

Deng Shubo

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8239553/publications.pdf>

Version: 2024-02-01

152
papers

13,433
citations

16451
64
h-index

24258
110
g-index

154
all docs

154
docs citations

154
times ranked

11021
citing authors

#	ARTICLE	IF	CITATIONS
1	Adsorption behavior and mechanism of perfluorinated compounds on various adsorbents—A review. <i>Journal of Hazardous Materials</i> , 2014, 274, 443-454.	12.4	705
2	Sorption of perfluorooctane sulfonate and perfluorooctanoate on activated carbons and resin: Kinetic and isotherm study. <i>Water Research</i> , 2009, 43, 1150-1158.	11.3	619
3	First Report of a Chinese PFOS Alternative Overlooked for 30 Years: Its Toxicity, Persistence, and Presence in the Environment. <i>Environmental Science & Technology</i> , 2013, 47, 10163-10170.	10.0	399
4	Granular Bamboo-Derived Activated Carbon for High CO ₂ Adsorption: The Dominant Role of Narrow Micropores. <i>ChemSusChem</i> , 2012, 5, 2354-2360.	6.8	331
5	Polyethylenimine-Modified Fungal Biomass as a High-Capacity Biosorbent for Cr(VI) Anions: Sorption Capacity and Uptake Mechanisms. <i>Environmental Science & Technology</i> , 2005, 39, 8490-8496.	10.0	318
6	Regeneration of chitosan-based adsorbents used in heavy metal adsorption: A review. <i>Separation and Purification Technology</i> , 2019, 224, 373-387.	7.9	314
7	Preparation of ultrafine magnetic biochar and activated carbon for pharmaceutical adsorption and subsequent degradation by ball milling. <i>Journal of Hazardous Materials</i> , 2016, 305, 156-163.	12.4	305
8	Selective removal of perfluorooctane sulfonate from aqueous solution using chitosan-based molecularly imprinted polymer adsorbents. <i>Water Research</i> , 2008, 42, 3089-3097.	11.3	281
9	Removal of perfluorooctane sulfonate from wastewater by anion exchange resins: Effects of resin properties and solution chemistry. <i>Water Research</i> , 2010, 44, 5188-5195.	11.3	263
10	As(V) and As(III) removal from water by a Ce-Ti oxide adsorbent: Behavior and mechanism. <i>Chemical Engineering Journal</i> , 2010, 161, 106-113.	12.7	258
11	Degradation of Ofloxacin by Perylene Diimide Supramolecular Nanofiber Sunlight-Driven Photocatalysis. <i>Environmental Science & Technology</i> , 2019, 53, 1564-1575.	10.0	235
12	Sorption mechanisms of perfluorinated compounds on carbon nanotubes. <i>Environmental Pollution</i> , 2012, 168, 138-144.	7.5	231
13	Enhanced adsorption of perfluorooctane sulfonate and perfluorooctanoate by bamboo-derived granular activated carbon. <i>Journal of Hazardous Materials</i> , 2015, 282, 150-157.	12.4	217
14	Superior CO ₂ adsorption on pine nut shell-derived activated carbons and the effective micropores at different temperatures. <i>Chemical Engineering Journal</i> , 2014, 253, 46-54.	12.7	210
15	Removal of perfluorinated carboxylates from washing wastewater of perfluorooctanesulfonyl fluoride using activated carbons and resins. <i>Journal of Hazardous Materials</i> , 2015, 286, 136-143.	12.4	189
16	Destruction of Perfluorooctane Sulfonate (PFOS) and Perfluorooctanoic Acid (PFOA) by Ball Milling. <i>Environmental Science & Technology</i> , 2013, 47, 6471-6477.	10.0	183
17	Occurrence and source apportionment of pharmaceuticals and personal care products in the Beiyun River of Beijing, China. <i>Chemosphere</i> , 2015, 119, 1033-1039.	8.2	180
18	Mn-Ce oxide as a high-capacity adsorbent for fluoride removal from water. <i>Journal of Hazardous Materials</i> , 2011, 186, 1360-1366.	12.4	179

