

# Deng Shubo

## List of Publications by Citations

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149  
papers

9,158  
citations

53  
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91  
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154  
ext. papers

11,246  
ext. citations

9.8  
avg, IF

6.46  
L-index

#	Paper	IF	Citations
149	Sorption of perfluorooctane sulfonate and perfluorooctanoate on activated carbons and resin: Kinetic and isotherm study. <i>Water Research</i> , <b>2009</b> , 43, 1150-8	12.5	454
148	Adsorption behavior and mechanism of perfluorinated compounds on various adsorbents--a review. <i>Journal of Hazardous Materials</i> , <b>2014</b> , 274, 443-54	12.8	438
147	Polyethylenimine-modified fungal biomass as a high-capacity biosorbent for Cr(VI) anions: sorption capacity and uptake mechanisms. <i>Environmental Science &amp; Technology</i> , <b>2005</b> , 39, 8490-6	10.3	286
146	First report of a Chinese PFOS alternative overlooked for 30 years: its toxicity, persistence, and presence in the environment. <i>Environmental Science &amp; Technology</i> , <b>2013</b> , 47, 10163-70	10.3	277
145	Granular bamboo-derived activated carbon for high CO <sub>2</sub> adsorption: the dominant role of narrow micropores. <i>ChemSusChem</i> , <b>2012</b> , 5, 2354-60	8.3	252
144	Selective removal of perfluorooctane sulfonate from aqueous solution using chitosan-based molecularly imprinted polymer adsorbents. <i>Water Research</i> , <b>2008</b> , 42, 3089-97	12.5	232
143	As(V) and As(III) removal from water by a Ce <sub>2</sub> O <sub>3</sub> oxide adsorbent: Behavior and mechanism. <i>Chemical Engineering Journal</i> , <b>2010</b> , 161, 106-113	14.7	220
142	Preparation of ultrafine magnetic biochar and activated carbon for pharmaceutical adsorption and subsequent degradation by ball milling. <i>Journal of Hazardous Materials</i> , <b>2016</b> , 305, 156-163	12.8	202
141	Removal of perfluorooctane sulfonate from wastewater by anion exchange resins: effects of resin properties and solution chemistry. <i>Water Research</i> , <b>2010</b> , 44, 5188-95	12.5	192
140	Sorption mechanisms of perfluorinated compounds on carbon nanotubes. <i>Environmental Pollution</i> , <b>2012</b> , 168, 138-44	9.3	167
139	Regeneration of chitosan-based adsorbents used in heavy metal adsorption: A review. <i>Separation and Purification Technology</i> , <b>2019</b> , 224, 373-387	8.3	162
138	Mn-Ce oxide as a high-capacity adsorbent for fluoride removal from water. <i>Journal of Hazardous Materials</i> , <b>2011</b> , 186, 1360-6	12.8	153
137	Enhanced adsorption of perfluorooctane sulfonate and perfluorooctanoate by bamboo-derived granular activated carbon. <i>Journal of Hazardous Materials</i> , <b>2015</b> , 282, 150-7	12.8	150
136	Superior CO <sub>2</sub> adsorption on pine nut shell-derived activated carbons and the effective micropores at different temperatures. <i>Chemical Engineering Journal</i> , <b>2014</b> , 253, 46-54	14.7	149
135	Production of a biofloculant by <i>Aspergillus parasiticus</i> and its application in dye removal. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2005</b> , 44, 179-86	6	139
134	Occurrence and source apportionment of pharmaceuticals and personal care products in the Beiyun River of Beijing, China. <i>Chemosphere</i> , <b>2015</b> , 119, 1033-1039	8.4	138
133	Destruction of perfluorooctane sulfonate (PFOS) and perfluorooctanoic acid (PFOA) by ball milling. <i>Environmental Science &amp; Technology</i> , <b>2013</b> , 47, 6471-7	10.3	133

