Fenglian Fu

List of Publications by Year in Descending Order

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	Occurrence, distribution and removal of polycyclic aromatic hydrocarbons in a typical process for textile wastewater treatment of the Pearl River Delta Region, South China. *Journal of Environmental Chemical Engineering*, **2022**, 10, 107149	6.8	0
48	Fate of metal-EDTA complexes during ferrihydrite aging: Interaction of metal-EDTA and iron oxides. *Chemosphere*, **2021**, 132791	8.4	1
47	Interaction between Se(IV) and fulvic acid and its impact on Se(IV) immobility in ferrihydrite-Se(IV) coprecipitates during aging. *Environmental Pollution*, **2021**, 293, 118552	9.3	0
46	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.. *Science of the Total Environment*, **2021**, 813, 152644	10.2	1
45	Towards deep purification of secondary textile effluent by using a dynamic membrane process: Pilot-scale verification.. *Science of the Total Environment*, **2021**, 814, 152699	10.2	
44	Fate of Cr(VI) during aging of ferrihydrite-humic acid co-precipitates: Comparative studies of structurally incorporated Al(III) and Mn(II). *Science of the Total Environment*, **2021**, 807, 151073	10.2	1
43	Migration behavior of Cr(VI) during the transformation of ferrihydrite-Cr(VI) co-precipitates: The interaction between surfactants and co-precipitates. *Science of the Total Environment*, **2021**, 767, 145429	10.2	6
42	Performance prediction of an internal-circulation membrane bioreactor based on models comparison and data features analysis. *Biochemical Engineering Journal*, **2021**, 166, 107850	4.2	3
41	Influence of Al(III) and Sb(V) on the transformation of ferrihydrite nanoparticles: Interaction among ferrihydrite, coprecipitated Al(III) and Sb(V). *Journal of Hazardous Materials*, **2021**, 408, 124423	12.8	8
40	Effects of oxalate and citrate on the behavior and redistribution of Cr(VI) during ferrihydrite-Cr(VI) co-precipitates transformation. *Chemosphere*, **2021**, 266, 128977	8.4	6
39	Application of Carbon Microsphere Loaded with Magnetite Nanoparticles for the Removal of a Cationic Azo Dye: Efficiency and Mechanism. *Journal of Environmental Engineering, ASCE*, **2021**, 147, 04020147	2	4
38	Mn-incorporated ferrihydrite for Cr(VI) immobilization: Adsorption behavior and the fate of Cr(VI) during aging. *Journal of Hazardous Materials*, **2021**, 417, 126073	12.8	14
37	Development of high flux dynamic membrane based on hydrodynamic and mass transfer for enhanced antifouling property and dye removal. *Journal of Environmental Chemical Engineering*, **2021**, 9, 106283	6.8	
36	Mobility and transformation of Cr(VI) on the surface of goethite in the presence of oxalic acid and Mn(II). *Environmental Science and Pollution Research*, **2020**, 27, 26115-26124	5.1	1
35	Exploration of different adsorption performance and mechanisms of core-shell FeO@Ce-Zr oxide composites for Cr(VI) and Sb(III). *Journal of Colloid and Interface Science*, **2020**, 576, 10-20	9.3	21
34	CTAB-intercalated molybdenum disulfide nanosheets for enhanced simultaneous removal of Cr(VI) and Ni(II) from aqueous solutions. *Journal of Hazardous Materials*, **2020**, 396, 122728	12.8	17
33	Behaviors and fate of adsorbed Cr(VI) during Fe(II)-induced transformation of ferrihydrite-humic acid co-precipitates. *Journal of Hazardous Materials*, **2020**, 392, 122272	12.8	20