#	ARTICLE	IF	CITATIONS
19	Production of a biofloculant by <i>Aspergillus parasiticus</i> and its application in dye removal. <i>Colloids and Surfaces B: Biointerfaces</i> , 2005, 44, 179-186.	5.0	169
20	Novel crosslinked chitosan for enhanced adsorption of hexavalent chromium in acidic solution. <i>Chemical Engineering Journal</i> , 2018, 347, 782-790.	12.7	165
21	Ball Milling Synthesized MnO ₂ as Highly Active Catalyst for Gaseous POPs Removal: Significance of Mechanochemically Induced Oxygen Vacancies. <i>Environmental Science & Technology</i> , 2015, 49, 4473-4480.	10.0	164
22	Removal of perfluorooctane sulfonate from aqueous solution by crosslinked chitosan beads: Sorption kinetics and uptake mechanism. <i>Bioresource Technology</i> , 2011, 102, 2265-2271.	9.6	160
23	Competitive adsorption of perfluoroalkyl substances on anion exchange resins in simulated AFFF-impacted groundwater. <i>Chemical Engineering Journal</i> , 2018, 348, 494-502.	12.7	150
24	Degradation of the anti-inflammatory drug ibuprofen by electro-peroxone process. <i>Water Research</i> , 2014, 63, 81-93.	11.3	148
25	Comparison of pharmaceutical abatement in various water matrices by conventional ozonation, peroxone (O ₃ /H ₂ O ₂), and an electro-peroxone process. <i>Water Research</i> , 2018, 130, 127-138.	11.3	147
26	Preparation of Al ³⁺ /Ce hybrid adsorbent and its application for defluoridation of drinking water. <i>Journal of Hazardous Materials</i> , 2010, 179, 424-430.	12.4	146
27	Characterization of pharmaceutically active compounds in Dongting Lake, China: Occurrence, chiral profiling and environmental risk. <i>Science of the Total Environment</i> , 2016, 557-558, 268-275.	8.0	139
28	Stable Covalent Organic Frameworks as Efficient Adsorbents for High and Selective Removal of an Aryl-Organophosphorus Flame Retardant from Water. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 30265-30272.	8.0	138
29	Characterization of pharmaceutically active compounds in Beijing, China: Occurrence pattern, spatiotemporal distribution and its environmental implication. <i>Journal of Hazardous Materials</i> , 2017, 323, 147-155.	12.4	135
30	Activated carbons and amine-modified materials for carbon dioxide capture – a review. <i>Frontiers of Environmental Science and Engineering</i> , 2013, 7, 326-340.	6.0	134
31	Degradation of sulfamethazine by persulfate activated with organo-montmorillonite supported nano-zero valent iron. <i>Chemical Engineering Journal</i> , 2019, 361, 99-108.	12.7	130
32	Can the commonly used quenching method really evaluate the role of reactive oxygen species in pollutant abatement during catalytic ozonation?. <i>Water Research</i> , 2022, 215, 118275.	11.3	126
33	Activated carbons prepared from peanut shell and sunflower seed shell for high CO ₂ adsorption. <i>Adsorption</i> , 2015, 21, 125-133.	3.0	124
34	Integrated adsorption and visible-light photodegradation of aqueous clofibric acid and carbamazepine by a Fe-based metal-organic framework. <i>Chemical Engineering Journal</i> , 2017, 330, 157-165.	12.7	123
35	Adsorption behavior and mechanism of emerging perfluoro-2-propoxypropanoic acid (GenX) on activated carbons and resins. <i>Chemical Engineering Journal</i> , 2019, 364, 132-138.	12.7	121
36	Sorption of perfluorooctane sulfonate on organo-montmorillonites. <i>Chemosphere</i> , 2010, 78, 688-694.	8.2	119

