

Amit Bhatnagar

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	The effect of solvents polarity and extraction conditions on the microalgal lipids yield, fatty acids profile, and biodiesel properties. <i>Bioresource Technology</i> , 2022 , 344, 126303	11	3
230	Growth of marine diatoms on aquaculture wastewater supplemented with nanosilica. <i>Bioresource Technology</i> , 2022 , 344, 126210	11	1
229	Genetic and non-genetic tailoring of microalgae for the enhanced production of eicosapentaenoic acid (EPA) and docosahexaenoic acid (DHA) - A review. <i>Bioresource Technology</i> , 2022 , 344, 126250	11	3
228	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
227	Biodiesel production from black soldier fly larvae derived from food waste by non-catalytic transesterification. <i>Energy</i> , 2022 , 238, 121700	7.9	7
226	Synthesis and Characterization of a Magnetic Carbon Nanofiber Derived from Bacterial Cellulose for the Removal of Diclofenac from Water.. <i>ACS Omega</i> , 2022 , 7, 7572-7584	3.9	0
225	A review on the diverse interactions between microalgae and nanomaterials: Growth variation, photosynthetic performance and toxicity.. <i>Bioresource Technology</i> , 2022 , 351, 127048	11	1
224	Green synthesis of graphite-based photo-Fenton nanocatalyst from waste tar via a self-reduction and solvent-free strategy.. <i>Science of the Total Environment</i> , 2022 , 824, 153772	10.2	2
223	Modified biochar as a green adsorbent for removal of hexavalent chromium from various environmental matrices: Mechanisms, methods, and prospects. <i>Chemical Engineering Journal</i> , 2022 , 439, 135716	14.7	4
222	Spectroscopic investigations and density functional theory calculations reveal differences in retention mechanisms of lead and copper on chemically-modified phytolith-rich biochars.. <i>Chemosphere</i> , 2022 , 134590	8.4	0
221	Valorization of Marine Waste: Use of Industrial By-Products and Beach Wrack Towards the Production of High Added-Value Products. <i>Frontiers in Marine Science</i> , 2021 , 8,	4.5	6
220	Recent progress and challenges facing ballast water treatment - A review. <i>Chemosphere</i> , 2021 , 291, 132776	7.6	3
219	Harnessing biofertilizer from human urine via chemogenic and biogenic routes: Synthesis, characterization and agronomic application. <i>Environmental Technology and Innovation</i> , 2021 , 25, 102152	7	1
218	Direct conversion of <i>Camellia japonica</i> seed into biodiesel through non-catalytic transesterification. <i>Industrial Crops and Products</i> , 2021 , 174, 114194	5.9	1
217	Recent advances in the application of microalgae and its derivatives for preservation, quality improvement, and shelf-life extension of seafood. <i>Critical Reviews in Food Science and Nutrition</i> , 2021 , 1-14	11.5	5
216	Synthesis of N-Doped Magnetic WO ₃ @Mesoporous Carbon Using a Diatom Template and Plasma Modification: Visible-Light-Driven Photocatalytic Activities. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 13072-13086	9.5	8
215	Effect of nanomaterials on remediation of polycyclic aromatic hydrocarbons-contaminated soils: A review. <i>Journal of Environmental Management</i> , 2021 , 284, 112023	7.9	15