132	Preparation of Al-Ce hybrid adsorbent and its application for defluoridation of drinking water. <i>Journal of Hazardous Materials</i> , <b>2010</b> , 179, 424-30	12.8	132
131	Degradation of Ofloxacin by Perylene Diimide Supramolecular Nanofiber Sunlight-Driven Photocatalysis. <i>Environmental Science &amp; Technology</i> , <b>2019</b> , 53, 1564-1575	10.3	125
130	Removal of perfluorooctane sulfonate from aqueous solution by crosslinked chitosan beads: sorption kinetics and uptake mechanism. <i>Bioresource Technology</i> , <b>2011</b> , 102, 2265-71	11	119
129	Degradation of the anti-inflammatory drug ibuprofen by electro-peroxone process. <i>Water Research</i> , <b>2014</b> , 63, 81-93	12.5	117
128	Removal of perfluorinated carboxylates from washing wastewater of perfluorooctanesulfonyl fluoride using activated carbons and resins. <i>Journal of Hazardous Materials</i> , <b>2015</b> , 286, 136-43	12.8	117
127	Characterization of pharmaceutically active compounds in Dongting Lake, China: Occurrence, chiral profiling and environmental risk. <i>Science of the Total Environment</i> , <b>2016</b> , 557-558, 268-75	10.2	112
126	Novel crosslinked chitosan for enhanced adsorption of hexavalent chromium in acidic solution. <i>Chemical Engineering Journal</i> , <b>2018</b> , 347, 782-790	14.7	111
125	Activated carbons and amine-modified materials for carbon dioxide capture – a review. <i>Frontiers of Environmental Science and Engineering</i> , <b>2013</b> , 7, 326-340	5.8	111
124	Ball milling synthesized MnOx as highly active catalyst for gaseous POPs removal: significance of mechanochemically induced oxygen vacancies. <i>Environmental Science &amp; Technology</i> , <b>2015</b> , 49, 4473-80	10.3	107
123	Comparison of pharmaceutical abatement in various water matrices by conventional ozonation, peroxone (O/HO), and an electro-peroxone process. <i>Water Research</i> , <b>2018</b> , 130, 127-138	12.5	102
122	Sorption of perfluorooctane sulfonate on organo-montmorillonites. <i>Chemosphere</i> , <b>2010</b> , 78, 688-94	8.4	100
121	Characterization of pharmaceutically active compounds in Beijing, China: Occurrence pattern, spatiotemporal distribution and its environmental implication. <i>Journal of Hazardous Materials</i> , <b>2017</b> , 323, 147-155	12.8	96
120	Ozonation of trimethoprim in aqueous solution: identification of reaction products and their toxicity. <i>Water Research</i> , <b>2013</b> , 47, 2863-72	12.5	93
119	Activated carbons prepared from peanut shell and sunflower seed shell for high CO <sub>2</sub> adsorption. <i>Adsorption</i> , <b>2015</b> , 21, 125-133	2.6	91
118	Removal of pharmaceuticals from secondary effluents by an electro-peroxone process. <i>Water Research</i> , <b>2016</b> , 88, 826-835	12.5	90
117	Integrated adsorption and visible-light photodegradation of aqueous clofibric acid and carbamazepine by a Fe-based metal-organic framework. <i>Chemical Engineering Journal</i> , <b>2017</b> , 330, 157-165	14.7	89
116	Mechanisms of enhanced total organic carbon elimination from oxalic acid solutions by electro-peroxone process. <i>Water Research</i> , <b>2015</b> , 80, 20-9	12.5	83
115	Differences in the seasonal variation of brominated and phosphorus flame retardants in office dust. <i>Environment International</i> , <b>2014</b> , 65, 100-6	12.9	80

