

# Amit Bhatnagar

## List of Publications by Year in descending order

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238  
papers

23,494  
citations

8181

76  
h-index

8866

145  
g-index

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all docs

239  
docs citations

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times ranked

22168  
citing authors

#	ARTICLE	IF	CITATIONS
1	Lignin waste processing into solid, liquid, and gaseous fuels: a comprehensive review. <i>Biomass Conversion and Biorefinery</i> , 2023, 13, 4515-4553.	4.6	20
2	Effective removal of nickel(II) and zinc(II) in mono-compound and binary systems from aqueous solutions by application of alginate-based materials. <i>International Journal of Environmental Analytical Chemistry</i> , 2023, 103, 2016-2037.	3.3	12
3	Bromate formation control by enhanced ozonation: A critical review. <i>Critical Reviews in Environmental Science and Technology</i> , 2022, 52, 1154-1198.	12.8	5
4	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> , 2022, 62, 6055-6068.	10.3	17
5	Valorization of peanut wastes into a catalyst in production of biodiesel. <i>International Journal of Energy Research</i> , 2022, 46, 1299-1312.	4.5	6
6	Biologically-mediated carbon capture and utilization by microalgae towards sustainable CO <sub>2</sub> biofixation and biomass valorization – A review. <i>Chemical Engineering Journal</i> , 2022, 427, 130884.	12.7	192
7	Biodiesel production from black soldier fly larvae derived from food waste by non-catalytic transesterification. <i>Energy</i> , 2022, 238, 121700.	8.8	35
8	Growth of marine diatoms on aquaculture wastewater supplemented with nanosilica. <i>Bioresource Technology</i> , 2022, 344, 126210.	9.6	12
9	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.	9.6	22
10	Recent progress and challenges facing ballast water treatment – A review. <i>Chemosphere</i> , 2022, 291, 132776.	8.2	45
11	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.	9.6	18
12	Nanoporous Magnetic Carbon Nanofiber Aerogels with Embedded $\text{Fe}^{2+}$ - $\text{Fe}^{3+}$ Core-Shell Nanoparticles for Oil Sorption and Recovery. <i>ACS Applied Nano Materials</i> , 2022, 5, 2885-2896.	5.0	21
13	Biochar as a catalyst in the production of syngas and biodiesel from peanut waste. <i>International Journal of Energy Research</i> , 2022, 46, 19287-19299.	4.5	1
14	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.	3.5	7
15	Future feed resources in sustainable salmonid production: A review. <i>Reviews in Aquaculture</i> , 2022, 14, 1790-1812.	9.0	48
16	A review on the diverse interactions between microalgae and nanomaterials: Growth variation, photosynthetic performance and toxicity. <i>Bioresource Technology</i> , 2022, 351, 127048.	9.6	42
17	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.	8.0	6
18	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.	12.7	108

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19	Formulation of Water Sustainability Index for India as a performance gauge for realizing the United Nations Sustainable Development Goal 6. <i>Ambio</i> , 2022, 51, 1569-1587.	5.5	7
20	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, 301, 134590.	8.2	6
21	Engineered biochar for environmental decontamination in aquatic and soil systems: a review. , 2022, 1, .		93
22	Biochar-microorganism interactions for organic pollutant remediation: Challenges and perspectives. <i>Environmental Pollution</i> , 2022, 308, 119609.	7.5	49
23	Insights into simultaneous adsorption and oxidation of antimonite [Sb(III)] by crawfish shell-derived biochar: spectroscopic investigation and theoretical calculations. <i>Biochar</i> , 2022, 4, .	12.6	15
24	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.	12.8	24
25	SARS-CoV-2 coronavirus in water and wastewater: A critical review about presence and concern. <i>Environmental Research</i> , 2021, 193, 110265.	7.5	150
26	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.	7.5	17
27	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.	9.6	19
28	Polymers in Wastewater Treatment. , 2021, , .		0
29	Sturgeon, Caviar, and Caviar Substitutes: From Production, Gastronomy, Nutrition, and Quality Change to Trade and Commercial Mimicry. <i>Reviews in Fisheries Science and Aquaculture</i> , 2021, 29, 753-768.	9.1	26
30	Synthesis of N-Doped Magnetic WO <sub>3</sub> @Mesoporous Carbon Using a Diatom Template and Plasma Modification: Visible-Light-Driven Photocatalytic Activities. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 13072-13086.	8.0	43
31	Effect of nanomaterials on remediation of polycyclic aromatic hydrocarbons-contaminated soils: A review. <i>Journal of Environmental Management</i> , 2021, 284, 112023.	7.8	35
32	A critical review on limitations and enhancement strategies associated with biohydrogen production. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 16565-16590.	7.1	55
33	Carbon-based adsorbents for fluoroquinolone removal from water and wastewater: A critical review. <i>Environmental Research</i> , 2021, 197, 111091.	7.5	44
34	Insights into upstream processing of microalgae: A review. <i>Bioresource Technology</i> , 2021, 329, 124870.	9.6	79
35	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.	12.7	55
36	Valorization of aflatoxin contaminated peanut into biodiesel through non-catalytic transesterification. <i>Journal of Hazardous Materials</i> , 2021, 416, 125845.	12.4	9