214	A critical review on limitations and enhancement strategies associated with biohydrogen production. <i>International Journal of Hydrogen Energy</i> , 2021 , 46, 16565-16590	6.7	12
213	Carbon-based adsorbents for fluoroquinolone removal from water and wastewater: A critical review. <i>Environmental Research</i> , 2021 , 197, 111091	7.9	10
212	Insights into upstream processing of microalgae: A review. <i>Bioresource Technology</i> , 2021 , 329, 124870	11	28
211	Engineered/designer hierarchical porous carbon materials for organic pollutant removal from water and wastewater: A critical review. <i>Critical Reviews in Environmental Science and Technology</i> , 2021 , 51, 2295-2328	11.1	6
210	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
209	Sorption of diethyl phthalate and cadmium by pig carcass and green waste-derived biochars under single and binary systems. <i>Environmental Research</i> , 2021 , 193, 110594	7.9	10
208	Recent advancements in the synthesis of novel thermostable biocatalysts and their applications in commercially important chemoenzymatic conversion processes. <i>Bioresource Technology</i> , 2021 , 323, 124558	11	11
207	Polymers in Wastewater Treatment 2021 ,		
206	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
205	Valorization of aflatoxin contaminated peanut into biodiesel through non-catalytic transesterification. <i>Journal of Hazardous Materials</i> , 2021 , 416, 125845	12.8	7
204	Green synthesis of reduced graphene oxide-CoFe ₂ O ₄ nanocomposite as a highly efficient visible-light-driven catalyst in photocatalysis and photo Fenton-like reaction. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2021 , 270, 115223	3.1	2
203	Microorganisms-carbonaceous materials immobilized complexes: Synthesis, adaptability and environmental applications. <i>Journal of Hazardous Materials</i> , 2021 , 416, 125915	12.8	8
202	GenX is not always a better fluorinated organic compound than PFOA: A critical review on aqueous phase treatability by adsorption and its associated cost. <i>Water Research</i> , 2021 , 205, 117683	12.5	2
201	New mechanistic insight into rapid adsorption of pharmaceuticals from water utilizing activated biochar. <i>Environmental Research</i> , 2021 , 202, 111693	7.9	15
200	Artificial intelligence (AI) applications in adsorption of heavy metals using modified biochar. <i>Science of the Total Environment</i> , 2021 , 801, 149623	10.2	15
199	Deciphering functional biomolecule potential of marine diatoms through complex network approach. <i>Bioresource Technology</i> , 2021 , 342, 125927	11	0
198	Formulation of Water Sustainability Index for India as a performance gauge for realizing the United Nations Sustainable Development Goal 6.. <i>Ambio</i> , 2021 , 51, 1569	6.5	1
197	Sustainable nitrogen-doped functionalized graphene nanosheets for visible-light-induced photocatalytic water splitting. <i>Chemical Communications</i> , 2020 , 56, 6953-6956	5.8	29

196	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	10.2	25
195	Valorization of plastics and paper mill sludge into carbon composite and its catalytic performance for a carbon material consisted of the multi-layered dye oxidation. <i>Journal of Hazardous Materials</i> , 2020 , 398, 123173	12.8	8
194	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
193	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
192	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
191	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
190	Platinum Group Elements in Geosphere and Anthroposphere: Interplay among the Global Reserves, Urban Ores, Markets and Circular Economy. <i>Minerals (Basel, Switzerland)</i> , 2020 , 10, 558	2.4	7
189	Environmentally superior cleaning of diatom frustules using sono-Fenton process: Facile fabrication of nanoporous silica with homogeneous morphology and controlled size. <i>Ultrasonics Sonochemistry</i> , 2020 , 64, 105044	8.9	12
188	Multifaceted applications of isolated microalgae <i>Chlamydomonas</i> sp. TRC-1 in wastewater remediation, lipid production and bioelectricity generation. <i>Bioresource Technology</i> , 2020 , 304, 122993	11	34
187	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
186	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
185	Application of Nordic microalgal-bacterial consortia for nutrient removal from wastewater. <i>Chemical Engineering Journal</i> , 2020 , 398, 125567	14.7	13
184	Physicochemical Properties of Pyrogenic Carbonaceous Product, Biochar, Syngenetically Modified for Its Use in Adsorption Systems. <i>Journal of Environmental Engineering, ASCE</i> , 2020 , 146, 04020078	2	4
183	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
182	Treatment of furazolidone contaminated water using banana pseudostem biochar engineered with facile synthesized magnetic nanocomposites. <i>Bioresource Technology</i> , 2020 , 297, 122472	11	41
181	Enhanced interlayer trapping of Pb(II) ions within kaolinite layers: intercalation, characterization, and sorption studies. <i>Environmental Science and Pollution Research</i> , 2020 , 27, 1870-1887	5.1	17
180	Biochar-based adsorbents for carbon dioxide capture: A critical review. <i>Renewable and Sustainable Energy Reviews</i> , 2020 , 119, 109582	16.2	81
179	Photocatalytic degradation of antibiotic and hydrogen production using diatom-templated 3D WO ₃ -x@mesoporous carbon nanohybrid under visible light irradiation. <i>Journal of Cleaner Production</i> , 2020 , 275, 124157	10.3	10