114	Preparation, characterization and application of a Ce-Ti oxide adsorbent for enhanced removal of arsenate from water. <i>Journal of Hazardous Materials</i> , <b>2010</b> , 179, 1014-21	12.8	80
113	Stable Covalent Organic Frameworks as Efficient Adsorbents for High and Selective Removal of an Aryl-Organophosphorus Flame Retardant from Water. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 30265-30272	9.5	78
112	Degradation of sulfamethazine by persulfate activated with organo-montmorillonite supported nano-zero valent iron. <i>Chemical Engineering Journal</i> , <b>2019</b> , 361, 99-108	14.7	77
111	Enhanced adsorption of arsenate on the aminated fibers: sorption behavior and uptake mechanism. <i>Langmuir</i> , <b>2008</b> , 24, 10961-7	4	74
110	Adsorption and catalytic oxidation of pharmaceuticals by nitrogen-doped reduced graphene oxide/Fe <sub>3</sub> O <sub>4</sub> nanocomposite. <i>Chemical Engineering Journal</i> , <b>2018</b> , 341, 361-370	14.7	73
109	Characterization and human exposure assessment of organophosphate flame retardants in indoor dust from several microenvironments of Beijing, China. <i>Chemosphere</i> , <b>2016</b> , 150, 465-471	8.4	73
108	Competitive adsorption of perfluoroalkyl substances on anion exchange resins in simulated AFFF-impacted groundwater. <i>Chemical Engineering Journal</i> , <b>2018</b> , 348, 494-502	14.7	72
107	A comparative study of rigid and flexible MOFs for the adsorption of pharmaceuticals: Kinetics, isotherms and mechanisms. <i>Journal of Hazardous Materials</i> , <b>2018</b> , 359, 248-257	12.8	70
106	Adsorption behavior and mechanism of emerging perfluoro-2-propoxypropanoic acid (GenX) on activated carbons and resins. <i>Chemical Engineering Journal</i> , <b>2019</b> , 364, 132-138	14.7	67
105	Activation of persulfate by modified drinking water treatment residuals for sulfamethoxazole degradation. <i>Chemical Engineering Journal</i> , <b>2018</b> , 353, 490-498	14.7	67
104	Adsorption of perfluorinated compounds on aminated rice husk prepared by atom transfer radical polymerization. <i>Chemosphere</i> , <b>2013</b> , 91, 124-30	8.4	66
103	Contaminants of emerging concern in landfill leachate in China: A review. <i>Emerging Contaminants</i> , <b>2018</b> , 4, 1-10	5.8	66
102	Adsorptive removal of emerging polyfluoroalkyl substances F-53B and PFOS by anion-exchange resin: A comparative study. <i>Journal of Hazardous Materials</i> , <b>2017</b> , 323, 550-557	12.8	64
101	Emission inventory for PFOS in China: review of past methodologies and suggestions. <i>Scientific World Journal, The</i> , <b>2011</b> , 11, 1963-80	2.2	64
100	The electro-peroxone process for the abatement of emerging contaminants: Mechanisms, recent advances, and prospects. <i>Chemosphere</i> , <b>2018</b> , 208, 640-654	8.4	62
99	Occurrence of organophosphorus flame retardants on skin wipes: Insight into human exposure from dermal absorption. <i>Environment International</i> , <b>2017</b> , 98, 113-119	12.9	59
98	CO <sub>2</sub> adsorption on crab shell derived activated carbons: contribution of micropores and nitrogen-containing groups. <i>RSC Advances</i> , <b>2015</b> , 5, 48323-48330	3.7	59
97	Au(III) adsorption and reduction to gold particles on cost-effective tannin acid immobilized dialdehyde corn starch. <i>Chemical Engineering Journal</i> , <b>2019</b> , 370, 228-236	14.7	55