#	ARTICLE	IF	CITATIONS
37	Removal of pharmaceuticals from secondary effluents by an electro-peroxone process. Water Research, 2016, 88, 826-835.	11.3	118
38	Ozonation of trimethoprim in aqueous solution: Identification of reaction products and their toxicity. Water Research, 2013, 47, 2863-2872.	11.3	115
39	Au(III) adsorption and reduction to gold particles on cost-effective tannin acid immobilized dialdehyde corn starch. Chemical Engineering Journal, 2019, 370, 228-236.	12.7	113
40	Adsorption and catalytic oxidation of pharmaceuticals by nitrogen-doped reduced graphene oxide/Fe ₃ O ₄ nanocomposite. Chemical Engineering Journal, 2018, 341, 361-370.	12.7	111
41	A comparative study of rigid and flexible MOFs for the adsorption of pharmaceuticals: Kinetics, isotherms and mechanisms. Journal of Hazardous Materials, 2018, 359, 248-257.	12.4	111
42	Mechanisms of enhanced total organic carbon elimination from oxalic acid solutions by electro-peroxone process. Water Research, 2015, 80, 20-29.	11.3	110
43	Contaminants of emerging concern in landfill leachate in China: A review. Emerging Contaminants, 2018, 4, 1-10.	4.9	108
44	The electro-peroxone process for the abatement of emerging contaminants: Mechanisms, recent advances, and prospects. Chemosphere, 2018, 208, 640-654.	8.2	105
45	Preparation, characterization and application of a Ce-Ti oxide adsorbent for enhanced removal of arsenate from water. Journal of Hazardous Materials, 2010, 179, 1014-1021.	12.4	99
46	Characterization and human exposure assessment of organophosphate flame retardants in indoor dust from several microenvironments of Beijing, China. Chemosphere, 2016, 150, 465-471.	8.2	99
47	Adsorptive removal of emerging polyfluoroalkyl substances F-53B and PFOS by anion-exchange resin: A comparative study. Journal of Hazardous Materials, 2017, 323, 550-557.	12.4	99
48	Activation of persulfate by modified drinking water treatment residuals for sulfamethoxazole degradation. Chemical Engineering Journal, 2018, 353, 490-498.	12.7	98
49	Efficient degradation of carbamazepine by organo-montmorillonite supported nCoFe ₂ O ₄ -activated peroxydisulfate process. Chemical Engineering Journal, 2019, 368, 824-836.	12.7	98
50	Adsorption of perfluorinated compounds on aminated rice husk prepared by atom transfer radical polymerization. Chemosphere, 2013, 91, 124-130.	8.2	97
51	Differences in the seasonal variation of brominated and phosphorus flame retardants in office dust. Environment International, 2014, 65, 100-106.	10.0	97
52	Typical pharmaceuticals in major WWTPs in Beijing, China: Occurrence, load pattern and calculation reliability. Water Research, 2018, 140, 291-300.	11.3	89
53	Enhanced Adsorption of Arsenate on the Aminated Fibers: Sorption Behavior and Uptake Mechanism. Langmuir, 2008, 24, 10961-10967.	3.5	84
54	CO ₂ adsorption on crab shell derived activated carbons: contribution of micropores and nitrogen-containing groups. RSC Advances, 2015, 5, 48323-48330.	3.6	81