178	Performance evaluation of different harvesting methods and cultivation media on the harvesting efficiency of microalga and their fatty acids profile. <i>Fuel</i> , 2020 , 280, 118592	7.1	4
177	Efficient removal of diclofenac and cephalexin from aqueous solution using Anthriscus sylvestris-derived activated biochar. <i>Science of the Total Environment</i> , 2020 , 745, 140789	10.2	28
176	Bromate formation control by enhanced ozonation: A critical review. <i>Critical Reviews in Environmental Science and Technology</i> , 2020 , 1-46	11.1	1
175	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
174	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
173	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
172	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
171	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
170	Clay-polymer nanocomposites: Progress and challenges for use in sustainable water treatment. <i>Journal of Hazardous Materials</i> , 2020 , 383, 121125	12.8	77
169	Photocatalytic degradation of gemifloxacin antibiotic using Zn-Co-LDH@biochar nanocomposite. <i>Journal of Hazardous Materials</i> , 2020 , 382, 121070	12.8	148
168	An analysis of the versatility and effectiveness of composts for sequestering heavy metal ions, dyes and xenobiotics from soils and aqueous milieus. <i>Ecotoxicology and Environmental Safety</i> , 2020 , 197, 110587	7.7	21
167	Hexavalent chromium removal from water by microalgal-based materials: Adsorption, desorption and recovery studies. <i>Bioresource Technology</i> , 2019 , 293, 122064	11	53
166	Biosorption of Methylene Blue Dye onto Three Different Marine Macroalgae: Effects of Different Parameters on Isotherm, Kinetic and Thermodynamic 2019 , 43, 2743-2754		5
165	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
164	Phytoremediation potential of vetiver grass irrigated with wastewater for treatment of metal contaminated soil. <i>International Journal of Phytoremediation</i> , 2019 , 21, 92-100	3.9	14
163	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
162	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
161	Mechanistic insight into efficient removal of tetracycline from water by Fe/graphene. <i>Chemical Engineering Journal</i> , 2019 , 373, 821-830	14.7	49

160	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
159	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
158	Biochar-based engineered composites for sorptive decontamination of water: A review. <i>Chemical Engineering Journal</i> , 2019 , 372, 536-550	14.7	157
157	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
156	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, 337-351	2.9	17
155	A review on carbon-based materials for heterogeneous sonocatalysis: Fundamentals, properties and applications. <i>Ultrasonics Sonochemistry</i> , 2019 , 58, 104681	8.9	51
154	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
153	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
152	CHEMICAL REGENERATION OF BONE CHAR ASSOCIATED WITH A CONTINUOUS SYSTEM FOR DEFLUORIDATION OF WATER. <i>Brazilian Journal of Chemical Engineering</i> , 2019 , 36, 1631-1643	1.7	8
151	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
150	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
149	Iron Oxide Nanomaterials for Water Purification 2019 , 431-446		12
148	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
147	FeOOH-modified clay sorbents for arsenic removal from aqueous solutions. <i>Environmental Technology and Innovation</i> , 2019 , 13, 364-372	7	24
146	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
145	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
144	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
143	Green synthesis of nano-zero-valent iron from Nettle and Thyme leaf extracts and their application for the removal of cephalexin antibiotic from aqueous solutions. <i>Environmental Technology (United Kingdom)</i> , 2018 , 39, 1158-1172	2.6	43

