adsorption with Ni Selectivity. <i>Adsorption Science and Technology</i> , 2022, 2022, .	1.5	4

#	ARTICLE	IF	CITATIONS
1327	Layer-by-Layer Assembly of Polyelectrolytes on Urchin-like MnO ₂ for Extraction of Zn ²⁺ , Cu ²⁺ and Pb ²⁺ from Alkaline Solutions. <i>Crystals</i> , 2022, 12, 358.	1.0	2
1328	Novel Silica Hybrid Adsorbent Functionalized with γ -Glutathione Used for the Uptake of As(V) from Aqueous Media. <i>Industrial & Engineering Chemistry Research</i> , 2022, 61, 4348-4362.	1.8	5
1329	Low Cost, Recyclable and Magnetic Moringa Oleifera Leaves for Chromium(VI) Removal From Water. <i>Frontiers in Water</i> , 2022, 4, .	1.0	3
1330	Electrochemical Synthesis Methods of Metal-Organic Frameworks and Their Environmental Analysis Applications: A Review. <i>ChemElectroChem</i> , 2022, 9, .	1.7	16
1331	A review on agro-based materials on the separation of environmental pollutants from water system. <i>Chemical Engineering Research and Design</i> , 2022, 181, 423-457.	2.7	8
1332	Elimination of toxic heavy metals from industrial polluted water by using hydrophytes. <i>Journal of Cleaner Production</i> , 2022, 352, 131358.	4.6	18
1333	Recent development of double chamber microbial fuel cell for hexavalent chromium waste removal. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 107505.	3.3	31
1334	Ti ₃ C ₂ TX-Ethylenediamine nanofiltration membrane for high rejection of heavy metals. <i>Chemical Engineering Journal</i> , 2022, 437, 135297.	6.6	24
1335	Metallic nanoparticles for catalytic reduction of toxic hexavalent chromium from aqueous medium: A state-of-the-art review. <i>Science of the Total Environment</i> , 2022, 829, 154475.	3.9	45
1336	Industrial steel waste recovery pathway: Production of innovative supported catalyst and its application on hexavalent chromium reduction studies. <i>Chemosphere</i> , 2022, 298, 134216.	4.2	4
1337	A Review on Promising Membrane Technology Approaches for Heavy Metal Removal from Water and Wastewater to Solve Water Crisis. <i>Water (Switzerland)</i> , 2021, 13, 3241.	1.2	28
1338	Removal of Copper, Nickel, and Zinc Ions from an Aqueous Solution through Electrochemical and Nanofiltration Membrane Processes. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 280.	1.3	10
1339	Recent trends in Ni(II) sorption from aqueous solutions using natural materials. <i>Reviews in Environmental Science and Biotechnology</i> , 2022, 21, 105-138.	3.9	22
1340	Biochar-cadmium retention and its effects after aging with Hydrogen Peroxide (H ₂ O ₂). <i>Heliyon</i> , 2021, 7, e08476.	1.4	2
1341	Evaluation of hydrazine, dimethylamine borane and glyoxylic acid as reducing agents in reductive precipitation.. <i>South African Journal of Chemical Engineering</i> , 2022, 41, 17-25.	1.2	0
1342	Relationship between Hg(II) adsorption property and functional group of different thioamide chelating resins. <i>Separation and Purification Technology</i> , 2022, 292, 121044.	3.9	21
1343	Selective adsorption of heavy metals from water by a hyper-branched magnetic composite material: Characterization, performance, and mechanism. <i>Journal of Environmental Management</i> , 2022, 314, 114979.	3.8	31
1345	MOF-based materials as soil amendments. , 2022, , 105-155.		0

#	ARTICLE	IF	CITATIONS
1346	An overview on the application of constructed wetlands for the treatment of metallic wastewater. , 2022, , 103-130.		3
1347	Characteristics of Zeolite Performance in Removal of Heavy Metals from Stormwater Runoff. SSRN Electronic Journal, 0, , .	0.4	0
