

Amit Bhatnagar

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231
papers

16,639
citations

65
h-index

124
g-index

239
ext. papers

19,776
ext. citations

8.3
avg, IF

7.48
L-index

#	Paper	IF	Citations
231	Utilization of agro-industrial and municipal waste materials as potential adsorbents for water treatment—a review. <i>Chemical Engineering Journal</i> , 2010 , 157, 277-296	14.7	779
230	Role of nanomaterials in water treatment applications: A review. <i>Chemical Engineering Journal</i> , 2016 , 306, 1116-1137	14.7	762
229	Fluoride removal from water by adsorption—a review. <i>Chemical Engineering Journal</i> , 2011 , 171, 811-840	14.7	735
228	An overview of the modification methods of activated carbon for its water treatment applications. <i>Chemical Engineering Journal</i> , 2013 , 219, 499-511	14.7	614
227	A review on modification methods to cellulose-based adsorbents to improve adsorption capacity. <i>Water Research</i> , 2016 , 91, 156-73	12.5	582
226	Applications of chitin- and chitosan-derivatives for the detoxification of water and wastewater—a short review. <i>Advances in Colloid and Interface Science</i> , 2009 , 152, 26-38	14.3	503
225	A review of emerging adsorbents for nitrate removal from water. <i>Chemical Engineering Journal</i> , 2011 , 168, 493-504	14.7	493
224	An overview of the methods used in the characterisation of natural organic matter (NOM) in relation to drinking water treatment. <i>Chemosphere</i> , 2011 , 83, 1431-42	8.4	445
223	Agricultural waste peels as versatile biomass for water purification [A review]. <i>Chemical Engineering Journal</i> , 2015 , 270, 244-271	14.7	426
222	Utilization of industrial waste products as adsorbents for the removal of dyes. <i>Journal of Hazardous Materials</i> , 2003 , 101, 31-42	12.8	362
221	A Comparative Study of Adsorbents Prepared from Industrial Wastes for Removal of Dyes. <i>Separation Science and Technology</i> , 2003 , 38, 463-481	2.5	350
220	A comparative adsorption study with different industrial wastes as adsorbents for the removal of cationic dyes from water. <i>Journal of Colloid and Interface Science</i> , 2005 , 281, 49-55	9.3	348
219	Removal of chromium(VI) from aqueous solution using treated waste newspaper as a low-cost adsorbent: Kinetic modeling and isotherm studies. <i>Journal of Molecular Liquids</i> , 2016 , 215, 671-679	6	323
218	Adsorptive removal of cobalt from aqueous solution by utilizing lemon peel as biosorbent. <i>Biochemical Engineering Journal</i> , 2010 , 48, 181-186	4.2	253
217	Adsorptive removal of bisphenol A (BPA) from aqueous solution: A review. <i>Chemosphere</i> , 2017 , 168, 885-902	9.2	249
216	Recent developments of electro-oxidation in water treatment [A review]. <i>Journal of Electroanalytical Chemistry</i> , 2015 , 754, 46-56	4.1	243
215	Defluoridation from aqueous solutions by granular ferric hydroxide (GFH). <i>Water Research</i> , 2009 , 43, 490-8	12.5	233