96	Efficient degradation of carbamazepine by organo-montmorillonite supported nCoFe <sub>2</sub> O <sub>4</sub> -activated peroxymonosulfate process. <i>Chemical Engineering Journal</i> , <b>2019</b> , 368, 824-836	14.7	53
95	The competition between cathodic oxygen and ozone reduction and its role in dictating the reaction mechanisms of an electro-peroxone process. <i>Water Research</i> , <b>2017</b> , 118, 26-38	12.5	52
94	Electro-peroxone treatment of the antidepressant venlafaxine: Operational parameters and mechanism. <i>Journal of Hazardous Materials</i> , <b>2015</b> , 300, 298-306	12.8	50
93	Typical pharmaceuticals in major WWTPs in Beijing, China: Occurrence, load pattern and calculation reliability. <i>Water Research</i> , <b>2018</b> , 140, 291-300	12.5	50
92	Perchlorate formation during the electro-peroxone treatment of chloride-containing water: Effects of operational parameters and control strategies. <i>Water Research</i> , <b>2016</b> , 88, 691-702	12.5	50
91	Role of air bubbles overlooked in the adsorption of perfluorooctanesulfonate on hydrophobic carbonaceous adsorbents. <i>Environmental Science &amp; Technology</i> , <b>2014</b> , 48, 13785-92	10.3	50
90	Removal of perfluorooctanoate from surface water by polyaluminium chloride coagulation. <i>Water Research</i> , <b>2011</b> , 45, 1774-80	12.5	50
89	As(III) and As(V) adsorption on nanocomposite of hydrated zirconium oxide coated carbon nanotubes. <i>Journal of Colloid and Interface Science</i> , <b>2018</b> , 511, 277-284	9.3	48
88	Prediction of micropollutant abatement during homogeneous catalytic ozonation by a chemical kinetic model. <i>Water Research</i> , <b>2018</b> , 142, 383-395	12.5	48
87	Enhanced removal of pentachlorophenol and 2,4-D from aqueous solution by an aminated biosorbent. <i>Journal of Hazardous Materials</i> , <b>2009</b> , 165, 408-14	12.8	47
86	Ozonation of indomethacin: Kinetics, mechanisms and toxicity. <i>Journal of Hazardous Materials</i> , <b>2017</b> , 323, 460-470	12.8	46
85	Selective and Fast Adsorption of Perfluorooctanesulfonate from Wastewater by Magnetic Fluorinated Vermiculite. <i>Environmental Science &amp; Technology</i> , <b>2017</b> , 51, 8027-8035	10.3	45
84	Fate and removal of typical pharmaceutical and personal care products in a wastewater treatment plant from Beijing: a mass balance study. <i>Frontiers of Environmental Science and Engineering</i> , <b>2016</b> , 10, 491-501	5.8	44
83	Adsorption behavior and mechanism of perfluorooctane sulfonate on nanosized inorganic oxides. <i>Journal of Colloid and Interface Science</i> , <b>2016</b> , 474, 199-205	9.3	44
82	Understanding the adsorption of sulfonamide antibiotics on MIL-53s: Metal dependence of breathing effect and adsorptive performance in aqueous solution. <i>Journal of Colloid and Interface Science</i> , <b>2019</b> , 535, 159-168	9.3	44
81	Hydrophilic and strengthened 3D reduced graphene oxide/nano-Fe <sub>3</sub> O <sub>4</sub> hybrid hydrogel for enhanced adsorption and catalytic oxidation of typical pharmaceuticals. <i>Environmental Science: Nano</i> , <b>2018</b> , 5, 1650-1660	7.1	43
80	Nanoscale zero valent iron-activated persulfate coupled with Fenton oxidation process for typical pharmaceuticals and personal care products degradation. <i>Separation and Purification Technology</i> , <b>2020</b> , 239, 116534	8.3	42
79	Estimating the use of antibiotics for humans across China. <i>Chemosphere</i> , <b>2016</b> , 144, 1384-90	8.4	40

