

# Fenglian Fu

## List of Publications by Citations

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49  
papers

7,275  
citations

20  
h-index

52  
g-index

52  
ext. papers

8,384  
ext. citations

9.2  
avg, IF

6.83  
L-index

#	Paper	IF	Citations
49	Removal of heavy metal ions from wastewaters: a review. <i>Journal of Environmental Management</i> , <b>2011</b> , 92, 407-18	7.9	5163
48	The use of zero-valent iron for groundwater remediation and wastewater treatment: a review. <i>Journal of Hazardous Materials</i> , <b>2014</b> , 267, 194-205	12.8	1017
47	Adsorption, oxidation, and reduction behavior of arsenic in the removal of aqueous As(III) by mesoporous Fe/Al bimetallic particles. <i>Water Research</i> , <b>2016</b> , 96, 22-31	12.5	104
46	Studies on the optimum conditions using acid-washed zero-valent iron/aluminum mixtures in permeable reactive barriers for the removal of different heavy metal ions from wastewater. <i>Journal of Hazardous Materials</i> , <b>2016</b> , 302, 437-446	12.8	98
45	Adsorption and redox conversion behaviors of Cr(VI) on goethite/carbon microspheres and akaganeite/carbon microspheres composites. <i>Chemical Engineering Journal</i> , <b>2019</b> , 356, 151-160	14.7	84
44	Fe/Al bimetallic particles for the fast and highly efficient removal of Cr(VI) over a wide pH range: Performance and mechanism. <i>Journal of Hazardous Materials</i> , <b>2015</b> , 298, 261-9	12.8	81
43	Adsorption behaviors of methylene blue from aqueous solution on mesoporous birnessite. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , <b>2017</b> , 77, 168-176	5.3	80
42	Facile preparation of magnetic mesoporous MnFeO@SiO-CTAB composites for Cr(VI) adsorption and reduction. <i>Environmental Pollution</i> , <b>2017</b> , 220, 1376-1385	9.3	69
41	Cr(VI) removal by mesoporous FeOOH polymorphs: performance and mechanism. <i>RSC Advances</i> , <b>2016</b> , 6, 82118-82130	3.7	49
40	Cultivating granular sludge directly in a continuous-flow membrane bioreactor with internal circulation. <i>Chemical Engineering Journal</i> , <b>2017</b> , 309, 108-117	14.7	48
39	Insight into efficient co-removal of Se(IV) and Cr(VI) by magnetic mesoporous carbon microspheres: Performance and mechanism. <i>Chemical Engineering Journal</i> , <b>2018</b> , 346, 590-599	14.7	35
38	Coadsorption and subsequent redox conversion behaviors of As(III) and Cr(VI) on Al-containing ferrihydrite. <i>Environmental Pollution</i> , <b>2018</b> , 235, 660-669	9.3	31
37	Removal mechanism of selenite by FeO-precipitated mesoporous magnetic carbon microspheres. <i>Journal of Hazardous Materials</i> , <b>2017</b> , 330, 93-104	12.8	30
36	Occurrence, ecotoxicological risks of sulfonamides and their acetylated metabolites in the typical wastewater treatment plants and receiving rivers at the Pearl River Delta. <i>Science of the Total Environment</i> , <b>2020</b> , 709, 136192	10.2	29
35	Determination of the profile of DO and its mass transferring coefficient in a biofilm reactor packed with semi-suspended bio-carriers. <i>Bioresource Technology</i> , <b>2017</b> , 241, 54-62	11	27
34	Fe-Mn binary oxide decorated diatomite for rapid decolorization of methylene blue with H <sub>2</sub> O <sub>2</sub> . <i>Applied Surface Science</i> , <b>2019</b> , 478, 54-61	6.7	26
33	Constructing a multi-layer adsorbent for controllably selective adsorption of various ionic dyes from aqueous solution by simply adjusting pH. <i>Chemical Engineering Journal</i> , <b>2020</b> , 382, 122829	14.7	26

