

Weiling Sun

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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.

92
papers

2,921
citations

29
h-index

52
g-index

96
ext. papers

3,667
ext. citations

8.7
avg, IF

5.62
L-index

#	Paper	IF	Citations
92	Adsorption behavior of methylene blue onto titanate nanotubes. <i>Chemical Engineering Journal</i> , 2010 , 156, 313-320	14.7	284
91	A duodecennial national synthesis of antibiotics in China's major rivers and seas (2005-2016). <i>Science of the Total Environment</i> , 2018 , 615, 906-917	10.2	197
90	Sorption of mercury (II) and atrazine by biochar, modified biochars and biochar based activated carbon in aqueous solution. <i>Bioresource Technology</i> , 2016 , 211, 727-35	11	195
89	Adsorption of sulfamethoxazole and 17 β -estradiol by carbon nanotubes/CoFe ₂ O ₄ composites. <i>Chemical Engineering Journal</i> , 2015 , 274, 17-29	14.7	107
88	Removal of Se(IV) and Se(VI) by MFe ₂ O ₄ nanoparticles from aqueous solution. <i>Chemical Engineering Journal</i> , 2015 , 273, 353-362	14.7	100
87	Adsorption mechanisms of ibuprofen and naproxen to UiO-66 and UiO-66-NH ₂ : Batch experiment and DFT calculation. <i>Chemical Engineering Journal</i> , 2019 , 360, 645-653	14.7	90
86	Antibiotics in water and sediments of rivers and coastal area of Zhuhai City, Pearl River estuary, south China. <i>Science of the Total Environment</i> , 2018 , 636, 1009-1019	10.2	85
85	Value-added utilization of yak milk casein for the production of angiotensin-I-converting enzyme inhibitory peptides. <i>Food Chemistry</i> , 2007 , 103, 1282-1287	8.5	77
84	Comparison on aggregation and sedimentation of titanium dioxide, titanate nanotubes and titanate nanotubes-TiO ₂ : Influence of pH, ionic strength and natural organic matter. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2013 , 434, 319-328	5.1	74
83	Simultaneous removal of Cr(VI) and 4-chlorophenol through photocatalysis by a novel anatase/titanate nanosheet composite: Synergetic promotion effect and autosynchronous doping. <i>Journal of Hazardous Materials</i> , 2016 , 317, 385-393	12.8	73
82	Adsorption of Cu(II) and Cd(II) on titanate nanomaterials synthesized via hydrothermal method under different NaOH concentrations: Role of sodium content. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2014 , 452, 138-147	5.1	72
81	Heterogeneous photocatalysis of methylene blue over titanate nanotubes: effect of adsorption. <i>Journal of Colloid and Interface Science</i> , 2011 , 356, 211-6	9.3	70
80	Effect of carbon nanotubes on Cd(II) adsorption by sediments. <i>Chemical Engineering Journal</i> , 2015 , 264, 645-653	14.7	64
79	Comparing the effects of different oxygen-containing functional groups on sulfonamides adsorption by carbon nanotubes: Experiments and theoretical calculation. <i>Chemical Engineering Journal</i> , 2017 , 312, 167-179	14.7	64
78	Effect of natural organic matter (NOM) on Cu(II) adsorption by multi-walled carbon nanotubes: Relationship with NOM properties. <i>Chemical Engineering Journal</i> , 2012 , 200-202, 627-636	14.7	61
77	Comparison kinetics studies of Cu(II) adsorption by multi-walled carbon nanotubes in homo and heterogeneous systems: Effect of nano-SiO ₂ . <i>Chemical Engineering Journal</i> , 2014 , 250, 119-127	14.7	57
76	pH-dependent sulfonamides adsorption by carbon nanotubes with different surface oxygen contents. <i>Chemical Engineering Journal</i> , 2015 , 279, 363-371	14.7	56