78	Characterization and demulsification of produced liquid from weak base ASP flooding. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2006</b> , 290, 164-171	5.1	40
77	Characterization of suspended solids in produced water in Daqing oilfield. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2009</b> , 332, 63-69	5.1	38
76	Highly efficient removal of enrofloxacin by magnetic montmorillonite via adsorption and persulfate oxidation. <i>Chemical Engineering Journal</i> , <b>2019</b> , 360, 1119-1127	14.7	38
75	Regeneration of Chitosan-Based Adsorbents for Eliminating Dyes from Aqueous Solutions. <i>Separation and Purification Reviews</i> , <b>2019</b> , 48, 1-13	7.3	38
74	Efficient removal of perfluorinated compounds from water using a regenerable magnetic activated carbon. <i>Chemosphere</i> , <b>2019</b> , 224, 187-194	8.4	37
73	Linking the environmental loads to the fate of PPCPs in Beijing: Considering both the treated and untreated wastewater sources. <i>Environmental Pollution</i> , <b>2015</b> , 202, 153-9	9.3	37
72	Mechanochemical degradation of hexabromocyclododecane and approaches for the remediation of its contaminated soil. <i>Chemosphere</i> , <b>2014</b> , 116, 40-5	8.4	36
71	Highly efficient removal of hexavalent chromium from electroplating wastewater using aminated wheat straw. <i>RSC Advances</i> , <b>2016</b> , 6, 8797-8805	3.7	34
70	Defect engineered oxides for enhanced mechanochemical destruction of halogenated organic pollutants. <i>Chemosphere</i> , <b>2017</b> , 184, 879-883	8.4	34
69	Selective sorption of perfluorooctane sulfonate on molecularly imprinted polymer adsorbents. <i>Frontiers of Environmental Science and Engineering in China</i> , <b>2009</b> , 3, 171-177		33
68	Removal of fluoride from water using titanium-based adsorbents. <i>Frontiers of Environmental Science and Engineering in China</i> , <b>2010</b> , 4, 414-420		33
67	Preparation of porous graphene oxide by chemically intercalating a rigid molecule for enhanced removal of typical pharmaceuticals. <i>Carbon</i> , <b>2017</b> , 119, 101-109	10.4	32
66	Preparation of regenerable granular carbon nanotubes by a simple heating-filtration method for efficient removal of typical pharmaceuticals. <i>Chemical Engineering Journal</i> , <b>2016</b> , 294, 353-361	14.7	32
65	Effects of microplastics on the uptake, distribution and biotransformation of chiral antidepressant venlafaxine in aquatic ecosystem. <i>Journal of Hazardous Materials</i> , <b>2018</b> , 359, 104-112	12.8	31
64	Mechanochemical destruction of decabromodiphenyl ether into visible light photocatalyst BiOBr. <i>RSC Advances</i> , <b>2014</b> , 4, 14719-14724	3.7	31
63	Estimation of human exposure to halogenated flame retardants through dermal adsorption by skin wipe. <i>Chemosphere</i> , <b>2017</b> , 168, 272-278	8.4	31
62	First assessment on degradability of sodium p-perfluorooxynonenoxybenzene sulfonate (OBS), a high volume alternative to perfluorooctane sulfonate in fire-fighting foams and oil production agents in China. <i>RSC Advances</i> , <b>2017</b> , 7, 46948-46957	3.7	30
61	Emission of unintentionally produced persistent organic pollutants (UPOPs) from municipal waste incinerators in China. <i>Chemosphere</i> , <b>2016</b> , 158, 17-23	8.4	28