214	Heavy metals adsorption by novel EDTA-modified chitosan-silica hybrid materials. <i>Journal of Colloid and Interface Science</i> , 2011 , 358, 261-7	9.3	221
213	Desorption of Methylene blue dye from brown macroalga: Effects of operating parameters, isotherm study and kinetic modeling. <i>Journal of Cleaner Production</i> , 2017 , 152, 443-453	10.3	220
212	Adsorption of rare earth metals: A review of recent literature. <i>Journal of Molecular Liquids</i> , 2016 , 221, 954-962	6	213
211	Nitrate removal from water by nano-alumina: Characterization and sorption studies. <i>Chemical Engineering Journal</i> , 2010 , 163, 317-323	14.7	195
210	Removal of natural organic matter (NOM) and its constituents from water by adsorption - A review. <i>Chemosphere</i> , 2017 , 166, 497-510	8.4	181
209	Defluoridation from aqueous solutions by nano-alumina: characterization and sorption studies. <i>Journal of Hazardous Materials</i> , 2011 , 186, 1042-9	12.8	179
208	A review of the use of red mud as adsorbent for the removal of toxic pollutants from water and wastewater. <i>Environmental Technology (United Kingdom)</i> , 2011 , 32, 231-49	2.6	176
207	Calcium hydroxyapatite microfibrillated cellulose composite as a potential adsorbent for the removal of Cr(VI) from aqueous solution. <i>Chemical Engineering Journal</i> , 2016 , 283, 445-452	14.7	172
206	Aminopolycarboxylic acid functionalized adsorbents for heavy metals removal from water. <i>Water Research</i> , 2013 , 47, 4812-32	12.5	162
205	Biochar-based engineered composites for sorptive decontamination of water: A review. <i>Chemical Engineering Journal</i> , 2019 , 372, 536-550	14.7	157
204	Adsorption of acid orange II dye by raw and chemically modified brown macroalga <i>Stoechospermum marginatum</i> . <i>Chemical Engineering Journal</i> , 2012 , 192, 67-76	14.7	156
203	Efficient removal of coomassie brilliant blue R-250 dye using starch/poly(alginic acid-cl-acrylamide) nanohydrogel. <i>Chemical Engineering Research and Design</i> , 2017 , 109, 301-310	5.5	152
202	Photocatalytic degradation of gemifloxacin antibiotic using Zn-Co-LDH@biochar nanocomposite. <i>Journal of Hazardous Materials</i> , 2020 , 382, 121070	12.8	148
201	Removal of nitrate from aqueous solution by modified sugarcane bagasse biochar. <i>Ecological Engineering</i> , 2016 , 95, 101-111	3.9	129
200	Coconut-based biosorbents for water treatment--a review of the recent literature. <i>Advances in Colloid and Interface Science</i> , 2010 , 160, 1-15	14.3	123
199	Biosorption optimization of nickel removal from water using <i>Punica granatum</i> peel waste. <i>Colloids and Surfaces B: Biointerfaces</i> , 2010 , 76, 544-8	6	118
198	Electrochemical methods for the removal of anionic contaminants from water [A review]. <i>Separation and Purification Technology</i> , 2014 , 132, 252-271	8.3	115
197	Facile hydrothermal synthesis of novel Fe-Cu layered double hydroxide/biochar nanocomposite with enhanced sonocatalytic activity for degradation of cefazolin sodium. <i>Journal of Hazardous Materials</i> , 2020 , 381, 120742	12.8	114

196	BoxBehnken design optimization of Acid Black 1 dye biosorption by different brown macroalgae. <i>Chemical Engineering Journal</i> , 2012 , 179, 158-168	14.7	109
195	Bromate removal from water by granular ferric hydroxide (GFH). <i>Journal of Hazardous Materials</i> , 2009 , 170, 134-40	12.8	102
194	Optimization of coagulation-flocculation and flotation parameters for the treatment of a petroleum refinery effluent from a Portuguese plant. <i>Chemical Engineering Journal</i> , 2012 , 183, 117-123	14.7	101
193	Removal of Nitrate from Water by Adsorption onto Zinc Chloride Treated Activated Carbon. <i>Separation Science and Technology</i> , 2008 , 43, 886-907	2.5	98
192	Efficient removal of toxic phosphate anions from aqueous environment using pectin based quaternary amino anion exchanger. <i>International Journal of Biological Macromolecules</i> , 2018 , 106, 1-10	7.9	95
191	Chitin Adsorbents for Toxic Metals: A Review. <i>International Journal of Molecular Sciences</i> , 2017 , 18,	6.3	90
190	Biomass-derived Carbon Quantum Dots for Visible-Light-Induced Photocatalysis and Label-Free Detection of Fe(III) and Ascorbic acid. <i>Scientific Reports</i> , 2019 , 9, 15084	4.9	88
189	Adsorptive removal of arsenic(V) from aqueous phase by feldspars: Kinetics, mechanism, and thermodynamic aspects of adsorption. <i>Journal of Molecular Liquids</i> , 2016 , 214, 149-156	6	87
188	Adsorptive removal of endocrine disrupting bisphenol A from aqueous solution using chitosan. <i>Journal of Environmental Chemical Engineering</i> , 2016 , 4, 2647-2655	6.8	87
187	Sequential cultivation of microalgae in raw and recycled dairy wastewater: Microalgal growth, wastewater treatment and biochemical composition. <i>Bioresource Technology</i> , 2019 , 273, 556-564	11	86
186	Biosorption of copper(II) ions by flax meal: Empirical modeling and process optimization by response surface methodology (RSM) and artificial neural network (ANN) simulation. <i>Ecological Engineering</i> , 2015 , 83, 364-379	3.9	85
185	Versatile applications of freshwater and marine water microalgae in dairy wastewater treatment, lipid extraction and tetracycline biosorption. <i>Bioresource Technology</i> , 2018 , 268, 523-530	11	84
184	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	6	83
183	Biochar-based adsorbents for carbon dioxide capture: A critical review. <i>Renewable and Sustainable Energy Reviews</i> , 2020 , 119, 109582	16.2	81
182	A review on waste-derived adsorbents from sugar industry for pollutant removal in water and wastewater. <i>Journal of Molecular Liquids</i> , 2017 , 240, 179-188	6	80
181	Removal of bromophenols from water using industrial wastes as low cost adsorbents. <i>Journal of Hazardous Materials</i> , 2007 , 139, 93-102	12.8	80
180	Clay-polymer nanocomposites: Progress and challenges for use in sustainable water treatment. <i>Journal of Hazardous Materials</i> , 2020 , 383, 121125	12.8	77
179	Interaction of anionic pollutants with Al-based adsorbents in aqueous media A review. <i>Chemical Engineering Journal</i> , 2014 , 241, 443-456	14.7	76