1348	Recent trends of carbon nanotubes and chitosan composites for hexavalent chromium removal from aqueous samples. Separation Science and Technology, 2022, , 177-207.	0.0	1
1349	Using nano-magnesium oxide/bentonite composite for cadmium removal from industrial wastewater. Environmental Engineering Research, 2023, 28, 210545-0.	1.5	10
1350	Highly stable cellulose nanofiber/polyacrylamide aerogel via in-situ physical/chemical double crosslinking for highly efficient Cu(II) ions removal. International Journal of Biological Macromolecules, 2022, 209, 1922-1932.	3.6	27
1351	Treatment of whitewater from pulp and paper industry using membrane filtrations. Chemical Papers, 2022, 76, 5001-5010.	1.0	27
1352	Equilibrium Biosorption of Zn ²⁺ and Ni ²⁺ Ions from Monometallic and Bimetallic Solutions by Crab Shell Biomass. Processes, 2022, 10, 886.	1.3	6
1353	Comparative Studies among Electro-Coagulation, Chemical Precipitation, and Adsorption. , 2022, , 271-311.		0
1354	An environmentally friendly gradient treatment system of copper-containing wastewater by coupling thermally regenerative battery and electrodeposition cell. Separation and Purification Technology, 2022, 295, 121243.	3.9	8
1355	Highly efficient Cd(â...j) removal using 3D N-doped carbon derived from MOFs: Performance and mechanisms. Journal of Hazardous Materials, 2022, 436, 129149.	6.5	8
1357	Experimental study on the treatment of acid mine drainage containing heavy metals with domestic waste pyrolysis ash. Water Science and Technology, 2022, 85, 3225-3239.	1.2	5
1358	Simultaneous removal of Cr(VI) and Cu(II) from acid wastewater by electrocoagulation using sacrificial metal anodes. Journal of Molecular Liquids, 2022, 359, 119276.	2.3	18
1359	Biosorption for lead (II) ions from aqueous solutions by the biomass of <i>Spyridia filamentosa</i> algal species found in Indian Ocean. Journal of Scientific and Innovative Research, 2015, 4, 218-220.	0.3	1
1360	A systematic review on leaching of rare earth metals from primary and secondary sources. Minerals Engineering, 2022, 184, 107632.	1.8	23
1361	Preparation of NiO/MWCNTs nanocomposite forÂthe removal of cadmium ions. Journal of Materials Research and Technology, 2022, 19, 1961-1971.	2.6	21
1362	Bioinspired Mesoporous Silica for Cd(II) Removal from Aqueous Solutions. Industrial & Engineering Chemistry Research, 2022, 61, 8188-8203.	1.8	7
1364	ARSENIC REMOVAL TECHNOLOGIES: MAPPING GLOBAL RESEARCH ACTIVITIES (1970-2019). Kocaeli Journal of Science and Engineering, 0, , .	0.3	0
1365	<i>Leucaena leucocephala</i> as biomass material for the removal of heavy metals and metalloids. , 2022, , 287-306.		0

#	ARTICLE	IF	CITATIONS
1366	A comprehensive review on nanotechnology application in wastewater treatment a case study of metal-based using green synthesis. Journal of Environmental Chemical Engineering, 2022, 10, 108065.	3.3	41
1367	Synthesized Copolymer Derivative of Poly(Styrene-alt-Maleic Anhydride) as a New Chelating Resin to Remove Heavy Metal Ions from Aqueous Solution. Chemistry and Chemical Technology, 2022, 16, 203-211.	0.2	0
1368	Optimization of tin oxyhydroxide-decorated biochar for improved hexavalent chromium uptake from drinking water. Journal of Environmental Chemical Engineering, 2022, 10, 108051.	3.3	5
1369	Adsorptive removal of methylene blue dye by extracted banana stem fibers. Materials Today: Proceedings, 2022, 68, 728-733.	0.9	6
1370	Recent progress in nanomaterial-functionalized membranes for removal of pollutants. IScience, 2022, 25, 104616.	1.9	19