60	Bromate removal from water by polypyrrole tailored activated carbon. <i>Journal of Colloid and Interface Science</i> , <b>2016</b> , 467, 10-16	9.3	28
59	Decomplexation removal of Ni(II)-citrate complexes through heterogeneous Fenton-like process using novel CuO-CeO-CoO composite nanocatalyst. <i>Journal of Hazardous Materials</i> , <b>2019</b> , 374, 167-176	12.8	27
58	A primary estimate of global PCDD/F release based on the quantity and quality of national economic and social activities. <i>Chemosphere</i> , <b>2016</b> , 151, 303-9	8.4	27
57	Adsorptive recovery of Au(III) from aqueous solution using crosslinked polyethyleneimine resins. <i>Chemosphere</i> , <b>2020</b> , 241, 125122	8.4	27
56	Effects of zero-valent metals together with quartz sand on the mechanochemical destruction of dechlorane plus coground in a planetary ball mill. <i>Journal of Hazardous Materials</i> , <b>2014</b> , 264, 230-5	12.8	26
55	Powdered activated coke for COD removal in the advanced treatment of mixed chemical wastewaters and regeneration by Fenton oxidation. <i>Chemical Engineering Journal</i> , <b>2019</b> , 371, 631-638	14.7	25
54	Occurrence, elimination, enantiomeric distribution and intra-day variations of chiral pharmaceuticals in major wastewater treatment plants in Beijing, China. <i>Environmental Pollution</i> , <b>2018</b> , 239, 473-482	9.3	25
53	Effect of co-existing organic compounds on adsorption of perfluorinated compounds onto carbon nanotubes. <i>Frontiers of Environmental Science and Engineering</i> , <b>2015</b> , 9, 784-792	5.8	24
52	Removal of micropollutants by an electrochemically driven UV/chlorine process for decentralized water treatment. <i>Water Research</i> , <b>2020</b> , 183, 116115	12.5	23
51	Efficient removal of perfluorooctane sulfonate from aqueous film-forming foam solution by aeration-foam collection. <i>Chemosphere</i> , <b>2018</b> , 203, 263-270	8.4	23
50	Intercalation of rigid molecules between carbon nanotubes for adsorption enhancement of typical pharmaceuticals. <i>Chemical Engineering Journal</i> , <b>2018</b> , 332, 102-108	14.7	23
49	Adsorptive removal of organophosphate flame retardants from water by non-ionic resins. <i>Chemical Engineering Journal</i> , <b>2018</b> , 354, 105-112	14.7	23
48	Removal of clofibric acid from aqueous solution by polyethylenimine-modified chitosan beads. <i>Frontiers of Environmental Science and Engineering</i> , <b>2014</b> , 8, 675-682	5.8	23
47	Superhigh adsorption of perfluorooctane sulfonate on aminated polyacrylonitrile fibers with the assistance of air bubbles. <i>Chemical Engineering Journal</i> , <b>2017</b> , 315, 108-114	14.7	21
46	Preparation of aminated cross-linked chitosan beads for efficient adsorption of hexavalent chromium. <i>International Journal of Biological Macromolecules</i> , <b>2019</b> , 139, 352-360	7.9	21
45	Novel insights into the competitive adsorption behavior and mechanism of per- and polyfluoroalkyl substances on the anion-exchange resin. <i>Journal of Colloid and Interface Science</i> , <b>2019</b> , 557, 655-663	9.3	21
44	Rapid determination of pharmaceuticals from multiple therapeutic classes in wastewater by solid-phase extraction and ultra-performance liquid chromatography tandem mass spectrometry. <i>Science Bulletin</i> , <b>2009</b> , 54, 4633-4643	10.6	20
43	Recovery of Ni(II) from real electroplating wastewater using fixed-bed resin adsorption and subsequent electrodeposition. <i>Frontiers of Environmental Science and Engineering</i> , <b>2019</b> , 13, 1	5.8	20