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37	Green synthesis of reduced graphene oxide-CoFe <sub>2</sub> O <sub>4</sub> 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.	3.5	19
38	Microorganisms-carbonaceous materials immobilized complexes: Synthesis, adaptability and environmental applications. <i>Journal of Hazardous Materials</i> , 2021, 416, 125915.	12.4	71
39	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.	11.3	20
40	New mechanistic insight into rapid adsorption of pharmaceuticals from water utilizing activated biochar. <i>Environmental Research</i> , 2021, 202, 111693.	7.5	46
41	Artificial intelligence (AI) applications in adsorption of heavy metals using modified biochar. <i>Science of the Total Environment</i> , 2021, 801, 149623.	8.0	61
42	Deciphering functional biomolecule potential of marine diatoms through complex network approach. <i>Bioresource Technology</i> , 2021, 342, 125927.	9.6	2
43	Direct conversion of <i>Camellia japonica</i> seed into biodiesel through non-catalytic transesterification. <i>Industrial Crops and Products</i> , 2021, 174, 114194.	5.2	3
44	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, .	2.5	35
45	Harnessing biofertilizer from human urine via chemogenic and biogenic routes: Synthesis, characterization and agronomic application. <i>Environmental Technology and Innovation</i> , 2021, 25, 102152.	6.1	1
46	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.	12.4	191
47	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.	12.4	126
48	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.	12.4	75
49	Synthesis of clay-cellulose biocomposite for the removal of toxic metal ions from aqueous medium. <i>Journal of Hazardous Materials</i> , 2020, 381, 120871.	12.4	62
50	Clay-polymer nanocomposites: Progress and challenges for use in sustainable water treatment. <i>Journal of Hazardous Materials</i> , 2020, 383, 121125.	12.4	132
51	Photocatalytic degradation of gemifloxacin antibiotic using Zn-Co-LDH@biochar nanocomposite. <i>Journal of Hazardous Materials</i> , 2020, 382, 121070.	12.4	273
52	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.	5.3	52
53	Treatment of furazolidone contaminated water using banana pseudostem biochar engineered with facile synthesized magnetic nanocomposites. <i>Bioresource Technology</i> , 2020, 297, 122472.	9.6	64
54	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.	5.3	32