1371	Bacterial biofilm mediated bioremediation of hexavalent chromium: A review. Biocatalysis and Agricultural Biotechnology, 2022, 43, 102397.	1.5	10
1372	Sand/polyethyleneimine composite microparticles: Eco-friendly, high selective and efficient heavy metal ion catchers. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2022, 649, 129540.	2.3	5
1374	Municipal water treatment with special emphasis on biosorption and nanoparticles. , 2022, , 55-83.		0
1376	Environmental and Health Effects of Heavy Metals and Their Treatment Methods. Emerging Contaminants and Associated Treatment Technologies, 2022, , 143-175.	0.4	1
1377	Optimization of the Activation Step in the Synthesis of an Efficient Mesoporous Carbon as Cobalt Adsorbent. SSRN Electronic Journal, 0, , .	0.4	0
1378	Mesoporous-rich calcium and potassium-activated carbons prepared from degreased spent coffee grounds for efficient removal of MnO_4^{2-} in aqueous media. RSC Advances, 2022, 12, 19417-19423.	1.7	3
1379	Microbial chromium removal as sustainable water treatment strategy. , 2022, , 419-444.		0
1380	Statistical Simulation, a Tool for the Process Optimization of Oily Wastewater by Crossflow Ultrafiltration. Membranes, 2022, 12, 676.	1.4	6
1381	Numerical Analysis of a Full-Scale Thermophilic Biological System and Investigation of Nitrate and Ammonia Fates. Applied Sciences (Switzerland), 2022, 12, 6952.	1.3	4
1382	Polystyrene-templated hollow mesoporous magnetite as a bifunctional adsorbent for the removal of rhodamine B via simultaneous adsorption and degradation. Journal of Environmental Chemical Engineering, 2022, 10, 108194.	3.3	2
1383	Highly efficient removal of cadmium (II) ions using cellulose-based monolith with a hierarchically porous structure fabricated through phase separation method. Journal of Water Process Engineering, 2022, 48, 102901.	2.6	4
1384	Removal of Toxic Metal Ions from Aqueous Solutions in Integrated Clay Adsorption and Electroflotation. Adsorption Science and Technology, 2022, 2022, .	1.5	4
1385	Glass Waste / Activated Carbon Composite Prepared by Chemical Activation for Suitable Use in Wastewater Treatment from Heavy Metals. Journal of Solid Waste Technology and Management, 2021, 47, 768-779.	0.2	0

#	ARTICLE	IF	CITATIONS
1386	Utilization of bentonite as a low-cost adsorbent for removal of $^{95}\text{Zr(IV)}$, $^{181}\text{Hf(IV)}$ and $^{95}\text{Nb(V)}$ radionuclides from aqueous solutions. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2022, 331, 3935-3948.	0.7	3
1387	A critical review of state-of-the-art technologies for electroplating wastewater treatment. <i>International Journal of Environmental Analytical Chemistry</i> , 0, , 1-34.	1.8	13
1388	Water Purification from Heavy Metals Due to Electric Field Ion Drift. <i>Water (Switzerland)</i> , 2022, 14, 2372.	1.2	3
1389	Efficient Solar-Powered Interfacial Evaporation, Water Remediation, and Waste Conversion Based on a Tumbler-Inspired, All-Cellulose, and Monolithic Design. <i>Advanced Sustainable Systems</i> , 2022, 6, .	2.7	6
1390	Assessing Physicochemical Technologies for Removing Hexavalent Chromium from Contaminated Waters—an Overview and Future Research Directions. <i>Water, Air, and Soil Pollution</i> , 2022, 233, .	1.1	4
1392	Synthesis and adsorption performance of three-dimensional gels assembled by carbon nanomaterials for heavy metal removal from water: A review. <i>Science of the Total Environment</i> , 2022, 852, 158201.	3.9	26