#	ARTICLE	IF	CITATIONS
55	Emission Inventory for PFOS in China: Review of Past Methodologies and Suggestions. Scientific World Journal, The, 2011, 11, 1963-1980.	2.1	80
56	Prediction of micropollutant abatement during homogeneous catalytic ozonation by a chemical kinetic model. Water Research, 2018, 142, 383-395.	11.3	79
57	Occurrence of organophosphorus flame retardants on skin wipes: Insight into human exposure from dermal absorption. Environment International, 2017, 98, 113-119.	10.0	78
58	Selective and Fast Adsorption of Perfluorooctanesulfonate from Wastewater by Magnetic Fluorinated Vermiculite. Environmental Science & Technology, 2017, 51, 8027-8035.	10.0	76
59	Highly efficient removal of enrofloxacin by magnetic montmorillonite via adsorption and persulfate oxidation. Chemical Engineering Journal, 2019, 360, 1119-1127.	12.7	75
60	Understanding the adsorption of sulfonamide antibiotics on MIL-53s: Metal dependence of breathing effect and adsorptive performance in aqueous solution. Journal of Colloid and Interface Science, 2019, 535, 159-168.	9.4	75
61	The competition between cathodic oxygen and ozone reduction and its role in dictating the reaction mechanisms of an electro-peroxone process. Water Research, 2017, 118, 26-38.	11.3	73
62	Nanoscale zero valent iron-activated persulfate coupled with Fenton oxidation process for typical pharmaceuticals and personal care products degradation. Separation and Purification Technology, 2020, 239, 116534.	7.9	73
63	Removal of micropollutants by an electrochemically driven UV/chlorine process for decentralized water treatment. Water Research, 2020, 183, 116115.	11.3	69
64	Role of Air Bubbles Overlooked in the Adsorption of Perfluorooctanesulfonate on Hydrophobic Carbonaceous Adsorbents. Environmental Science & Technology, 2014, 48, 13785-13792.	10.0	68
65	Electro-peroxone treatment of the antidepressant venlafaxine: Operational parameters and mechanism. Journal of Hazardous Materials, 2015, 300, 298-306.	12.4	68
66	Perchlorate formation during the electro-peroxone treatment of chloride-containing water: Effects of operational parameters and control strategies. Water Research, 2016, 88, 691-702.	11.3	68
67	Efficient removal of perfluorinated compounds from water using a regenerable magnetic activated carbon. Chemosphere, 2019, 224, 187-194.	8.2	68
68	Adsorption behavior and mechanism of perfluorooctane sulfonate on nanosized inorganic oxides. Journal of Colloid and Interface Science, 2016, 474, 199-205.	9.4	66
69	Removal of perfluorooctanoate from surface water by polyaluminium chloride coagulation. Water Research, 2011, 45, 1774-1780.	11.3	65
70	Enhanced removal of pentachlorophenol and 2,4-D from aqueous solution by an aminated biosorbent. Journal of Hazardous Materials, 2009, 165, 408-414.	12.4	61
71	As(III) and As(V) adsorption on nanocomposite of hydrated zirconium oxide coated carbon nanotubes. Journal of Colloid and Interface Science, 2018, 511, 277-284.	9.4	61
72	Regeneration of Chitosan-Based Adsorbents for Eliminating Dyes from Aqueous Solutions. Separation and Purification Reviews, 2019, 48, 1-13.	5.5	60

#	ARTICLE	IF	CITATIONS
73	Ozonation of indomethacin: Kinetics, mechanisms and toxicity. Journal of Hazardous Materials, 2017, 323, 460-470.	12.4	59
74	Adsorptive recovery of Au(III) from aqueous solution using crosslinked polyethyleneimine resins. Chemosphere, 2020, 241, 125122.	8.2	57
75	Cationic covalent organic framework for efficient removal of PFOA substitutes from aqueous solution. Chemical Engineering Journal, 2021, 412, 127509.	12.7	54
76	First assessment on degradability of sodium p-perfluorooctane sulfonate (OPS), a high volume alternative to perfluorooctane sulfonate in fire-fighting foams and oil production agents in China. RSC Advances, 2017, 7, 46948-46957.	3.6	53
77	Fate and removal of typical pharmaceutical and personal care products in a wastewater treatment plant from Beijing: a mass balance study. Frontiers of Environmental Science and Engineering, 2016, 10, 491-501.	6.0	51
78	Estimating the use of antibiotics for humans across China. Chemosphere, 2016, 144, 1384-1390.	8.2	51
79	Hydrophilic and strengthened 3D reduced graphene oxide/nano-Fe ₃ O ₄ hybrid hydrogel for enhanced adsorption and catalytic oxidation of typical pharmaceuticals. Environmental Science: Nano, 2018, 5, 1650-1660.	4.3	51
80	Characterization and demulsification of produced liquid from weak base ASP flooding. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2006, 290, 164-171.	4.7	50
81	Efficient removal of perfluorooctane sulfonate from aqueous film-forming foam solution by aeration-foam collection. Chemosphere, 2018, 203, 263-270.	8.2	50
82	Effects of microplastics on the uptake, distribution and biotransformation of chiral antidepressant venlafaxine in aquatic ecosystem. Journal of Hazardous Materials, 2018, 359, 104-112.	12.4	50
83	Removal of low concentrations of nickel ions in electroplating wastewater by combination of electrodialysis and electrodeposition. Chemosphere, 2021, 263, 128208.	8.2	49
84	Mechanochemical degradation of hexabromocyclododecane and approaches for the remediation of its contaminated soil. Chemosphere, 2014, 116, 40-45.	8.2	47
85	Preparation of regenerable granular carbon nanotubes by a simple heating-filtration method for efficient removal of typical pharmaceuticals. Chemical Engineering Journal, 2016, 294, 353-361.	12.7	47
86	Defect engineered oxides for enhanced mechanochemical destruction of halogenated organic pollutants. Chemosphere, 2017, 184, 879-883.	8.2	47
87	Decomplexation removal of Ni(II)-citrate complexes through heterogeneous Fenton-like process using novel CuO-CeO ₂ -CoOx composite nanocatalyst. Journal of Hazardous Materials, 2019, 374, 167-176.	12.4	46
88	Characterization of suspended solids in produced water in Daqing oilfield. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2009, 332, 63-69.	4.7	42
89	Preparation of porous graphene oxide by chemically intercalating a rigid molecule for enhanced removal of typical pharmaceuticals. Carbon, 2017, 119, 101-109.	10.3	42
90	Linking the environmental loads to the fate of PPCPs in Beijing: Considering both the treated and untreated wastewater sources. Environmental Pollution, 2015, 202, 153-159.	7.5	40