42	Effect of high energy ball milling on organic pollutant adsorption properties of chitosan. <i>International Journal of Biological Macromolecules</i> , <b>2020</b> , 148, 543-549	7.9	19
41	Modelling of emerging contaminant removal during heterogeneous catalytic ozonation using chemical kinetic approaches. <i>Journal of Hazardous Materials</i> , <b>2019</b> , 380, 120888	12.8	18
40	Unveiling formation mechanism of carcinogenic N-nitrosodimethylamine in ozonation of dimethylamine: a density functional theoretical investigation. <i>Journal of Hazardous Materials</i> , <b>2014</b> , 279, 330-5	12.8	18
39	Deriving acute and chronic predicted no effect concentrations of pharmaceuticals and personal care products based on species sensitivity distributions. <i>Ecotoxicology and Environmental Safety</i> , <b>2017</b> , 144, 537-542	7	18
38	Elucidating ozonation mechanisms of organic micropollutants based on DFT calculations: Taking sulfamethoxazole as a case. <i>Environmental Pollution</i> , <b>2017</b> , 220, 971-980	9.3	18
37	Efficient degradation of typical pharmaceuticals in water using a novel TiO <sub>2</sub> /ONLH nano-photocatalyst under natural sunlight. <i>Journal of Hazardous Materials</i> , <b>2021</b> , 403, 123582	12.8	18
36	Removal of low concentrations of nickel ions in electroplating wastewater by combination of electro-dialysis and electrodeposition. <i>Chemosphere</i> , <b>2021</b> , 263, 128208	8.4	18
35	Mechanochemical conversion of brominated POPs into useful oxybromides: a greener approach. <i>Scientific Reports</i> , <b>2016</b> , 6, 28394	4.9	17
34	Enhanced adsorption of diclofenac sodium on the carbon nanotubes-polytetrafluorethylene electrode and subsequent degradation by electro-peroxone treatment. <i>Journal of Colloid and Interface Science</i> , <b>2017</b> , 488, 142-148	9.3	17
33	Calcined electroplating sludge as a novel bifunctional material for removing Ni(II)-citrate in electroplating wastewater. <i>Journal of Cleaner Production</i> , <b>2020</b> , 262, 121416	10.3	16
32	Adsorption of perfluorooctane sulfonate on carbon nanotubes: influence of pH and competitive ions. <i>Water Science and Technology</i> , <b>2014</b> , 69, 1489-95	2.2	16
31	Regeneration of PFOS loaded activated carbon by hot water and subsequent aeration enrichment of PFOS from eluent. <i>Carbon</i> , <b>2018</b> , 134, 199-206	10.4	15
30	Granular reduced graphene oxide/FeO hydrogel for efficient adsorption and catalytic oxidation of p-perfluorous nonenoxybenzene sulfonate. <i>Journal of Hazardous Materials</i> , <b>2020</b> , 386, 121662	12.8	15
29	Cationic covalent organic framework for efficient removal of PFOA substitutes from aqueous solution. <i>Chemical Engineering Journal</i> , <b>2021</b> , 412, 127509	14.7	14
28	Effective mineralization of anti-epilepsy drug carbamazepine in aqueous solution by simultaneously electro-generated H <sub>2</sub> O <sub>2</sub> /O <sub>3</sub> process. <i>Electrochimica Acta</i> , <b>2018</b> , 290, 203-210	6.7	13
27	Unintentional formed PCDDs, PCDFs, and DL-PCBs as impurities in Chinese pentachloronitrobenzene products. <i>Environmental Science and Pollution Research</i> , <b>2015</b> , 22, 14462-70	5.1	12
26	Characteristics of pharmaceutically active compounds in surface water in Beijing, China: Occurrence, spatial distribution and biennial variation from 2013 to 2017. <i>Environmental Pollution</i> , <b>2020</b> , 264, 114753	9.3	12
25	Screening of textile finishing agents available on the Chinese market: An important source of per- and polyfluoroalkyl substances to the environment. <i>Frontiers of Environmental Science and Engineering</i> , <b>2019</b> , 13, 1	5.8	12