178	Natural Organic Matter Removal from Drinking Water by Membrane Technology. <i>Separation and Purification Reviews</i> , 2014 , 43, 1-61	7.3	76
177	Synergistic effects of activated carbon and nano-zerovalent copper on the performance of hydroxyapatite-alginate beads for the removal of As ³⁺ from aqueous solution. <i>Journal of Cleaner Production</i> , 2019 , 235, 875-886	10.3	74
176	Overview of technologies for removal of methyl tert-butyl ether (MTBE) from water. <i>Science of the Total Environment</i> , 2014 , 476-477, 415-33	10.2	74
175	A comparative study of magnetic chitosan (Chi@FeO) and graphene oxide modified magnetic chitosan (Chi@FeOGO) nanocomposites for efficient removal of Cr(VI) from water. <i>International Journal of Biological Macromolecules</i> , 2019 , 137, 948-959	7.9	73
174	Magnetic SiO ₂ @CoFe ₂ O ₄ nanoparticles decorated on graphene oxide as efficient adsorbents for the removal of anionic pollutants from water. <i>Chemical Engineering Journal</i> , 2017 , 322, 472-487	14.7	71
173	SARS-CoV-2 coronavirus in water and wastewater: A critical review about presence and concern. <i>Environmental Research</i> , 2021 , 193, 110265	7.9	69
172	A comparative study of methylene blue biosorption using different modified brown, red and green macroalgae Effect of pretreatment. <i>Chemical Engineering Journal</i> , 2017 , 307, 435-446	14.7	68
171	Photocatalytic degradation of toxic aquatic pollutants by novel magnetic 3D-TiO ₂ @HPGA nanocomposite. <i>Scientific Reports</i> , 2018 , 8, 15531	4.9	67
170	Removal of nitrate from aqueous solution using modified granular activated carbon. <i>Journal of Molecular Liquids</i> , 2017 , 233, 139-148	6	66
169	A review of recent advancements in utilization of biomass and industrial wastes into engineered biochar. <i>Journal of Hazardous Materials</i> , 2020 , 400, 123242	12.8	66
168	Interaction of inorganic anions with iron-mineral adsorbents in aqueous media--a review. <i>Advances in Colloid and Interface Science</i> , 2014 , 203, 11-21	14.3	66
167	Vanadium removal from water by waste metal sludge and cement immobilization. <i>Chemical Engineering Journal</i> , 2008 , 144, 197-204	14.7	65
166	Tuning tetracycline removal from aqueous solution onto activated 2:1 layered clay mineral: Characterization, sorption and mechanistic studies. <i>Journal of Hazardous Materials</i> , 2020 , 384, 121320	12.8	65
165	Chitosan/Ag-hydroxyapatite nanocomposite beads as a potential adsorbent for the efficient removal of toxic aquatic pollutants. <i>International Journal of Biological Macromolecules</i> , 2018 , 120, 1752-1759	7.9	63
164	Valorization of solid waste products from olive oil industry as potential adsorbents for water pollution control--a review. <i>Environmental Science and Pollution Research</i> , 2014 , 21, 268-98	5.1	62
163	Central composite design optimization of Acid Blue 25 dye biosorption using shrimp shell biomass. <i>Journal of Molecular Liquids</i> , 2015 , 207, 266-273	6	61
162	Perchlorate removal from aqueous solutions by granular ferric hydroxide (GFH). <i>Chemical Engineering Journal</i> , 2010 , 159, 84-90	14.7	60
161	Wheat straw extracted lignin in silver nanoparticles synthesis: Expanding its prophecy towards antineoplastic potency and hydrogen peroxide sensing ability. <i>International Journal of Biological Macromolecules</i> , 2019 , 128, 391-400	7.9	58