1393	Biosorption of heavy metals from aqueous solutions using activated sludge, <i>Aeromasss hydrophyla</i> , and <i>Branhamella spp</i> based on modeling with GEOCHEM. <i>Environmental Research</i> , 2022, 214, 114070.	3.7	27
1394	Comprehensive evaluation of cobalt incorporated cryptomelane-type manganese oxide molecular sieve as an efficient adsorbent for enhanced removal of europium from wastewater systems. <i>Environmental Research</i> , 2022, 214, 113965.	3.7	3
1395	Surface/Lattice Oxygen Synergism of Durable CuO Catalysts for Tandem Dehydrogenation-Oxidation of Glycerol to Carboxylic Acids in Oxygen-Free Medium. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 12279-12296.	3.2	1
1396	Lignocellulosic-Based Materials from Bean and Pistachio Pod Wastes for Dye-Contaminated Water Treatment: Optimization and Modeling of Indigo Carmine Sorption. <i>Polymers</i> , 2022, 14, 3776.	2.0	11
1397	Thiourea crosslinked-amino modified graphene nanoflakes as an effective adsorbent to confine Cr(VI) via multiple combination mechanisms. <i>Journal of Cleaner Production</i> , 2022, 374, 134030.	4.6	5
1398	An overview about the extraction of heavy metals and other critical pollutants from contaminated water via hydrophobic deep eutectic solvents. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 108574.	3.3	22
1399	Identifying global status and research hotspots of heavy metal remediation: A phase upgrade study. <i>Journal of Environmental Management</i> , 2022, 324, 116265.	3.8	4
1400	Potential use of ultrafiltration (UF) membrane for remediation of metal contaminants. , 2023, , 341-364.		2
1401	Cation- π interaction in Mg(OH)_2 @GO-coated activated carbon fiber cloth for rapid removal and recovery of divalent metal cations by flow-through adsorption. <i>Resources, Conservation and Recycling</i> , 2023, 188, 106648.	5.3	2
1402	Novel synthesis of ultrafiltration membranes by crosslinking metal (II)-Alginate hydrogels with hexamethylene 1,6 -Diisocyanate in inert solvent: Application for remediation of wastewater by removal of toxic pollutants. <i>Chemical Engineering Journal</i> , 2023, 452, 139093.	6.6	0
1403	Functionalized magnetic iron oxide-based composites as adsorbents for the removal of heavy metals from wastewater. , 2022, , 401-424.		0
1404	Water Cleaning Adsorptive Membranes for Efficient Removal of Heavy Metals and Metalloids. <i>Water (Switzerland)</i> , 2022, 14, 2718.	1.2	8

#	ARTICLE	IF	CITATIONS
1405	A Reverse Osmosis Process to Recover and Recycle Trivalent Chromium from Electroplating Wastewater. <i>Membranes</i> , 2022, 12, 853.	1.4	6
1406	Possibilities of remediation of neutral mine drainage - Removal and recovery of potentially hazardous elements. <i>Soil and Water Research</i> , 2022, 17, 251-267.	0.7	0
1407	Intensification of a continuous adsorption system by applying an external magnetic field for the removal of heavy metals in the ionic state. <i>Chemical Engineering and Processing: Process Intensification</i> , 2022, 181, 109140.	1.8	1
1408	Overview assessment of risk evaluation and treatment technologies for heavy metal pollution of water and soil. <i>Journal of Cleaner Production</i> , 2022, 379, 134043.	4.6	84
1409	Peanut Shell-Derived Biochar as a Low-Cost Adsorbent to Extract Cadmium, Chromium, Lead, Copper, and Zinc (Heavy Metals) from Wastewater: Circular Economy Approach. <i>Circular Economy and Sustainability</i> , 2023, 3, 1045-1064.	3.3	3
1410	Selective and Chemical-Free Removal of Toxic Heavy Metal Cations from Water Using Shock Ion Extraction. <i>Environmental Science & Technology</i> , 2022, 56, 14091-14098.	4.6	13