24	Mechanochemically synthesized S-ZVIbm composites for the activation of persulfate in the pH-independent degradation of atrazine: Effects of sulfur dose and ball-milling conditions. <i>Chemical Engineering Journal</i> , <b>2021</b> , 423, 129789	14.7	12
23	Effect of hydro-oleophobic perfluorocarbon chain on interfacial behavior and mechanism of perfluorooctane sulfonate in oil-water mixture. <i>Scientific Reports</i> , <b>2017</b> , 7, 44694	4.9	11
22	Combination of ozonation and electrolysis process to enhance elimination of thirty structurally diverse pharmaceuticals in aqueous solution. <i>Journal of Hazardous Materials</i> , <b>2019</b> , 368, 281-291	12.8	10
21	Efficient removal of CO <sub>2</sub> from indoor air using a polyethyleneimine-impregnated resin and its low-temperature regeneration. <i>Chemical Engineering Journal</i> , <b>2020</b> , 399, 125734	14.7	9
20	Ozonation of the algaecide irgarol: Kinetics, transformation products, and toxicity. <i>Chemosphere</i> , <b>2019</b> , 236, 124374	8.4	9
19	Bioanalytical characterization of dioxin-like activity in sewage sludge from Beijing, China. <i>Chemosphere</i> , <b>2009</b> , 75, 649-653	8.4	9
18	Role of the air-water interface in removing perfluoroalkyl acids from drinking water by activated carbon treatment. <i>Journal of Hazardous Materials</i> , <b>2020</b> , 386, 121981	12.8	9
17	Rapid mechanochemical synthesis of VO <sub>x</sub> /TiO <sub>2</sub> as highly active catalyst for HCB removal. <i>Chemosphere</i> , <b>2015</b> , 141, 197-204	8.4	8
16	Adsorption behavior and mechanism of Au(III) on caffeic acid functionalized viscose staple fibers. <i>Chemosphere</i> , <b>2020</b> , 253, 126704	8.4	8
15	Removal of low concentrations of nickel ions in electroplating wastewater using capacitive deionization technology. <i>Chemosphere</i> , <b>2021</b> , 284, 131341	8.4	8
14	Relationship between Oxidation Products and Estrogenic Activity during Ozonation of 4-Nonylphenol. <i>Ozone: Science and Engineering</i> , <b>2008</b> , 30, 120-126	2.4	6
13	Removal of Humic Acid Using PEI-Modified Fungal Biomass. <i>Separation Science and Technology</i> , <b>2006</b> , 41, 2989-3002	2.5	6
12	Preparation of magnetic powdered carbon/nano-FeO composite for efficient adsorption and degradation of trichloropropyl phosphate from water. <i>Journal of Hazardous Materials</i> , <b>2021</b> , 416, 125765	12.8	6
11	Can the commonly used quenching method really evaluate the role of reactive oxygen species in pollutant abatement during catalytic ozonation?. <i>Water Research</i> , <b>2022</b> , 215, 118275	12.5	6
10	Catalytic decomposition of dioxins and other unintentional POPs in flue gas from a municipal waste incinerator (MWI) in China: a pilot testing. <i>Environmental Science and Pollution Research</i> , <b>2018</b> , 25, 31799-31804	5.1	5
9	Rapid Removal of Perfluoroalkanesulfonates from Water by β-Cyclodextrin Covalent Organic Frameworks. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 48700-48708	9.5	4
8	Determination of 41 polybrominated diphenyl ethers in soil using a pressurised solvent extraction and GC-NCI-MS method. <i>International Journal of Environmental Analytical Chemistry</i> , <b>2011</b> , 91, 1135-1150	1.8	3
7	Contribution of Nanobubbles for PFAS Adsorption on Graphene and OH- and NH-Functionalized Graphene: Comparing Simulations with Experimental Results. <i>Environmental Science &amp; Technology</i> , <b>2021</b> , 55, 13254-13263	10.3	3

6	Environmental applications and implications of nanotechnologies. <i>Frontiers of Environmental Science and Engineering</i> , <b>2015</b> , 9, 745-745	5.8	2
5	Degradation of OBS (Sodium -Perfluorous Nonenoxybenzenesulfonate) as a Novel Per- and Polyfluoroalkyl Substance by UV/Persulfate and UV/Sulfite: Fluorinated Intermediates and Treatability in Fluoroprotein Foam.. <i>Environmental Science &amp; Technology</i> , <b>2022</b> ,	10.3	2
4	Regenerable magnetic octahedral layer catalyst for gaseous UPOPs removal. <i>Journal of Hazardous Materials</i> , <b>2014</b> , 280, 627-35	12.8	1
3	Removal of low-concentration nickel in electroplating wastewater via incomplete decomplexation by ozonation and subsequent resin adsorption. <i>Chemical Engineering Journal</i> , <b>2022</b> , 435, 134923	14.7	0
2	Mechanochemical synthesis of catalysts and reagents for water decontamination: Recent advances and perspective.. <i>Science of the Total Environment</i> , <b>2022</b> , 153992	10.2	0
1	Identifying Pollution Sources in Surface Water Using a Fluorescence Fingerprint Technique in an Analytical Chemistry Laboratory Experiment for Advanced Undergraduates. <i>Journal of Chemical Education</i> , <b>2022</b> , 99, 932-940	2.4	0