160	Effect of pH and sulfate concentration on hydrogen production using anaerobic mixed microflora. <i>International Journal of Hydrogen Energy</i> , 2009 , 34, 9702-9710	6.7	58
159	Water defluoridation using Al ₂ O ₃ nanoparticles synthesized by flame spray pyrolysis (FSP) method. <i>Chemical Engineering Journal</i> , 2016 , 288, 198-206	14.7	56
158	Investigation on the feasibility of <i>Chlorella vulgaris</i> cultivation in a mixture of pulp and aquaculture effluents: Treatment of wastewater and lipid extraction. <i>Bioresource Technology</i> , 2018 , 255, 104-110	11	55
157	Hexavalent chromium removal from water by microalgal-based materials: Adsorption, desorption and recovery studies. <i>Bioresource Technology</i> , 2019 , 293, 122064	11	53
156	Paradigms on landfill mining: From dump site scavenging to ecosystem services revitalization. <i>Resources, Conservation and Recycling</i> , 2017 , 123, 73-84	11.9	52
155	Endosulfan removal through bioremediation, photocatalytic degradation, adsorption and membrane separation processes: A review. <i>Chemical Engineering Journal</i> , 2019 , 360, 912-928	14.7	52
154	A review on carbon-based materials for heterogeneous sonocatalysis: Fundamentals, properties and applications. <i>Ultrasonics Sonochemistry</i> , 2019 , 58, 104681	8.9	51
153	Methylphenols removal from water by low-cost adsorbents. <i>Journal of Colloid and Interface Science</i> , 2002 , 251, 39-45	9.3	51
152	Mechanistic insight into efficient removal of tetracycline from water by Fe/graphene. <i>Chemical Engineering Journal</i> , 2019 , 373, 821-830	14.7	49
151	Biochar as an Eco-Friendly and Economical Adsorbent for the Removal of Colorants (Dyes) from Aqueous Environment: A Review. <i>Water (Switzerland)</i> , 2020 , 12, 3561	3	49
150	Adsorptive removal of 2,4-dichlorophenol from water utilizing <i>Punica granatum</i> peel waste and stabilization with cement. <i>Journal of Hazardous Materials</i> , 2009 , 168, 1111-7	12.8	48
149	Waste-derived compost and biochar amendments for stormwater treatment in bioretention column: Co-transport of metals and colloids. <i>Journal of Hazardous Materials</i> , 2020 , 383, 121243	12.8	48
148	Optimization of nickel biosorption by chemically modified brown macroalgae (<i>Pelvetia canaliculata</i>). <i>Chemical Engineering Journal</i> , 2012 , 193-194, 256-266	14.7	46
147	Removal of Anionic Dyes from Water using <i>Citrus limonum</i> (Lemon) Peel: Equilibrium Studies and Kinetic Modeling. <i>Separation Science and Technology</i> , 2009 , 44, 316-334	2.5	46
146	Synthesis, characterization and exploitation of nano-TiO ₂ /feldspar-embedded chitosan beads towards UV-assisted adsorptive abatement of aqueous arsenic (As). <i>Chemical Engineering Journal</i> , 2017 , 316, 370-382	14.7	45
145	Shrimp shell as an efficient bioadsorbent for Acid Blue 25 dye removal from aqueous solution. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2014 , 45, 2926-2934	5.3	45
144	Synthesis and characterization of magnetic biochar adsorbents for the removal of Cr(VI) and Acid orange 7 dye from aqueous solution. <i>Environmental Science and Pollution Research</i> , 2020 , 27, 32874-32887	5.1	44
143	Green synthesis of nano-zero-valent iron from Nettle and Thyme leaf extracts and their application for the removal of cephalixin antibiotic from aqueous solutions. <i>Environmental Technology (United Kingdom)</i> , 2018 , 39, 1158-1172	2.6	43