1411	Plant biomass as potential economic commodities for agricultural purposes. <i>Frontiers in Chemistry</i> , 2022, 10, .	1.8	1
1412	Membrane electrolysis for recovering Sb and Bi from elution solutions of ion-exchange resins used in copper electrorefining: A cyclic voltammetric study. <i>Journal of Electroanalytical Chemistry</i> , 2022, 924, 116867.	1.9	2
1413	Hybrid Technique for Removal of Arsenic from Drinking Water. <i>Chemical Engineering and Technology</i> , 2023, 46, 242-255.	0.9	3
1414	Comparison of Treatment Efficiency and Energy Consumption of Batch and Continuous Electrocoagulation in Urban Wastewater. <i>Clean - Soil, Air, Water</i> , 2022, 10, 2200032.	0.7	0
1415	U(VI) removal from diluted aqueous systems by sorption-flotation. <i>Scientific Reports</i> , 2022, 12, .	1.6	5
1416	Treatment of Industrial Wastewater in a Floating Treatment Wetland: A Case Study of Sialkot Tannery. <i>Sustainability</i> , 2022, 14, 12854.	1.6	6
1417	Application for Ecological Restoration of Contaminated Soil: Phytoremediation. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 13124.	1.2	10
1418	Purification performance of modified polyacrylonitrile fiber-activated carbon fiber filter for heavy metal ions. <i>Environmental Science and Pollution Research</i> , 2023, 30, 23372-23385.	2.7	3
1419	Simultaneous removal of organic micropollutants and inorganic heavy metals by nano-calcium peroxide induced Fenton-like treatment. <i>Separation and Purification Technology</i> , 2023, 305, 122474.	3.9	6
1420	Flow and Transport Analysis and Suggested Optimal CAB Design Charts under Varying Hydraulic Conditions. <i>Journal of Hazardous, Toxic, and Radioactive Waste</i> , 2023, 27, .	1.2	0
1421	High-efficiency removal of organic pollutants by visible-light-driven tubular heterogeneous micromotors through a photocatalytic Fenton process. <i>Journal of Colloid and Interface Science</i> , 2023, 630, 121-133.	5.0	8
1422	Highly effective removal of Hg(II) solution using corn bract@MoS ₂ as a new biomass adsorbent. <i>RSC Advances</i> , 2022, 12, 31792-31800.	1.7	3

#	ARTICLE	IF	CITATIONS
1423	Electrodeionization: Principle, techniques and factors influencing its performance. Environmental Research, 2023, 216, 114756.	3.7	6
1424	Potential application of spent mushroom compost (SMC) biochar as low-cost filtration media in heavy metal removal from abandoned mining water: a review. International Journal of Environmental Science and Technology, 0, , .	1.8	0
1425	Effect of sulfide and hydroxide on the removal of heavy metal ions from hydrometallurgical zinc effluent. International Journal of Environmental Analytical Chemistry, 0, , 1-15.	1.8	2
1426	Cadmium sources, toxicity, resistance and removal by microorganisms-A potential strategy for cadmium eradication. Journal of Saudi Chemical Society, 2022, 26, 101569.	2.4	18
1427	Layered Double Hydroxide“Bismuth Molybdate Hybrids toward Water Remediation via Selective Adsorption of Anionic Species. ACS Applied Materials & Interfaces, 0, , .	4.0	4
1428	Synthesis of Nanosilica for the Removal of Multicomponent Cd ²⁺ and Cu ²⁺ from Synthetic Water: An Experimental and Theoretical Study. Molecules, 2022, 27, 7536.	1.7	2
1429	Waterborne phenolic, triazine-based porous polymer particles for the removal of toxic metal ions. Jcis Open, 2022, 8, 100066.	1.5	2
1430	Magnetically derived fabrication of aligned porous poly(sulfonated polystyrene-co.-chitosan) monolith as a high efficient adsorbent for metal ions separation. Journal of Cleaner Production, 2022, 380, 135170.	4.6	2