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55	Biochar-based adsorbents for carbon dioxide capture: A critical review. Renewable and Sustainable Energy Reviews, 2020, 119, 109582.	16.4	212
56	Photocatalytic degradation of antibiotic and hydrogen production using diatom-templated 3D WO <sub>3</sub> -x@mesoporous carbon nanohybrid under visible light irradiation. Journal of Cleaner Production, 2020, 275, 124157.	9.3	27
57	Performance evaluation of different harvesting methods and cultivation media on the harvesting efficiency of microalga and their fatty acids profile. Fuel, 2020, 280, 118592.	6.4	10
58	Efficient removal of diclofenac and cephalexin from aqueous solution using Anthriscus sylvestris-derived activated biochar. Science of the Total Environment, 2020, 745, 140789.	8.0	58
59	Advances in algal biochar: Production, characterization and applications. Bioresource Technology, 2020, 317, 123982.	9.6	15
60	Biochar as an Eco-Friendly and Economical Adsorbent for the Removal of Colorants (Dyes) from Aqueous Environment: A Review. Water (Switzerland), 2020, 12, 3561.	2.7	124
61	Sustainable nitrogen-doped functionalized graphene nanosheets for visible-light-induced photocatalytic water splitting. Chemical Communications, 2020, 56, 6953-6956.	4.1	49
62	Implications of layered double hydroxides assembled biochar composite in adsorptive removal of contaminants: Current status and future perspectives. Science of the Total Environment, 2020, 737, 139718.	8.0	47
63	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. Journal of Hazardous Materials, 2020, 398, 123173.	12.4	16
64	Adsorption of As(V) and Ni(II) by Fe-Biochar composite fabricated by co-pyrolysis of orange peel and red mud. Environmental Research, 2020, 188, 109809.	7.5	59
65	Characterization of activated bentonite clay mineral and the mechanisms underlying its sorption for ciprofloxacin from aqueous solution. Environmental Science and Pollution Research, 2020, 27, 32980-32997.	5.3	74
66	A review of recent advancements in utilization of biomass and industrial wastes into engineered biochar. Journal of Hazardous Materials, 2020, 400, 123242.	12.4	149
67	Synthesis and characterization of magnetic biochar adsorbents for the removal of Cr(VI) and Acid orange 7 dye from aqueous solution. Environmental Science and Pollution Research, 2020, 27, 32874-32887.	5.3	90
68	Platinum Group Elements in Geosphere and Anthroposphere: Interplay among the Global Reserves, Urban Ores, Markets and Circular Economy. Minerals (Basel, Switzerland), 2020, 10, 558.	2.0	16
69	Environmentally superior cleaning of diatom frustules using sono-Fenton process: Facile fabrication of nanoporous silica with homogeneous morphology and controlled size. Ultrasonics Sonochemistry, 2020, 64, 105044.	8.2	25
70	Multifaceted applications of isolated microalgae Chlamydomonas sp. TRC-1 in wastewater remediation, lipid production and bioelectricity generation. Bioresource Technology, 2020, 304, 122993.	9.6	63
71	Engineered tea-waste biochar for the removal of caffeine, a model compound in pharmaceuticals and personal care products (PPCPs), from aqueous media. Environmental Technology and Innovation, 2020, 19, 100847.	6.1	74
72	Carbon nano-onions from waste oil for application in energy storage devices. New Journal of Chemistry, 2020, 44, 7369-7375.	2.8	57