142	Lepidocrocite and its heat-treated forms as effective arsenic adsorbents in aqueous medium. <i>Chemical Engineering Journal</i> , 2012 , 180, 159-169	14.7	43
141	Thermal regeneration process of bone char used in the fluoride removal from aqueous solution. <i>Journal of Cleaner Production</i> , 2017 , 142, 3558-3570	10.3	42
140	Removal of cationic and anionic heavy metals from water by 1D and 2D-carbon structures decorated with magnetic nanoparticles. <i>Scientific Reports</i> , 2017 , 7, 14107	4.9	41
139	Treatment of furazolidone contaminated water using banana pseudostem biochar engineered with facile synthesized magnetic nanocomposites. <i>Bioresource Technology</i> , 2020 , 297, 122472	11	41
138	Synthesis of clay-cellulose biocomposite for the removal of toxic metal ions from aqueous medium. <i>Journal of Hazardous Materials</i> , 2020 , 381, 120871	12.8	41
137	Adsorption studies of Dichloromethane on some commercially available GACs: Effect of kinetics, thermodynamics and competitive ions. <i>Journal of Hazardous Materials</i> , 2010 , 178, 963-72	12.8	40
136	Removal of Cd, Ni and PO from aqueous solution by hydroxyapatite-bentonite clay-nanocellulose composite. <i>International Journal of Biological Macromolecules</i> , 2018 , 118, 903-912	7.9	40
135	Removal of congo red dye from water using carbon slurry waste. <i>Environmental Chemistry Letters</i> , 2005 , 2, 199-202	13.3	39
134	A review for chromium removal by carbon nanotubes. <i>Chemistry and Ecology</i> , 2017 , 33, 572-588	2.3	38
133	Chitosan-Fe-Al-Mn metal oxyhydroxides composite as highly efficient fluoride scavenger for aqueous medium. <i>Carbohydrate Polymers</i> , 2019 , 216, 140-148	10.3	38
132	Synthesis of S-ligand tethered cellulose nanofibers for efficient removal of Pb(II) and Cd(II) ions from synthetic and industrial wastewater. <i>Environmental Pollution</i> , 2018 , 242, 1988-1997	9.3	37
131	Biosorption of hexavalent chromium from aqueous solution onto pomegranate seeds: kinetic modeling studies. <i>International Journal of Environmental Science and Technology</i> , 2017 , 14, 331-340	3.3	36
130	Engineered tea-waste biochar for the removal of caffeine, a model compound in pharmaceuticals and personal care products (PPCPs), from aqueous media. <i>Environmental Technology and Innovation</i> , 2020 , 19, 100847	7	36
129	Waste Moringa oleifera seed pods as green sorbent for efficient removal of toxic aquatic pollutants. <i>Journal of Environmental Management</i> , 2018 , 227, 95-106	7.9	36
128	Precipitation of dissolved sulphide in pulp and paper mill wastewater by electrocoagulation. <i>Environmental Technology (United Kingdom)</i> , 2011 , 32, 1393-400	2.6	35
127	Multifaceted applications of isolated microalgae Chlamydomonas sp. TRC-1 in wastewater remediation, lipid production and bioelectricity generation. <i>Bioresource Technology</i> , 2020 , 304, 122993	11	34
126	Speciation of metals in contaminated sediments from Oskarshamn Harbor, Oskarshamn, Sweden. <i>Environmental Science and Pollution Research</i> , 2014 , 21, 2455-64	5.1	34
125	Optimization of fluoride removal from aqueous solution by Al ₂ O ₃ nanoparticles. <i>Journal of Molecular Liquids</i> , 2017 , 238, 254-262	6	32