32	Synergistic effect of mesoporous ferrihydrite nanoparticles and Fe(II) on phosphate immobilization: Adsorption and chemical precipitation. <i>Powder Technology</i> , <b>2019</b> , 345, 786-795	5.2	23
31	Zero valent iron as an electron transfer agent in a reaction system based on zero valent iron/magnetite nanocomposites for adsorption and oxidation of Sb(III). <i>Journal of the Taiwan Institute of Chemical Engineers</i> , <b>2018</b> , 85, 155-164	5.3	22
30	Exploration of different adsorption performance and mechanisms of core-shell FeO@Ce-Zr oxide composites for Cr(VI) and Sb(III). <i>Journal of Colloid and Interface Science</i> , <b>2020</b> , 576, 10-20	9.3	21
29	Behaviors and fate of adsorbed Cr(VI) during Fe(II)-induced transformation of ferrihydrite-humic acid co-precipitates. <i>Journal of Hazardous Materials</i> , <b>2020</b> , 392, 122272	12.8	20
28	Residual micro organic pollutants and their biotoxicity of the effluent from the typical textile wastewater treatment plants at Pearl River Delta. <i>Science of the Total Environment</i> , <b>2019</b> , 657, 696-703	10.2	20
27	CTAB-intercalated molybdenum disulfide nanosheets for enhanced simultaneous removal of Cr(VI) and Ni(II) from aqueous solutions. <i>Journal of Hazardous Materials</i> , <b>2020</b> , 396, 122728	12.8	17
26	Three-dimensional transfer of Cr(VI) co-precipitated with ferrihydrite containing silicate and its redistribution and retention during aging. <i>Science of the Total Environment</i> , <b>2019</b> , 696, 133966	10.2	17
25	Promoting the granulation process of aerobic granular sludge in an integrated moving bed biofilm-membrane bioreactor under a continuous-flowing mode. <i>Science of the Total Environment</i> , <b>2020</b> , 703, 135482	10.2	15
24	Simultaneous removal of chromium(VI) and phosphate from water using easily separable magnetite/pyrite nanocomposite. <i>Journal of Alloys and Compounds</i> , <b>2019</b> , 803, 118-125	5.7	14
23	Mn-incorporated ferrihydrite for Cr(VI) immobilization: Adsorption behavior and the fate of Cr(VI) during aging. <i>Journal of Hazardous Materials</i> , <b>2021</b> , 417, 126073	12.8	14
22	Coexistence or aggression? Insight into the influence of phosphate on Cr(VI) adsorption onto aluminum-substituted ferrihydrite. <i>Chemosphere</i> , <b>2018</b> , 212, 408-417	8.4	13
21	Novel mesoporous FeAl bimetal oxides for As(III) removal: Performance and mechanism. <i>Chemosphere</i> , <b>2017</b> , 169, 297-307	8.4	13
20	Heterogeneity of the diverse aerobic sludge granules self-cultivated in a membrane bioreactor with enhanced internal circulation. <i>Bioresource Technology</i> , <b>2018</b> , 263, 297-305	11	12
19	Influence of Al(III) and Sb(V) on the transformation of ferrihydrite nanoparticles: Interaction among ferrihydrite, coprecipitated Al(III) and Sb(V). <i>Journal of Hazardous Materials</i> , <b>2021</b> , 408, 124423	12.8	8
18	Co-existence of diverse sludge granules in a single membrane bioreactor. <i>Chemical Engineering Journal</i> , <b>2017</b> , 326, 849-852	14.7	7
17	Removal of chromium(VI) by MnFeO and ferrous ion: synergetic effects and reaction mechanism. <i>Environmental Science and Pollution Research</i> , <b>2019</b> , 26, 30498-30507	5.1	7
16	Tracing the occurrence of organophosphate ester along the river flow path and textile wastewater treatment processes by using dissolved organic matters as an indicator. <i>Science of the Total Environment</i> , <b>2020</b> , 722, 137895	10.2	6
15	Migration behavior of Cr(VI) during the transformation of ferrihydrite-Cr(VI) co-precipitates: The interaction between surfactants and co-precipitates. <i>Science of the Total Environment</i> , <b>2021</b> , 767, 145429	10.2	6

14	Effects of oxalate and citrate on the behavior and redistribution of Cr(VI) during ferrihydrite-Cr(VI) co-precipitates transformation. <i>Chemosphere</i> , <b>2021</b> , 266, 128977	8.4	6
13	Build-up of a continuous flow pre-coated dynamic membrane filter to treat diluted textile wastewater and identify its dynamic membrane fouling. <i>Journal of Environmental Management</i> , <b>2019</b> , 252, 109647	7.9	5
12	Application of Carbon Microsphere Loaded with Magnetite Nanoparticles for the Removal of a Cationic Azo Dye: Efficiency and Mechanism. <i>Journal of Environmental Engineering, ASCE</i> , <b>2021</b> , 147, 04020147	7.4	4
11	Performance prediction of an internal-circulation membrane bioreactor based on models comparison and data features analysis. <i>Biochemical Engineering Journal</i> , <b>2021</b> , 166, 107850	4.2	3
10	Mobility and transformation of Cr(VI) on the surface of goethite in the presence of oxalic acid and Mn(II). <i>Environmental Science and Pollution Research</i> , <b>2020</b> , 27, 26115-26124	5.1	1
9	Fate of metal-EDTA complexes during ferrihydrite aging: Interaction of metal-EDTA and iron oxides. <i>Chemosphere</i> , <b>2021</b> , 132791	8.4	1
8	Rapid granulation of aerobic granular sludge and maintaining its stability by combining the effects of multi-ionic matrix and bio-carrier in a continuous-flow membrane bioreactor.. <i>Science of the Total Environment</i> , <b>2021</b> , 813, 152644	10.2	1
7	Fate of Cr(VI) during aging of ferrihydrite-humic acid co-precipitates: Comparative studies of structurally incorporated Al(III) and Mn(II). <i>Science of the Total Environment</i> , <b>2021</b> , 807, 151073	10.2	1
6	N-Acyl-homoserine lactone-mediated quorum sensing of aerobic granular sludge system in a continuous-flow membrane bioreactor. <i>Biochemical Engineering Journal</i> , <b>2020</b> , 164, 107801	4.2	1
5	Occurrence, distribution and removal of polycyclic aromatic hydrocarbons in a typical process for textile wastewater treatment of the Pearl River Delta Region, South China. <i>Journal of Environmental Chemical Engineering</i> , <b>2022</b> , 10, 107149	6.8	0
4	Interaction between Se(IV) and fulvic acid and its impact on Se(IV) immobility in ferrihydrite-Se(IV) coprecipitates during aging. <i>Environmental Pollution</i> , <b>2021</b> , 293, 118552	9.3	0
3	Behaviors of Structural Fe(II) of Nontronite and Aqueous Fe(II) on Cr(VI) Removal in the Presence of Citrate. <i>Water, Air, and Soil Pollution</i> , <b>2019</b> , 230, 1	2.6	0
2	Towards deep purification of secondary textile effluent by using a dynamic membrane process: Pilot-scale verification.. <i>Science of the Total Environment</i> , <b>2021</b> , 814, 152699	10.2	
1	Development of high flux dynamic membrane based on hydrodynamic and mass transfer for enhanced antifouling property and dye removal. <i>Journal of Environmental Chemical Engineering</i> , <b>2021</b> , 9, 106283	6.8	