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73	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.	6.0	56
74	Application of Nordic microalgal-bacterial consortia for nutrient removal from wastewater. <i>Chemical Engineering Journal</i> , 2020, 398, 125567.	12.7	22
75	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.	1.4	5
76	A review on carbon-based materials for heterogeneous sonocatalysis: Fundamentals, properties and applications. <i>Ultrasonics Sonochemistry</i> , 2019, 58, 104681.	8.2	86
77	Synergistic effects of activated carbon and nano-zerovalent copper on the performance of hydroxyapatite-alginate beads for the removal of As <sup>3+</sup> from aqueous solution. <i>Journal of Cleaner Production</i> , 2019, 235, 875-886.	9.3	108
78	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.	3.3	161
79	Hexavalent chromium removal from water by microalgal-based materials: Adsorption, desorption and recovery studies. <i>Bioresource Technology</i> , 2019, 293, 122064.	9.6	111
80	Biosorption of Methylene Blue Dye onto Three Different Marine Macroalgae: Effects of Different Parameters on Isotherm, Kinetic and Thermodynamic. <i>Iranian Journal of Science and Technology, Transaction A: Science</i> , 2019, 43, 2743-2754.	1.5	12
81	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.	7.5	84
82	Phytoremediation potential of vetiver grass irrigated with wastewater for treatment of metal contaminated soil. <i>International Journal of Phytoremediation</i> , 2019, 21, 92-100.	3.1	22
83	A comparative study of magnetic chitosan (Chi@Fe <sub>3</sub> O <sub>4</sub> ) and graphene oxide modified magnetic chitosan (Chi@Fe <sub>3</sub> O <sub>4</sub> GO) nanocomposites for efficient removal of Cr(VI) from water. <i>International Journal of Biological Macromolecules</i> , 2019, 137, 948-959.	7.5	120
84	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.	12.7	34
85	Mechanistic insight into efficient removal of tetracycline from water by Fe/graphene. <i>Chemical Engineering Journal</i> , 2019, 373, 821-830.	12.7	78
86	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.	12.4	34
87	Facile functionalization of cellulose from discarded cigarette butts for the removal of diclofenac from water. <i>Carbohydrate Polymers</i> , 2019, 219, 46-55.	10.2	42
88	Biochar-based engineered composites for sorptive decontamination of water: A review. <i>Chemical Engineering Journal</i> , 2019, 372, 536-550.	12.7	264
89	Chitosan-Fe-Al-Mn metal oxyhydroxides composite as highly efficient fluoride scavenger for aqueous medium. <i>Carbohydrate Polymers</i> , 2019, 216, 140-148.	10.2	51
90	A comparative study for the removal of imidacloprid insecticide from water by chemical-less UVC, UVC/TiO <sub>2</sub> and UVC/ZnO processes. <i>Journal of Environmental Health Science &amp; Engineering</i> , 2019, 17, 337-351.	3.0	30

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91	Endosulfan removal through bioremediation, photocatalytic degradation, adsorption and membrane separation processes: A review. Chemical Engineering Journal, 2019, 360, 912-928.	12.7	85
92	Iron Oxide Nanomaterials for Water Purification. , 2019, , 431-446.		18
93	Sequential cultivation of microalgae in raw and recycled dairy wastewater: Microalgal growth, wastewater treatment and biochemical composition. Bioresource Technology, 2019, 273, 556-564.	9.6	148
94	FeOOH-modified clay sorbents for arsenic removal from aqueous solutions. Environmental Technology and Innovation, 2019, 13, 364-372.	6.1	37
95	One-time cultivation of Chlorella pyrenoidosa in aqueous dye solution supplemented with biochar for microalgal growth, dye decolorization and lipid production. Chemical Engineering Journal, 2019, 364, 552-561.	12.7	43
96	CHEMICAL REGENERATION OF BONE CHAR ASSOCIATED WITH A CONTINUOUS SYSTEM FOR DEFLUORIDATION OF WATER. Brazilian Journal of Chemical Engineering, 2019, 36, 1631-1643.	1.3	17
97	Microalgal growth and nitrate removal efficiency in different cultivation conditions: Effect of macro and micronutrients and salinity. Journal of Environmental Chemical Engineering, 2018, 6, 1848-1854.	6.7	29
98	Investigation on the feasibility of Chlorella vulgaris cultivation in a mixture of pulp and aquaculture effluents: Treatment of wastewater and lipid extraction. Bioresource Technology, 2018, 255, 104-110.	9.6	95
99	Probabilistic risk assessment of exposure to fluoride in most consumed brands of tea in the Middle East. Food and Chemical Toxicology, 2018, 115, 267-272.	3.6	43
100	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. Environmental Technology (United Tj ETQq0 0 0 rgBT /Overlock 10 Tf	2.1	21
101	Comparison of adsorption equilibrium models and error functions for the study of sulfate removal by calcium hydroxyapatite microfibrillated cellulose composite. Environmental Technology (United Tj ETQq1 1 0.784214 rgBT/Overlock	2.4	14
102	Cobalt and nickel ferrites based graphene nanocomposites for electrochemical hydrogen evolution. Journal of Magnetism and Magnetic Materials, 2018, 448, 165-171.	2.3	45
103	Efficient removal of toxic phosphate anions from aqueous environment using pectin based quaternary amino anion exchanger. International Journal of Biological Macromolecules, 2018, 106, 1-10.	7.5	112
104	Trace analysis of nitrite ions in environmental samples by using in-situ synthesized Zein biopolymeric nanoparticles as the novel green solid phase extractor. Talanta, 2018, 176, 156-164.	5.5	19
105	Blood Flow in a Radially Non Symmetric Stenosed Artery Under Slip Effect Through Porous Medium. The National Academy of Sciences, India, 2018, 41, 349-353.	1.3	0
106	Chitosan/Ag-hydroxyapatite nanocomposite beads as a potential adsorbent for the efficient removal of toxic aquatic pollutants. International Journal of Biological Macromolecules, 2018, 120, 1752-1759.	7.5	94
107	Photocatalytic degradation of toxic aquatic pollutants by novel magnetic 3D-TiO2@HPGA nanocomposite. Scientific Reports, 2018, 8, 15531.	3.3	104
108	Waste Moringa oleifera seed pods as green sorbent for efficient removal of toxic aquatic pollutants. Journal of Environmental Management, 2018, 227, 95-106.	7.8	53