75	Adsorption of organic pollutants from coking and papermaking wastewaters by bottom ash. <i>Journal of Hazardous Materials</i> , 2008 , 154, 595-601	12.8	56
74	Experimental and theoretical investigations on Se(IV) and Se(VI) adsorption to UiO-66-based metal-organic frameworks. <i>Environmental Science: Nano</i> , 2018 , 5, 1441-1453	7.1	55
73	Titanium dioxide mediated photocatalytic degradation of 17beta-estradiol in aqueous solution. <i>Chemosphere</i> , 2008 , 73, 600-6	8.4	49
72	Antibiotics in water and sediments of Danjiangkou Reservoir, China: Spatiotemporal distribution and indicator screening. <i>Environmental Pollution</i> , 2019 , 246, 435-442	9.3	48
71	Adsorption of 17Estradiol by multi-walled carbon nanotubes in natural waters with or without aquatic colloids. <i>Chemical Engineering Journal</i> , 2014 , 258, 185-193	14.7	46
70	A comparative study on aggregation/sedimentation of TiO2 nanoparticles in mono- and binary systems of fulvic acids and Fe(III). <i>Journal of Hazardous Materials</i> , 2011 , 197, 70-9	12.8	45
69	Occurrence and removal of antibiotics and antibiotic resistance genes in natural and constructed riverine wetlands in Beijing, China. <i>Science of the Total Environment</i> , 2019 , 664, 546-553	10.2	45
68	Effects of natural minerals on the adsorption of 17Estradiol and bisphenol A on graphene oxide and reduced graphene oxide. <i>Environmental Science: Nano</i> , 2017 , 4, 1377-1388	7.1	39
67	Size-dependent impact of inorganic nanoparticles on sulfamethoxazole adsorption by carbon nanotubes. <i>Chemical Engineering Journal</i> , 2017 , 316, 160-170	14.7	35
66	Determination of tertiary butylhydroquinone in edible vegetable oil by liquid chromatography/ion trap mass spectrometry. <i>Food Chemistry</i> , 2007 , 105, 1732-1737	8.5	34
65	LSEER model for organic compounds adsorption by single-walled carbon nanotubes: Comparison with multi-walled carbon nanotubes and activated carbon. <i>Environmental Pollution</i> , 2015 , 206, 652-60	9.3	33
64	Effect of inorganic nanoparticles on 17Estradiol and 17Ethinylestradiol adsorption by multi-walled carbon nanotubes. <i>Environmental Pollution</i> , 2015 , 205, 111-20	9.3	29
63	Biosorption behavior and mechanism of beryllium from aqueous solution by aerobic granule. <i>Chemical Engineering Journal</i> , 2011 , 172, 783-783	14.7	29
62	Occurrence and distribution of antibiotic resistance genes in the sediments of drinking water sources, urban rivers, and coastal areas in Zhuhai, China. <i>Environmental Science and Pollution Research</i> , 2018 , 25, 26209-26217	5.1	28
61	Effect of natural aquatic colloids on Cu(II) and Pb(II) adsorption by Al2O3 nanoparticles. <i>Chemical Engineering Journal</i> , 2013 , 225, 464-473	14.7	27
60	Immobilization of Heavy Metals by Solidification/Stabilization of Co-Disposed Flue Gas Desulfurization Brine and Coal Fly Ash. <i>Energy & Fuels</i> , 2016 , 30, 5042-5051	4.1	26
59	Assessment of heavy metal pollution in sediments from Xiangjiang River (China) using sequential extraction and lead isotope analysis. <i>Journal of Central South University</i> , 2014 , 21, 2349-2358	2.1	25
58	Initial photocatalytic degradation intermediates/pathways of 17alpha-ethinylestradiol: effect of pH and methanol. <i>Chemosphere</i> , 2010 , 81, 92-9	8.4	25