1431	Phytoremediation of industrial effluents assisted by plant growth promoting bacteria. Environmental Science and Pollution Research, 2023, 30, 5296-5311.	2.7	5
1432	Adsorption of sulfur into an alkynyl-based covalent organic framework for mercury removal. RSC Advances, 2022, 12, 35445-35451.	1.7	3
1433	Metals removal by membrane filtration. , 2023, , 331-351.		2
1434	Advances in groundwater pollution by heavy metal. AIP Conference Proceedings, 2022, , .	0.3	3
1435	Removal of Heavy Metals from Aqueous Solutions with the Use of Lignins and Biomass. Fibres and Textiles in Eastern Europe, 2022, 30, 99-111.	0.2	1
1436	Polymer Membranes as Innovative Means of Quality Restoring for Wastewater Bearing Heavy Metals. Membranes, 2022, 12, 1179.	1.4	7
1437	A Micro-CT Approach for 3D In-Situ Visualizing the Cu (II) Adsorption in Corn Cob Biochar. Water, Air, and Soil Pollution, 2023, 234, .	1.1	1
1438	Sugarcane Bagasse and Corn Stalk Biomass as a Potential Sorbent for the Removal of Pb(II) and Cd(II) from Aqueous Solutions. Trends in Sciences, 2022, 20, 6221.	0.2	5
1439	Extraction of methylene blue from aqueous solution by pickering emulsion liquid membrane using cellulose as eco-friendly emulsifier: optimization and modeling studies. Water Science and Technology, 2023, 87, 174-192.	1.2	1
1440	Synthesis, characterization and adsorptive performance of CuMgAl-layered double hydroxides/montmorillonite nanocomposite for the removal of Zn(II) ions. Environmental Nanotechnology, Monitoring and Management, 2023, 19, 100771.	1.7	1

#	ARTICLE	IF	CITATIONS
1441	Removal of Zinc from Concentrated Galvanic Wastewater by Sodium Trithiocarbonate: Process Optimization and Toxicity Assessment. <i>Molecules</i> , 2023, 28, 546.	1.7	2
1442	Adsorption technique for the removal of heavy metals from wastewater using low-cost natural adsorbent. <i>IOP Conference Series: Earth and Environmental Science</i> , 2023, 1129, 012012.	0.2	5
1443	Sustainable Recovery of Cobalt from Aqueous Solutions Using an Optimized Mesoporous Carbon. <i>Journal of Sustainable Metallurgy</i> , 2023, 9, 266-279.	1.1	4
1444	From liquid waste to mineral fertilizer: Recovery, recycle and reuse of high-value macro-nutrients from landfill leachate to contribute to circular economy, food security, and carbon neutrality. <i>Chemical Engineering Research and Design</i> , 2023, 170, 791-807.	2.7	21
1445	Electrochemical Biorefinery Towards Chemicals Synthesis and Bio-Oil Upgrading from Lignin. <i>Engineering</i> , 2022, , .	3.2	1
1446	Characterization of Cu ²⁺ adsorption for eco-hydroxyapatite derived from limestone sludge via hydrothermal synthesis. <i>Journal of Material Cycles and Waste Management</i> , 2023, 25, 1069-1081.	1.6	4
1447	Mechanisms of the removal of the metal ions, dyes, and drugs from wastewaters by the electrospun nanofiber membranes. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2023, 143, 104625.	2.7	12
1448	ANN-Based Modeling of Combined O ₃ /H ₂ O ₂ Oxidation, and Activated Carbon Adsorption Treatment System: Forest Polluting Site Leachate. <i>Water, Air, and Soil Pollution</i> , 2023, 234, .	1.1	6
1449	Molecular Dynamics Simulations of High-Performance, Dissipationless Desalination across Self-Assembled Amyloid Beta Nanotubes. <i>Small</i> , 0, , 2205420.	5.2	0
1450	Chromite ore beneficiation: prospects and challenges. , 2023, , 79-116.		1
1451	Flexible ceramics for environmental remediation. , 2023, , 411-424.		0
1453	In Situ Synthesis of Bimetallic Cu/Al for Removal of Cr(VI) from Synthetic Aqueous Solution. <i>Chemistry Africa</i> , 0, , .	1.2	0