#	ARTICLE	IF	CITATIONS
91	Adsorptive removal of organophosphate flame retardants from water by non-ionic resins. Chemical Engineering Journal, 2018, 354, 105-112.	12.7	40
92	Novel insights into the competitive adsorption behavior and mechanism of per- and polyfluoroalkyl substances on the anion-exchange resin. Journal of Colloid and Interface Science, 2019, 557, 655-663.	9.4	40
93	Estimation of human exposure to halogenated flame retardants through dermal adsorption by skin wipe. Chemosphere, 2017, 168, 272-278.	8.2	39
94	Selective sorption of perfluorooctane sulfonate on molecularly imprinted polymer adsorbents. Frontiers of Environmental Science and Engineering in China, 2009, 3, 171-177.	0.8	38
95	Highly efficient removal of hexavalent chromium from electroplating wastewater using aminated wheat straw. RSC Advances, 2016, 6, 8797-8805.	3.6	38
96	Modelling of emerging contaminant removal during heterogeneous catalytic ozonation using chemical kinetic approaches. Journal of Hazardous Materials, 2019, 380, 120888.	12.4	38
97	Removal of fluoride from water using titanium-based adsorbents. Frontiers of Environmental Science and Engineering in China, 2010, 4, 414-420.	0.8	37
98	Mechanochemical destruction of decabromodiphenyl ether into visible light photocatalyst BiOBr. RSC Advances, 2014, 4, 14719-14724.	3.6	37
99	Efficient degradation of typical pharmaceuticals in water using a novel TiO ₂ /ONLH nano-photocatalyst under natural sunlight. Journal of Hazardous Materials, 2021, 403, 123582.	12.4	37
100	A primary estimate of global PCDD/F release based on the quantity and quality of national economic and social activities. Chemosphere, 2016, 151, 303-309.	8.2	36
101	Powdered activated coke for COD removal in the advanced treatment of mixed chemical wastewaters and regeneration by Fenton oxidation. Chemical Engineering Journal, 2019, 371, 631-638.	12.7	36
102	Adsorption of perfluorooctane sulfonate on carbon nanotubes: influence of pH and competitive ions. Water Science and Technology, 2014, 69, 1489-1495.	2.5	35
103	Emission of unintentionally produced persistent organic pollutants (UPOPs) from municipal waste incinerators in China. Chemosphere, 2016, 158, 17-23.	8.2	35
104	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. Chemical Engineering Journal, 2021, 423, 129789.	12.7	35
105	Effects of zero-valent metals together with quartz sand on the mechanochemical destruction of dechlorane plus coground in a planetary ball mill. Journal of Hazardous Materials, 2014, 264, 230-235.	12.4	34
106	Intercalation of rigid molecules between carbon nanotubes for adsorption enhancement of typical pharmaceuticals. Chemical Engineering Journal, 2018, 332, 102-108.	12.7	34
107	Preparation of aminated cross-linked chitosan beads for efficient adsorption of hexavalent chromium. International Journal of Biological Macromolecules, 2019, 139, 352-360.	7.5	34
108	Calcined electroplating sludge as a novel bifunctional material for removing Ni(II)-citrate in electroplating wastewater. Journal of Cleaner Production, 2020, 262, 121416.	9.3	34