32	Tracing the occurrence of organophosphate ester along the river flow path and textile wastewater treatment processes by using dissolved organic matters as an indicator. *Science of the Total Environment*, **2020**, 722, 137895	10.2	6
31	Occurrence, ecotoxicological risks of sulfonamides and their acetylated metabolites in the typical wastewater treatment plants and receiving rivers at the Pearl River Delta. *Science of the Total Environment*, **2020**, 709, 136192	10.2	29
30	Promoting the granulation process of aerobic granular sludge in an integrated moving bed biofilm-membrane bioreactor under a continuous-flowing mode. *Science of the Total Environment*, **2020**, 703, 135482	10.2	15
29	N-Acyl-homoserine lactone-mediated quorum sensing of aerobic granular sludge system in a continuous-flow membrane bioreactor. *Biochemical Engineering Journal*, **2020**, 164, 107801	4.2	1
28	Constructing a multi-layer adsorbent for controllably selective adsorption of various ionic dyes from aqueous solution by simply adjusting pH. *Chemical Engineering Journal*, **2020**, 382, 122829	14.7	26
27	Removal of chromium(VI) by MnFeO and ferrous ion: synergetic effects and reaction mechanism. *Environmental Science and Pollution Research*, **2019**, 26, 30498-30507	5.1	7
26	Fe-Mn binary oxide decorated diatomite for rapid decolorization of methylene blue with H2O2. *Applied Surface Science*, **2019**, 478, 54-61	6.7	26
25	Simultaneous removal of chromium(VI) and phosphate from water using easily separable magnetite/pyrite nanocomposite. *Journal of Alloys and Compounds*, **2019**, 803, 118-125	5.7	14
24	Synergistic effect of mesoporous feroxyhyte nanoparticles and Fe(II) on phosphate immobilization: Adsorption and chemical precipitation. *Powder Technology*, **2019**, 345, 786-795	5.2	23
23	Three-dimensional transfer of Cr(VI) co-precipitated with ferrihydrite containing silicate and its redistribution and retention during aging. *Science of the Total Environment*, **2019**, 696, 133966	10.2	17
22	Build-up of a continuous flow pre-coated dynamic membrane filter to treat diluted textile wastewater and identify its dynamic membrane fouling. *Journal of Environmental Management*, **2019**, 252, 109647	7.9	5
21	Behaviors of Structural Fe(II) of Nontronite and Aqueous Fe(II) on Cr(VI) Removal in the Presence of Citrate. *Water, Air, and Soil Pollution*, **2019**, 230, 1	2.6	0
20	Adsorption and redox conversion behaviors of Cr(VI) on goethite/carbon microspheres and akaganeite/carbon microspheres composites. *Chemical Engineering Journal*, **2019**, 356, 151-160	14.7	84
19	Residual micro organic pollutants and their biotoxicity of the effluent from the typical textile wastewater treatment plants at Pearl River Delta. *Science of the Total Environment*, **2019**, 657, 696-703	10.2	20
18	Insight into efficient co-removal of Se(IV) and Cr(VI) by magnetic mesoporous carbon microspheres: Performance and mechanism. *Chemical Engineering Journal*, **2018**, 346, 590-599	14.7	35
17	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). *Journal of the Taiwan Institute of Chemical Engineers*, **2018**, 85, 155-164	5.3	22
16	Coadsorption and subsequent redox conversion behaviors of As(III) and Cr(VI) on Al-containing ferrihydrite. *Environmental Pollution*, **2018**, 235, 660-669	9.3	31
15	Heterogeneity of the diverse aerobic sludge granules self-cultivated in a membrane bioreactor with enhanced internal circulation. *Bioresource Technology*, **2018**, 263, 297-305	11	12

14	Coexistence or aggression? Insight into the influence of phosphate on Cr(VI) adsorption onto aluminum-substituted ferrihydrite. *Chemosphere*, **2018**, 212, 408-417	8.4	13
13	Removal mechanism of selenite by FeO-precipitated mesoporous magnetic carbon microspheres. *Journal of Hazardous Materials*, **2017**, 330, 93-104	12.8	30
12	Adsorption behaviors of methylene blue from aqueous solution on mesoporous birnessite. *Journal of the Taiwan Institute of Chemical Engineers*, **2017**, 77, 168-176	5.3	80
11	Determination of the profile of DO and its mass transferring coefficient in a biofilm reactor packed with semi-suspended bio-carriers. *Bioresource Technology*, **2017**, 241, 54-62	11	27
10	Co-existence of diverse sludge granules in a single membrane bioreactor. *Chemical Engineering Journal*, **2017**, 326, 849-852	14.7	7
9	Facile preparation of magnetic mesoporous MnFeO@SiO-CTAB composites for Cr(VI) adsorption and reduction. *Environmental Pollution*, **2017**, 220, 1376-1385	9.3	69
8	Cultivating granular sludge directly in a continuous-flow membrane bioreactor with internal circulation. *Chemical Engineering Journal*, **2017**, 309, 108-117	14.7	48
7	Novel mesoporous FeAl bimetal oxides for As(III) removal: Performance and mechanism. *Chemosphere*, **2017**, 169, 297-307	8.4	13
6	Cr(VI) removal by mesoporous FeOOH polymorphs: performance and mechanism. *RSC Advances*, **2016**, 6, 82118-82130	3.7	49
5	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. *Journal of Hazardous Materials*, **2016**, 302, 437-446	12.8	98
4	Adsorption, oxidation, and reduction behavior of arsenic in the removal of aqueous As(III) by mesoporous Fe/Al bimetallic particles. *Water Research*, **2016**, 96, 22-31	12.5	104
3	Fe/Al bimetallic particles for the fast and highly efficient removal of Cr(VI) over a wide pH range: Performance and mechanism. *Journal of Hazardous Materials*, **2015**, 298, 261-9	12.8	81
2	The use of zero-valent iron for groundwater remediation and wastewater treatment: a review. *Journal of Hazardous Materials*, **2014**, 267, 194-205	12.8	1017
1	Removal of heavy metal ions from wastewaters: a review. *Journal of Environmental Management*, **2011**, 92, 407-18	7.9	5163