57	Removal of 17 β -Estradiol in a bio-electro-Fenton system: contribution of oxidation and generation of hydroxyl radicals with the Fenton reaction and carbon felt cathode. <i>RSC Advances</i> , 2015 , 5, 56832-56840	3.7	24
56	Sediments inhibit adsorption of 17 β -Estradiol and 17 β -Ethinylestradiol to carbon nanotubes and graphene oxide. <i>Environmental Science: Nano</i> , 2017 , 4, 1900-1910	7.1	23
55	Trace metals in sediments and aquatic plants from the Xiangjiang River, China. <i>Journal of Soils and Sediments</i> , 2012 , 12, 1649-1657	3.4	23
54	Spatiotemporal distribution, sources and ecological risks of perfluorinated compounds (PFCs) in the Guanlan River from the rapidly urbanizing areas of Shenzhen, China. <i>Chemosphere</i> , 2020 , 245, 125637	8.4	23
53	Production of diosgenin from yellow ginger (<i>Dioscorea zingiberensis</i> C. H. Wright) saponins by commercial cellulase. <i>World Journal of Microbiology and Biotechnology</i> , 2010 , 26, 1171-80	4.4	22
52	Effects of Fe ₂ O ₃ and ZnO nanoparticles on 17 β -Estradiol adsorption to carbon nanotubes. <i>Chemical Engineering Journal</i> , 2017 , 326, 1134-1144	14.7	21
51	Photocatalytic degradation of 17 β -Ethinylestradiol in mono- and binary systems of fulvic acid and Fe(III): Application of fluorescence excitation/emission matrixes. <i>Chemical Engineering Journal</i> , 2014 , 237, 101-108	14.7	21
50	Photocatalytic degradation of bisphenol A using Ti-substituted hydroxyapatite. <i>Chinese Journal of Catalysis</i> , 2014 , 35, 90-98	11.3	20
49	Pollutants affect algae-bacteria interactions: A critical review. <i>Environmental Pollution</i> , 2021 , 276, 116723	3.3	18
48	Molecular insights into the effects of Cu(II) on sulfamethoxazole and 17 β -Estradiol adsorption by carbon nanotubes/CoFe ₂ O ₄ composites. <i>Chemical Engineering Journal</i> , 2019 , 373, 995-1002	14.7	17
47	A simultaneous removal of beryllium and ammonium-nitrogen from smelting wastewater in bench- and pilot-scale biological aerated filter. <i>Chemical Engineering Journal</i> , 2012 , 210, 263-270	14.7	17
46	Bio-Source of di-n-butyl phthalate production by filamentous fungi. <i>Scientific Reports</i> , 2016 , 6, 19791	4.9	17
45	Adsorption of Bisphenol A on Sediments in the Yellow River. <i>Water, Air, and Soil Pollution</i> , 2005 , 167, 353-364	2.6	16
44	Adsorption of three selected endocrine disrupting chemicals by aquatic colloids and sediments in single and binary systems. <i>Journal of Soils and Sediments</i> , 2015 , 15, 456-466	3.4	15
43	Bioavailable metal(loid)s and physicochemical features co-mediating microbial communities at combined metal(loid) pollution sites. <i>Chemosphere</i> , 2020 , 260, 127619	8.4	15
42	Sorption of Se(IV) and Se(VI) to coal fly ash/cement composite: Effect of Ca ²⁺ and high ionic strength. <i>Chemical Geology</i> , 2017 , 464, 76-83	4.2	14
41	Role of dissolved organic carbon in the cosorption of copper and phthalate esters onto Yellow River sediments. <i>Chemosphere</i> , 2007 , 69, 1419-27	8.4	14
40	Ultrafast removal of Cu(II) by a novel hierarchically structured faujasite-type zeolite fabricated from lithium silica fume. <i>Science of the Total Environment</i> , 2020 , 714, 136724	10.2	12