#	ARTICLE	IF	CITATIONS
109	Combination of ozonation and electrolysis process to enhance elimination of thirty structurally diverse pharmaceuticals in aqueous solution. <i>Journal of Hazardous Materials</i> , 2019, 368, 281-291.	12.4	33
110	Granular reduced graphene oxide/Fe ₃ O ₄ hydrogel for efficient adsorption and catalytic oxidation of p-perfluorous nonenoxbenzene sulfonate. <i>Journal of Hazardous Materials</i> , 2020, 386, 121662.	12.4	33
111	Effect of co-existing organic compounds on adsorption of perfluorinated compounds onto carbon nanotubes. <i>Frontiers of Environmental Science and Engineering</i> , 2015, 9, 784-792.	6.0	32
112	Bromate removal from water by polypyrrole tailored activated carbon. <i>Journal of Colloid and Interface Science</i> , 2016, 467, 10-16.	9.4	32
113	Occurrence, elimination, enantiomeric distribution and intra-day variations of chiral pharmaceuticals in major wastewater treatment plants in Beijing, China. <i>Environmental Pollution</i> , 2018, 239, 473-482.	7.5	32
114	Recovery of Ni(II) from real electroplating wastewater using fixed-bed resin adsorption and subsequent electrodeposition. <i>Frontiers of Environmental Science and Engineering</i> , 2019, 13, 1.	6.0	32
115	Superhigh adsorption of perfluorooctane sulfonate on aminated polyacrylonitrile fibers with the assistance of air bubbles. <i>Chemical Engineering Journal</i> , 2017, 315, 108-114.	12.7	31
116	Effect of high energy ball milling on organic pollutant adsorption properties of chitosan. <i>International Journal of Biological Macromolecules</i> , 2020, 148, 543-549.	7.5	31
117	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> , 2017, 488, 142-148.	9.4	29
118	Efficient removal of CO ₂ from indoor air using a polyethyleneimine-impregnated resin and its low-temperature regeneration. <i>Chemical Engineering Journal</i> , 2020, 399, 125734.	12.7	29
119	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> , 2009, 54, 4633-4643.	9.0	25
120	Removal of clofibric acid from aqueous solution by polyethylenimine-modified chitosan beads. <i>Frontiers of Environmental Science and Engineering</i> , 2014, 8, 675-682.	6.0	25
121	Unveiling formation mechanism of carcinogenic N-nitrosodimethylamine in ozonation of dimethylamine: A density functional theoretical investigation. <i>Journal of Hazardous Materials</i> , 2014, 279, 330-335.	12.4	23
122	Elucidating ozonation mechanisms of organic micropollutants based on DFT calculations: Taking sulfamethoxazole as a case. <i>Environmental Pollution</i> , 2017, 220, 971-980.	7.5	23
123	Regeneration of PFOS loaded activated carbon by hot water and subsequent aeration enrichment of PFOS from eluent. <i>Carbon</i> , 2018, 134, 199-206.	10.3	23
124	Role of the air-water interface in removing perfluoroalkyl acids from drinking water by activated carbon treatment. <i>Journal of Hazardous Materials</i> , 2020, 386, 121981.	12.4	23
125	Mechanochemical conversion of brominated POPs into useful oxybromides: a greener approach. <i>Scientific Reports</i> , 2016, 6, 28394.	3.3	22
126	Effective mineralization of anti-epilepsy drug carbamazepine in aqueous solution by simultaneously electro-generated H ₂ O ₂ /O ₃ process. <i>Electrochimica Acta</i> , 2018, 290, 203-210.	5.2	22