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109	Removal of Cd <sup>2+</sup> , Ni <sup>2+</sup> and PO <sub>4</sub> <sup>3-</sup> from aqueous solution by hydroxyapatite-bentonite clay-nanocellulose composite. International Journal of Biological Macromolecules, 2018, 118, 903-912.	7.5	63
110	Electrospun polyurethane and soy protein nanofibres for wound dressing applications. IET Nanobiotechnology, 2018, 12, 94-98.	3.8	18
111	Synthesis of S-ligand tethered cellulose nanofibers for efficient removal of Pb(II) and Cd(II) ions from synthetic and industrial wastewater. Environmental Pollution, 2018, 242, 1988-1997.	7.5	61
112	Versatile applications of freshwater and marine water microalgae in dairy wastewater treatment, lipid extraction and tetracycline biosorption. Bioresource Technology, 2018, 268, 523-530.	9.6	140
113	Synthesis, Characterization and Environmental Applications of a New Bio-Composite Gelatin-Zr(IV) Phosphate. Journal of Polymers and the Environment, 2018, 26, 1415-1424.	5.0	17
114	Leaching characteristics of the fine fraction from an excavated landfill: physico-chemical characterization. Journal of Material Cycles and Waste Management, 2017, 19, 294-304.	3.0	30
115	Biosorption of hexavalent chromium from aqueous solution onto pomegranate seeds: kinetic modeling studies. International Journal of Environmental Science and Technology, 2017, 14, 331-340.	3.5	43
116	Synthesis, characterization and exploitation of nano-TiO <sub>2</sub> /feldspar-embedded chitosan beads towards UV-assisted adsorptive abatement of aqueous arsenic (As). Chemical Engineering Journal, 2017, 316, 370-382.	12.7	55
117	Removal of nitrate from aqueous solution using modified granular activated carbon. Journal of Molecular Liquids, 2017, 233, 139-148.	4.9	88
118	Efficient removal of coomassie brilliant blue R-250 dye using starch/poly(alginic acid-cl-acrylamide) nanohydrogel. Chemical Engineering Research and Design, 2017, 109, 301-310.	5.6	183
119	A review on waste-derived adsorbents from sugar industry for pollutant removal in water and wastewater. Journal of Molecular Liquids, 2017, 240, 179-188.	4.9	116
120	Optimization of fluoride removal from aqueous solution by Al <sub>2</sub> O <sub>3</sub> nanoparticles. Journal of Molecular Liquids, 2017, 238, 254-262.	4.9	49
121	Magnesium oxide nanocubes deposited on an overhead projector sheet: synthesis and resistivity-based hydrogen sensing capability. Mikrochimica Acta, 2017, 184, 3349-3355.	5.0	10
122	A non-enzymatic sensor for hydrogen peroxide based on the use of $\gamma$ -Fe <sub>2</sub> O <sub>3</sub> nanoparticles deposited on the surface of NiO nanosheets. Mikrochimica Acta, 2017, 184, 3223-3229.	5.0	43
123	A review for chromium removal by carbon nanotubes. Chemistry and Ecology, 2017, 33, 572-588.	1.6	52
124	Hunting for valuables from landfills and assessing their market opportunities A case study with Kudjape landfill in Estonia. Waste Management and Research, 2017, 35, 627-635.	3.9	39
125	Pretreatment assisted synthesis and characterization of cellulose nanocrystals and cellulose nanofibers from absorbent cotton. International Journal of Biological Macromolecules, 2017, 102, 248-257.	7.5	49
126	Magnetic SiO <sub>2</sub> @CoFe <sub>2</sub> O <sub>4</sub> nanoparticles decorated on graphene oxide as efficient adsorbents for the removal of anionic pollutants from water. Chemical Engineering Journal, 2017, 322, 472-487.	12.7	96