39	Polyfluoroalkyl substances in Danjiangkou Reservoir, China: Occurrence, composition, and source appointment. <i>Science of the Total Environment</i> , 2020 , 725, 138352	10.2	12
38	A global metabolomic insight into the oxidative stress and membrane damage of copper oxide nanoparticles and microparticles on microalga <i>Chlorella vulgaris</i> . <i>Environmental Pollution</i> , 2020 , 258, 113647	9.3	12
37	Heteroadsorption of 17β -ethynylestradiol by multi-walled carbon nanotubes and $\text{SiO}_2/\text{Al}_2\text{O}_3$ nanoparticles: Effect of surface-coated fulvic acid and alginate. <i>Chemical Engineering Journal</i> , 2016 , 288, 516-524	14.7	11
36	Effects of Copper on the Sorption of Phthalate Esters to Yellow River Sediment. <i>Water, Air, and Soil Pollution</i> , 2007 , 184, 207-216	2.6	11
35	Occurrence and risks of antibiotics in an urban river in northeastern Tibetan Plateau. <i>Scientific Reports</i> , 2020 , 10, 20054	4.9	11
34	Unraveling individual and combined toxicity of nano/microplastics and ciprofloxacin to <i>Synechocystis</i> sp. at the cellular and molecular levels. <i>Environment International</i> , 2021 , 157, 106842	12.9	11
33	Phosphate removal using compounds prepared from paper sludge and fly ash. <i>Environmental Earth Sciences</i> , 2013 , 70, 615-623	2.9	9
32	Sorption of Triton X-100 on soil organic matter fractions: kinetics and isotherms. <i>Journal of Environmental Sciences</i> , 2009 , 21, 795-800	6.4	9
31	Enrichment of antibiotics in an inland lake water. <i>Environmental Research</i> , 2020 , 190, 110029	7.9	8
30	Perfluoroalkyl substances in the Yangtze River: Changing exposure and its implications after operation of the Three Gorges Dam. <i>Water Research</i> , 2020 , 182, 115933	12.5	7
29	Impacts of municipal wastewater treatment plant discharge on microbial community structure and function of the receiving river in Northwest Tibetan Plateau. <i>Journal of Hazardous Materials</i> , 2022 , 423, 127170	12.8	7
28	Insights into interactions of Cr(III) and organic matters during adsorption onto titanate nanotubes: Differential absorbance and DFT study. <i>Journal of Molecular Liquids</i> , 2020 , 312, 113432	6	6
27	Effects of lead concentration and accumulation on the performance and microbial community of aerobic granular sludge in sequencing batch reactors. <i>Environmental Technology (United Kingdom)</i> , 2016 , 37, 2905-15	2.6	6
26	Effects of suspended sediment content on biodegradation of three common endocrine disruptors in river water. <i>Marine and Freshwater Research</i> , 2009 , 60, 758	2.2	6
25	Fluorescence evolution of leachates during treatment processes from two contrasting landfills. <i>Environmental Technology (United Kingdom)</i> , 2008 , 29, 1119-25	2.6	6
24	Response of microbial nitrogen transformation processes to antibiotic stress in a drinking water reservoir. <i>Science of the Total Environment</i> , 2021 , 797, 149119	10.2	6
23	Biodegradation of bisphenol A, 17β -estradiol, and 17α -ethynylestradiol in river water. <i>International Journal of Environment and Pollution</i> , 2011 , 45, 225	0.7	5
22	Partitioning of water soluble organic carbon in three sediment size fractions: effect of the humic substances. <i>Journal of Environmental Sciences</i> , 2009 , 21, 113-9	6.4	5