1454	Urban mining from biomass, brine, sewage sludge, phosphogypsum and e-waste for reducing the environmental pollution: Current status of availability, potential, and technologies with a focus on LCA and TEA. <i>Environmental Research</i> , 2023, 224, 115523.	3.7	13
1455	Application of microwave hydrothermal synthesis for the solidification of copper: Effect of heavy metal content and microwave time. <i>Chemical Engineering Research and Design</i> , 2023, 173, 765-774.	2.7	0
1456	Role of metal-organic framework composites in removal of inorganic toxic contaminants. <i>Journal of Cleaner Production</i> , 2023, 404, 136709.	4.6	10
1457	Remediation technologies for contaminated groundwater due to arsenic (As), mercury (Hg), and/or fluoride (F): A critical review and way forward to contribute to carbon neutrality. <i>Separation and Purification Technology</i> , 2023, 314, 123474.	3.9	31
1458	Magnetic chitosan/calcium alginate double-network hydrogel beads: Preparation, adsorption of anionic and cationic surfactants, and reuse in the removal of methylene blue. <i>International Journal of Biological Macromolecules</i> , 2023, 239, 124311.	3.6	14
1459	Process parameters and biological mechanism of efficient removal of Cd(II) ion from wastewater by a novel <i>Bacillus subtilis</i> TR1. <i>Chemosphere</i> , 2023, 318, 137958.	4.2	6

#	ARTICLE	IF	CITATIONS
1460	Sorption of Salts of Various Metals by Polyelectrolyte Microcapsules. <i>International Journal of Molecular Sciences</i> , 2023, 24, 2834.	1.8	1
1461	Heavy Metal Contamination in the Aquatic Ecosystem: Toxicity and Its Remediation Using Eco-Friendly Approaches. <i>Toxics</i> , 2023, 11, 147.	1.6	36
1462	On validity, physical meaning, mechanism insights and regression of adsorption kinetic models. <i>Journal of Molecular Liquids</i> , 2023, 376, 121416.	2.3	43
1463	Heavy Metal Removal from Aqueous Solutions Using Biomaterials and/or Functional Composites: Recent Advances and the Way Forward in Wastewater Treatment Using Digitalization. <i>Journal of Composites Science</i> , 2023, 7, 84.	1.4	26
1464	Study on Flocculation Behavior of Cr(VI) Using a Novel Chitosan Functionalized with Thiol Groups. <i>Polymers</i> , 2023, 15, 1117.	2.0	1
1465	Advances in surface modification and functionalization for tailoring the characteristics of thin films and membranes via chemical vapor deposition techniques. <i>Journal of Applied Polymer Science</i> , 2023, 140, .	1.3	7
1466	The recent progress of ion exchange for the separation of rare earths from secondary resources – A review. <i>Hydrometallurgy</i> , 2023, 218, 106047.	1.8	30
1467	Production and characterization of a bioflocculant produced by <i>Proteus mirabilis</i> AB 932526.1 and its application in wastewater treatment and dye removal. <i>Pure and Applied Chemistry</i> , 2023, 95, 169-180.	0.9	2
1468	A review on microbial fuel cell and green energy. <i>Ionics</i> , 2023, 29, 1667-1697.	1.2	1
1469	State of the Art in Anaerobic Treatment of Landfill Leachate: A Review on Integrated System, Additive Substances, and Machine Learning Application. <i>Water (Switzerland)</i> , 2023, 15, 1303.	1.2	7
1470	A review on the industrial wastewater with the efficient treatment techniques. <i>Chemical Papers</i> , 2023, 77, 4131-4163.	1.0	10
1471	Chitosan-based nano-sorbents: synthesis, surface modification, characterisation and application in Cd (II), Co (II), Cu (II) and Pb (II) ions removal from wastewater. <i>Scientific Reports</i> , 2023, 13, .	1.6	12