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127	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.	9.3	294
128	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.	3.3	53
129	Fractionation of Pb and Cu in the fine fraction (<10 mm) of waste excavated from a municipal landfill. <i>Waste Management and Research</i> , 2017, 35, 1175-1182.	3.9	5
130	Chemoresistive sensor for hydrogen using thin films of tin dioxide doped with cerium and palladium. <i>Mikrochimica Acta</i> , 2017, 184, 4765-4773.	5.0	14
131	Adsorptive removal of bisphenol A (BPA) from aqueous solution: A review. <i>Chemosphere</i> , 2017, 168, 885-902.	8.2	368
132	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.	3.9	31
133	Thermal regeneration process of bone char used in the fluoride removal from aqueous solution. <i>Journal of Cleaner Production</i> , 2017, 142, 3558-3570.	9.3	56
134	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.	9.3	22
135	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.	12.7	85
136	Removal of natural organic matter (NOM) and its constituents from water by adsorption – A review. <i>Chemosphere</i> , 2017, 166, 497-510.	8.2	246
137	Paradigms on landfill mining: From dump site scavenging to ecosystem services revitalization. <i>Resources, Conservation and Recycling</i> , 2017, 123, 73-84.	10.8	73
138	Chitin Adsorbents for Toxic Metals: A Review. <i>International Journal of Molecular Sciences</i> , 2017, 18, 114.	4.1	129
139	Removal of nitrate from aqueous solution by modified sugarcane bagasse biochar. <i>Ecological Engineering</i> , 2016, 95, 101-111.	3.6	184
140	Adsorptive removal of endocrine disrupting bisphenol A from aqueous solution using chitosan. <i>Journal of Environmental Chemical Engineering</i> , 2016, 4, 2647-2655.	6.7	116
141	Synthesis and characterization of Al <sub>2</sub> O <sub>3</sub> nanoparticles by flame spray pyrolysis (FSP) – Role of Fe ions in the precursor. <i>Powder Technology</i> , 2016, 298, 42-49.	4.2	30
142	Role of nanomaterials in water treatment applications: A review. <i>Chemical Engineering Journal</i> , 2016, 306, 1116-1137.	12.7	1,004
143	Equilibrium and Kinetic Studies of Trihalomethanes Adsorption onto Multi-walled Carbon Nanotubes. <i>Water, Air, and Soil Pollution</i> , 2016, 227, 1.	2.4	23
144	Adsorption of rare earth metals: A review of recent literature. <i>Journal of Molecular Liquids</i> , 2016, 221, 954-962.	4.9	307

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145	Mobility of Metals and Valorization of Sorted Fine Fraction of Waste After Landfill Excavation. Waste and Biomass Valorization, 2016, 7, 593-602.	3.4	33
146	Adsorptive removal of arsenic(V) from aqueous phase by feldspars: Kinetics, mechanism, and thermodynamic aspects of adsorption. Journal of Molecular Liquids, 2016, 214, 149-156.	4.9	107
147	Water defluoridation using Al <sub>2</sub> O <sub>3</sub> nanoparticles synthesized by flame spray pyrolysis (FSP) method. Chemical Engineering Journal, 2016, 288, 198-206.	12.7	70
148	Multidisciplinary Approaches to Handling Wastes in Sugar Industries. Water, Air, and Soil Pollution, 2016, 227, 1.	2.4	47
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