21	Interactions between antibiotics and heavy metals determine their combined toxicity to <i>Synechocystis</i> sp. <i>Journal of Hazardous Materials</i> , 2021 , 424, 127707	12.8	5
20	Carbon nanotubes influence the toxic effects of chloramphenicol and tetracycline on cyanobacterium <i>Synechocystis</i> sp. in different ways. <i>Environmental Science: Nano</i> , 2021 , 8, 634-646	7.1	5
19	Effect of Ca ²⁺ and Na ⁺ on the sorption of three selected endocrine disruptors to sediments. <i>Marine and Freshwater Research</i> , 2009 , 60, 767	2.2	4
18	Carbon nanotubes affect the formation of trihalomethanes during chlorination of bisphenol A. <i>Chemical Engineering Journal</i> , 2019 , 370, 337-345	14.7	3
17	Comparing the effects of different types of inorganic nanoparticles on 17 β -estradiol adsorption by graphene oxide. <i>Environmental Research</i> , 2020 , 187, 109656	7.9	3
16	Hydrogen bonding rather than cation bridging promotes graphene oxide attachment to lipid membranes in the presence of heavy metals. <i>Environmental Science: Nano</i> , 2020 , 7, 2240-2251	7.1	3
15	Sorption of phenanthrene on to soil fractions in the presence of Triton X-100. <i>Environmental Technology (United Kingdom)</i> , 2012 , 33, 321-7	2.6	3
14	Modification of chemical oxygen demand monitoring in the Yellow River, China, with a high content of sediments. <i>Water Environment Research</i> , 2007 , 79, 2336-42	2.8	3
13	Spatiotemporal distribution, risk assessment and source appointment of metal(loid)s in water and sediments of Danjiangkou Reservoir, China. <i>Environmental Geochemistry and Health</i> , 2021 , 43, 139-152	4.7	3
12	Polybrominated diphenyl ethers (PBDEs) in the Danjiangkou Reservoir, China: identification of priority PBDE congeners. <i>Environmental Science and Pollution Research</i> , 2021 , 28, 12587-12596	5.1	3
11	REMOVAL OF ARSENATE (V) BY SURFACTANT-MODIFIED ACTIVATED CARBON. <i>Environmental Engineering and Management Journal</i> , 2012 , 11, 1433-1438	0.6	2
10	Sediments alleviate the inhibition effects of antibiotics on denitrification: Functional gene, microbial community, and antibiotic resistance gene analysis. <i>Science of the Total Environment</i> , 2022 , 804, 150092	10.2	2
9	Comparison and prioritization of antibiotics in a reservoir and its inflow rivers of Beijing, China. <i>Environmental Science and Pollution Research</i> , 2021 , 1	5.1	1
8	Unveil the role of dissolved and sedimentary metal(loid)s on bacterial communities and metal resistance genes (MRGs) in an urban river of the Qinghai-Tibet Plateau.. <i>Water Research</i> , 2022 , 211, 118050	12.5	1
7	Adsorption of antibiotics onto graphene oxide imparts their antagonistic effects on <i>Synechocystis</i> sp.: model development and proteomic analysis. <i>Environmental Science: Nano</i> , 2022 , 9, 243-253	7.1	0
6	Different spatiotemporal dynamics, ecological drivers and assembly processes of bacterial, archaeal and fungal communities in brackish-saline groundwater.. <i>Water Research</i> , 2022 , 214, 118193	12.5	0
5	Photolytic Degradation of Tetracycline in the Presence of Ca(II) and/or Humic Acid. <i>Water (Switzerland)</i> , 2020 , 12, 2078	3	0
4	Exposure to trace levels of metals and fluoroquinolones increases inflammation and tumorigenesis risk of zebrafish embryos. <i>Environmental Science and Ecotechnology</i> , 2022 , 10, 100162	7.4	0

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| 3 | Occurrence, source apportionment, and pollution assessment of per- and polyfluoroalkyl substances in a river across rural and urban areas.. <i>Science of the Total Environment</i> , 2022 , 835, 155505 | 10.2 | ○ |
| 2 | Per- and polyfluoroalkyl substances (PFASs) in groundwater from a contaminated site in the North China Plain: Occurrence, source apportionment, and health risk assessment.. <i>Chemosphere</i> , 2022 , 302, 134873 | 8.4 | ○ |
| 1 | Multiple metal(loid) contamination reshaped the structure and function of soil archaeal community. <i>Journal of Hazardous Materials</i> , 2022 , 436, 129186 | 12.8 | ○ |