#	ARTICLE	IF	CITATIONS
127	Rapid Removal of Perfluoroalkanesulfonates from Water by β -Cyclodextrin Covalent Organic Frameworks. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 48700-48708.	8.0	22
128	Degradation of OBS (Sodium <i>p</i> -Perfluorooctanesulfonate) as a Novel Per- and Polyfluoroalkyl Substance by UV/Persulfate and UV/Sulfite: Fluorinated Intermediates and Treatability in Fluoroprotein Foam. <i>Environmental Science & Technology</i> , 2022, 56, 6201-6211.	10.0	22
129	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> , 2019, 13, 1.	6.0	21
130	Adsorption behavior and mechanism of Au(III) on caffeic acid functionalized viscose staple fibers. <i>Chemosphere</i> , 2020, 253, 126704.	8.2	21
131	Removal of low concentrations of nickel ions in electroplating wastewater using capacitive deionization technology. <i>Chemosphere</i> , 2021, 284, 131341.	8.2	21
132	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> , 2017, 144, 537-542.	6.0	19
133	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> , 2020, 264, 114753.	7.5	18
134	Removal of low-concentration nickel in electroplating wastewater via incomplete decomplexation by ozonation and subsequent resin adsorption. <i>Chemical Engineering Journal</i> , 2022, 435, 134923.	12.7	18
135	Mechanochemical synthesis of catalysts and reagents for water decontamination: Recent advances and perspective. <i>Science of the Total Environment</i> , 2022, 825, 153992.	8.0	17
136	Unintentional formed PCDDs, PCDFs, and DL-PCBs as impurities in Chinese pentachloronitrobenzene products. <i>Environmental Science and Pollution Research</i> , 2015, 22, 14462-14470.	5.3	16
137	Preparation of magnetic powdered carbon/nano-Fe ₃ O ₄ composite for efficient adsorption and degradation of trichloropropyl phosphate from water. <i>Journal of Hazardous Materials</i> , 2021, 416, 125765.	12.4	15
138	Ozonation of the algaecide irgarol: Kinetics, transformation products, and toxicity. <i>Chemosphere</i> , 2019, 236, 124374.	8.2	14
139	Effect of hydro-oleophobic perfluorocarbon chain on interfacial behavior and mechanism of perfluorooctane sulfonate in oil-water mixture. <i>Scientific Reports</i> , 2017, 7, 44694.	3.3	13
140	Effective Breaking of the Fluorocarbon Chain by the Interface Bi ₂ O ₃ -PFOA Complex Strategy via Coordinated Se on Construction of the Internal Photogenerated Carrier Pathway. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 654-667.	8.0	13
141	Bioanalytical characterization of dioxin-like activity in sewage sludge from Beijing, China. <i>Chemosphere</i> , 2009, 75, 649-653.	8.2	12
142	Preparation of magnetic covalent triazine frameworks by ball milling for efficient removal of PFOS and PFOA substitutes from water. <i>Environmental Science: Nano</i> , 2022, 9, 1466-1475.	4.3	12
143	Removal of Humic Acid Using PEI-Modified Fungal Biomass. <i>Separation Science and Technology</i> , 2006, 41, 2989-3002.	2.5	11
144	Contribution of Nanobubbles for PFAS Adsorption on Graphene and OH ⁻ - and NH ₂ -Functionalized Graphene: Comparing Simulations with Experimental Results. <i>Environmental Science & Technology</i> , 2021, 55, 13254-13263.	10.0	11

#	ARTICLE	IF	CITATIONS
145	Relationship between Oxidation Products and Estrogenic Activity during Ozonation of 4-Nonylphenol. <i>Ozone: Science and Engineering</i> , 2008, 30, 120-126.	2.5	9
146	Rapid mechanochemical synthesis of VOx/TiO2 as highly active catalyst for HCB removal. <i>Chemosphere</i> , 2015, 141, 197-204.	8.2	9
147	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> , 2018, 25, 31799-31804.	5.3	8
148	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> , 2022, 99, 932-940.	2.3	8
149	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> , 2011, 91, 1135-1150.	3.3	4
150	Advanced materials: adsorbent and catalyst for environmental application. <i>Frontiers of Environmental Science and Engineering</i> , 2013, 7, 301-301.	6.0	3
151	Environmental applications and implications of nanotechnologies. <i>Frontiers of Environmental Science and Engineering</i> , 2015, 9, 745-745.	6.0	2
152	Regenerable magnetic octahedral layer catalyst for gaseous UPOPs removal. <i>Journal of Hazardous Materials</i> , 2014, 280, 627-635.	12.4	1