124	Pretreatment assisted synthesis and characterization of cellulose nanocrystals and cellulose nanofibers from absorbent cotton. <i>International Journal of Biological Macromolecules</i> , 2017 , 102, 248-257	7.9	32
123	Multidisciplinary Approaches to Handling Wastes in Sugar Industries. <i>Water, Air, and Soil Pollution</i> , 2016 , 227, 1	2.6	32
122	Assessment of the biosorption characteristics of lychee (<i>Litchi chinensis</i>) peel waste for the removal of Acid Blue 25 dye from water. <i>Environmental Technology (United Kingdom)</i> , 2010 , 31, 97-105	2.6	32
121	Biologically-mediated carbon capture and utilization by microalgae towards sustainable CO ₂ biofixation and biomass valorization [A review]. <i>Chemical Engineering Journal</i> , 2022 , 427, 130884	14.7	32
120	Significance of environmental dredging on metal mobility from contaminated sediments in the Oskarshamn Harbor, Sweden. <i>Chemosphere</i> , 2015 , 119, 445-451	8.4	31
119	Probabilistic risk assessment of exposure to fluoride in most consumed brands of tea in the Middle East. <i>Food and Chemical Toxicology</i> , 2018 , 115, 267-272	4.7	30
118	Insights into trivalent chromium biosorption onto protonated brown algae <i>Pelvetia canaliculata</i> : Distribution of chromium ionic species on the binding sites. <i>Chemical Engineering Journal</i> , 2012 , 200-202, 140-148	14.7	30
117	Utilization of industrial waste for cadmium removal from water and immobilization in cement. <i>Chemical Engineering Journal</i> , 2009 , 150, 145-151	14.7	30
116	Sustainable nitrogen-doped functionalized graphene nanosheets for visible-light-induced photocatalytic water splitting. <i>Chemical Communications</i> , 2020 , 56, 6953-6956	5.8	29
115	One-time cultivation of <i>Chlorella pyrenoidosa</i> in aqueous dye solution supplemented with biochar for microalgal growth, dye decolorization and lipid production. <i>Chemical Engineering Journal</i> , 2019 , 364, 552-561	14.7	28
114	Efficient removal of diclofenac and cephalexin from aqueous solution using <i>Anthriscus sylvestris</i> -derived activated biochar. <i>Science of the Total Environment</i> , 2020 , 745, 140789	10.2	28
113	Insights into upstream processing of microalgae: A review. <i>Bioresource Technology</i> , 2021 , 329, 124870	11	28
112	A non-enzymatic sensor for hydrogen peroxide based on the use of Fe ₂ O ₃ nanoparticles deposited on the surface of NiO nanosheets. <i>Mikrochimica Acta</i> , 2017 , 184, 3223-3229	5.8	27
111	Hunting for valuables from landfills and assessing their market opportunities A case study with Kudjape landfill in Estonia. <i>Waste Management and Research</i> , 2017 , 35, 627-635	4	27
110	Adsorption of As(V) and Ni(II) by Fe-Biochar composite fabricated by co-pyrolysis of orange peel and red mud. <i>Environmental Research</i> , 2020 , 188, 109809	7.9	27
109	Cobalt and nickel ferrites based graphene nanocomposites for electrochemical hydrogen evolution. <i>Journal of Magnetism and Magnetic Materials</i> , 2018 , 448, 165-171	2.8	27
108	Adsorptive Removal of Cobalt from Aqueous Solutions by Utilizing Industrial Waste and its Cement Fixation. <i>Separation Science and Technology</i> , 2007 , 42, 1255-1266	2.5	27
107	Modified biochar from Moringa seed powder for the removal of diclofenac from aqueous solution. <i>Environmental Science and Pollution Research</i> , 2020 , 27, 7318-7327	5.1	27