1472	Synthesis of novel fluorescent sensor based on a modified amino Al-MOF for rapid, sensitive, and selective detection of arsenic in aqueous solution. <i>Applied Organometallic Chemistry</i> , 2023, 37, .	1.7	8
1473	Green and simple approach for flotation, preconcentration and enhanced spectrophotometric assessment of Ni(II) in aqueous solution by complexation with 1-(3,5-dihydroxybenzylidene)thiosemicarbazone. <i>Arabian Journal of Chemistry</i> , 2023, 16, 104902.	2.3	1
1474	Bio-fabricated bismuth-based materials for removal of emerging environmental contaminants from wastewater. <i>Environmental Research</i> , 2023, 229, 115861.	3.7	4
1475	Cyanidiales-Based Bioremediation of Heavy Metals. <i>BioTech</i> , 2023, 12, 29.	1.3	3
1476	Effective purification of high concentration chromium-containing wastewater and preparation of chromium ferrite. <i>Environmental Engineering Research</i> , 0, , .	1.5	0
1483	Role of nanoparticles in the treatment of industrial wastewater. , 2023, , 305-334.		0

#	ARTICLE	IF	CITATIONS
1495	Heavy Metal Pollution in Water from Anthropogenic and Natural Activities and the Remediation Strategies. , 2023, , 27-53.		0
1497	Recovery of copper and silver from industrial e-waste leached solutions using sustainable liquid membrane technology: a review. Environmental Science and Pollution Research, 2023, 30, 66445-66472.	2.7	4
1504	Advanced Approach of MXene-Based Materials in Removal of Radionuclides. , 2023, , 249-266.		0
1508	Recovery of valuable metals from electroplating effluent. , 2023, , 273-294.		0
1509	Insight into the techniques used for the removal and recovery of nickel from industrial wastewaters. , 2023, , 91-113.		0
1510	Overview of techniques used for removal and recovery of Cr(VI) from industrial wastewaters. , 2023, , 67-90.		0
1521	Pollutants in aquatic system: a frontier perspective of emerging threat and strategies to solve the crisis for safe drinking water. Environmental Science and Pollution Research, 2023, 30, 113242-113279.	2.7	1
1529	Heavy Metal/Metalloid Contamination: Impact on Human Health and Mitigation Strategies. , 2023, , 49-74.		0
1540	Chemical, Physical and Biological Techniques for Recovery of Heavy Metals from Wastewater. Springer Water, 2023, , 51-86.	0.2	1
1541	Hydrologic fluxes of iron in groundwater ecosystems: Implications for global risks and challenges. , 2024, , 215-238.		0
1542	Physico-Chemical Pathways for Wastewater Effluents. Springer Water, 2023, , 173-192.	0.2	0
1543	Heavy Metal Removal and Recovery: Sustainable and Efficient Approaches. Springer Water, 2023, , 87-124.	0.2	0
1546	An Innovative Photocatalyst Composite of TiO ₂ /Graphite to Degrade the Dye Wastewater. Environmental Science and Engineering, 2023, , 307-316.	0.1	0
1549	Emerging Frontiers of Microbes as Liquid Waste Recycler. , 2023, , 3-35.		0
1551	An Overview of Heavy Metal Pollution and Control. ACS Symposium Series, 0, , 3-24.	0.5	0
1556	Evaluation of Coagulation-Flocculation Treatment Technologies in Palm Oil Effluent Management. Handbook of Environmental Engineering, 2023, , 509-551.	0.2	0
1562	Occurrence, Behaviour and Transport of Heavy Metals from Industries in River Catchments. Handbook of Environmental Engineering, 2023, , 205-277.	0.2	1
1566	Membrane technologyâ€™ a promising approach for metal ion extraction. , 2024, , 425-444.		0

#	ARTICLE	IF	CITATIONS
1577	Heavy Metal Pollution and Biosorption. Advances in Environmental Engineering and Green Technologies Book Series, 2024, , 1-38.	0.3	0