142	Comparison of adsorption equilibrium models and error functions for the study of sulfate removal by calcium hydroxyapatite microfibrillated cellulose composite. <i>Environmental Technology (United Kingdom)</i> , 2018 , 39, 952-966	2.6	11
141	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
140	Electrospun polyurethane and soy protein nanofibres for wound dressing applications. <i>IET Nanobiotechnology</i> , 2018 , 12, 94-98	2	12
139	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
138	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
137	Synthesis, Characterization and Environmental Applications of a New Bio-Composite Gelatin-Zr(IV) Phosphate. <i>Journal of Polymers and the Environment</i> , 2018 , 26, 1415-1424	4.5	13
136	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
135	Trace analysis of nitrite ions in environmental samples by using in-situ synthesized Zein biopolymeric nanoparticles as the novel green solid phase extractor. <i>Talanta</i> , 2018 , 176, 156-164	6.2	14
134	Blood Flow in a Radially Non Symmetric Stenosed Artery Under Slip Effect Through Porous Medium. <i>The National Academy of Sciences, India</i> , 2018 , 41, 349-353	0.6	
133	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
132	Photocatalytic degradation of toxic aquatic pollutants by novel magnetic 3D-TiO@HPGA nanocomposite. <i>Scientific Reports</i> , 2018 , 8, 15531	4.9	67
131	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
130	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
129	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
128	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
127	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
126	Removal of nitrate from aqueous solution using modified granular activated carbon. <i>Journal of Molecular Liquids</i> , 2017 , 233, 139-148	6	66
125	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

124	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
123	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
122	Magnesium oxide nanocubes deposited on an overhead projector sheet: synthesis and resistivity-based hydrogen sensing capability. <i>Mikrochimica Acta</i> , 2017 , 184, 3349-3355	5.8	7
121	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
120	A review for chromium removal by carbon nanotubes. <i>Chemistry and Ecology</i> , 2017 , 33, 572-588	2.3	38
119	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
118	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
117	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
116	Desorption of Methylene blue dye from brown macroalgae: Effects of operating parameters, isotherm study and kinetic modeling. <i>Journal of Cleaner Production</i> , 2017 , 152, 443-453	10.3	220
115	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
114	Fractionation of Pb and Cu in the fine fraction (. <i>Waste Management and Research</i> , 2017 , 35, 1175-1182	4	2
113	Chemoresistive sensor for hydrogen using thin films of tin dioxide doped with cerium and palladium. <i>Mikrochimica Acta</i> , 2017 , 184, 4765-4773	5.8	9
112	Adsorptive removal of bisphenol A (BPA) from aqueous solution: A review. <i>Chemosphere</i> , 2017 , 168, 885-902	17.2	249
111	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
110	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
109	Investigation on the performance of sugarcane bagasse as a new carbon source in two hydraulic dimensions of denitrification beds. <i>Journal of Cleaner Production</i> , 2017 , 140, 1176-1181	10.3	13
108	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
107	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

106	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
105	Chitin Adsorbents for Toxic Metals: A Review. <i>International Journal of Molecular Sciences</i> , 2017 , 18,	6.3	90
104	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
103	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
102	Adsorption of rare earth metals: A review of recent literature. <i>Journal of Molecular Liquids</i> , 2016 , 221, 954-962	6	213
101	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
100	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
99	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
98	Multidisciplinary Approaches to Handling Wastes in Sugar Industries. <i>Water, Air, and Soil Pollution</i> , 2016 , 227, 1	2.6	32
97	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
96	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
95	A review on modification methods to cellulose-based adsorbents to improve adsorption capacity. <i>Water Research</i> , 2016 , 91, 156-73	12.5	582
94	Removal of nitrate from aqueous solution by modified sugarcane bagasse biochar. <i>Ecological Engineering</i> , 2016 , 95, 101-111	3.9	129
93	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
92	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
91	Role of nanomaterials in water treatment applications: A review. <i>Chemical Engineering Journal</i> , 2016 , 306, 1116-1137	14.7	762
90	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
89	Performance evaluation of the main units of a refinery wastewater treatment plant [A case study. <i>Journal of Environmental Chemical Engineering</i> , 2015 , 3, 2095-2103	6.8	13

88	Advances in biosorption of microelements [The starting point for the production of new agrochemicals. <i>Reviews in Inorganic Chemistry</i> , 2015 , 35, 115-133	2.4	17
87	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
86	Recent developments of electro-oxidation in water treatment [A review. <i>Journal of Electroanalytical Chemistry</i> , 2015 , 754, 46-56	4.1	243
85	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
84	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
83	Field-portable X-ray fluorescence spectrometry as rapid measurement tool for landfill mining operations: comparison of field data vs. laboratory analysis. <i>International Journal of Environmental Analytical Chemistry</i> , 2015 , 95, 609-617	1.8	9
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