106	Emergent green technologies for cost-effective valorization of microalgal biomass to renewable fuel products under a biorefinery scheme. <i>Chemical Engineering Journal</i> , 2021 , 415, 128932	14.7	26
105	Implications of layered double hydroxides assembled biochar composite in adsorptive removal of contaminants: Current status and future perspectives. <i>Science of the Total Environment</i> , 2020 , 737, 139718	18.2	25
104	Carbon nano-onions from waste oil for application in energy storage devices. <i>New Journal of Chemistry</i> , 2020 , 44, 7369-7375	3.6	25
103	Mobility of Metals and Valorization of Sorted Fine Fraction of Waste After Landfill Excavation. <i>Waste and Biomass Valorization</i> , 2016 , 7, 593-602	3.2	25
102	Performance evaluation of isolated electrogenic microalga coupled with graphene oxide for decolorization of textile dye wastewater and subsequent lipid production. <i>Chemical Engineering Journal</i> , 2019 , 375, 121950	14.7	24
101	Characterization of activated bentonite clay mineral and the mechanisms underlying its sorption for ciprofloxacin from aqueous solution. <i>Environmental Science and Pollution Research</i> , 2020 , 27, 32980-32997	5.1	24
100	A multicomponent approach to using waste-derived biochar in biofiltration: A case study based on dissimilar types of waste. <i>International Biodeterioration and Biodegradation</i> , 2017 , 119, 565-576	4.8	24
99	Biosorption of hexavalent chromium from aqueous solution by six brown macroalgae. <i>Desalination and Water Treatment</i> , 2013 , 51, 6021-6030		24
98	FeOOH-modified clay sorbents for arsenic removal from aqueous solutions. <i>Environmental Technology and Innovation</i> , 2019 , 13, 364-372	7	24
97	A comparative study for the removal of aniline from aqueous solutions using modified bentonite and activated carbon. <i>Desalination and Water Treatment</i> , 2016 , 57, 24430-24443		23
96	Optimization of malachite green biosorption by green microalgae <i>Scenedesmus quadricauda</i> and <i>Chlorella vulgaris</i> : Application of response surface methodology. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2013 , 44, 291-294	5.3	23
95	Synthesis and characterization of Al ₂ O ₃ nanoparticles by flame spray pyrolysis (FSP) [Role of Fe ions in the precursor. <i>Powder Technology</i> , 2016 , 298, 42-49	5.2	23
94	Leaching characteristics of the fine fraction from an excavated landfill: physico-chemical characterization. <i>Journal of Material Cycles and Waste Management</i> , 2017 , 19, 294-304	3.4	21
93	Synthesis of zerovalent iron from water treatment residue as a conjugate with kaolin and its application for vanadium removal. <i>Journal of Hazardous Materials</i> , 2019 , 374, 372-381	12.8	21
92	Facile functionalization of cellulose from discarded cigarette butts for the removal of diclofenac from water. <i>Carbohydrate Polymers</i> , 2019 , 219, 46-55	10.3	21
91	Solubility of chromate in a hydrated OPC. <i>Applied Geochemistry</i> , 2014 , 48, 132-140	3.5	21
90	Performance evaluation of six different aerosol samplers in a particulate matter generation chamber. <i>Atmospheric Environment</i> , 2009 , 43, 280-289	5.3	21
89	Removal of Lead Ions from Aqueous Solutions by Different Types of Industrial Waste Materials: Equilibrium and Kinetic Studies. <i>Separation Science and Technology</i> , 2006 , 41, 1881-1892	2.5	21

88	An analysis of the versatility and effectiveness of composts for sequestering heavy metal ions, dyes and xenobiotics from soils and aqueous milieu. <i>Ecotoxicology and Environmental Safety</i> , 2020 , 197, 110587	7	21
87	A comparative study for the removal of methylene blue dye by N and S modified TiO ₂ adsorbents. <i>Journal of Molecular Liquids</i> , 2015 , 207, 90-98	6	20
86	Adsorption of hydrogen sulphide from aqueous solutions using modified nano/micro fibrillated cellulose. <i>Environmental Technology (United Kingdom)</i> , 2014 , 35, 2334-46	2.6	20
85	Microalgal growth and nitrate removal efficiency in different cultivation conditions: Effect of macro and micronutrients and salinity. <i>Journal of Environmental Chemical Engineering</i> , 2018 , 6, 1848-1854	6.8	19
84	Equilibrium and Kinetic Studies of Trihalomethanes Adsorption onto Multi-walled Carbon Nanotubes. <i>Water, Air, and Soil Pollution</i> , 2016 , 227, 1	2.6	18
83	A comparative study for the removal of imidacloprid insecticide from water by chemical-less UVC, UVC/TiO and UVC/ZnO processes. <i>Journal of Environmental Health Science & Engineering</i> , 2019 , 17, 337-359	3.9	17
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