

Bing Tang

List of Publications by Year in Descending Order

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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.

69

papers

1,520

citations

22

h-index

37

g-index

72

ext. papers

1,935

ext. citations

9.1

avg. IF

5.22

L-index

#	Paper	IF	Citations
69	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> , 2022 , 10, 107149	6.8	0
68	Distribution characteristics of phosphorus-containing substances in a long running aerobic granular sludge-membrane bioreactor with no sludge discharge.. <i>Bioresource Technology</i> , 2022 , 347, 126694	11	0
67	Fate of metal-EDTA complexes during ferrihydrite aging: Interaction of metal-EDTA and iron oxides. <i>Chemosphere</i> , 2021 , 132791	8.4	1
66	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> , 2021 , 293, 118552	9.3	0
65	Insights into the fouling layer of flat-sheet membrane and its development in an integrated oxidation ditch-membrane bioreactor. <i>Bioresource Technology</i> , 2021 , 345, 126466	11	0
64	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> , 2021 , 813, 152644	10.2	1
63	Towards deep purification of secondary textile effluent by using a dynamic membrane process: Pilot-scale verification.. <i>Science of the Total Environment</i> , 2021 , 814, 152699	10.2	
62	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> , 2021 , 807, 151073	10.2	1
61	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> , 2021 , 767, 145429	10.2	6
60	Revealing the stability of aerobic granular sludge in a membrane bioreactor under different DO values by proteomics analysis. <i>Bioresource Technology Reports</i> , 2021 , 14, 100673	4.1	2
59	Performance prediction of an internal-circulation membrane bioreactor based on models comparison and data features analysis. <i>Biochemical Engineering Journal</i> , 2021 , 166, 107850	4.2	3
58	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> , 2021 , 408, 124423	12.8	8
57	Effects of oxalate and citrate on the behavior and redistribution of Cr(VI) during ferrihydrite-Cr(VI) co-precipitates transformation. <i>Chemosphere</i> , 2021 , 266, 128977	8.4	6
56	Distribution and transformation of phosphorus-containing substances in a combined oxidation ditch-membrane bioreactor. <i>Bioresource Technology Reports</i> , 2021 , 15, 100700	4.1	1
55	Mn-incorporated ferrihydrite for Cr(VI) immobilization: Adsorption behavior and the fate of Cr(VI) during aging. <i>Journal of Hazardous Materials</i> , 2021 , 417, 126073	12.8	14
54	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> , 2021 , 9, 106283	6.8	
53	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> , 2020 , 27, 26115-26124	5.1	1

52	CTAB-intercalated molybdenum disulfide nanosheets for enhanced simultaneous removal of Cr(VI) and Ni(II) from aqueous solutions. <i>Journal of Hazardous Materials</i> , 2020 , 396, 122728	12.8	17
51	Operational and fouling characteristics of the combined oxidation ditch-membrane bioreactor under a continuous-flow mode. <i>Biochemical Engineering Journal</i> , 2020 , 157, 107535	4.2	5
50	Facilely synthesized recyclable mesoporous magnetic silica composite for highly efficient and fast adsorption of Methylene Blue from wastewater: Thermodynamic mechanism and kinetics study. <i>Journal of Molecular Liquids</i> , 2020 , 303, 112656	6	13
49	Behaviors and fate of adsorbed Cr(VI) during Fe(II)-induced transformation of ferrihydrite-humic acid co-precipitates. <i>Journal of Hazardous Materials</i> , 2020 , 392, 122272	12.8	20
48	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> , 2020 , 722, 137895	10.2	6
47	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> , 2020 , 709, 136192	10.2	29
46	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> , 2020 , 703, 135482	10.2	15
45	N-Acyl-homoserine lactone-mediated quorum sensing of aerobic granular sludge system in a continuous-flow membrane bioreactor. <i>Biochemical Engineering Journal</i> , 2020 , 164, 107801	4.2	1
44	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> , 2019 , 696, 133966	10.2	17
43	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> , 2019 , 252, 109647	7.9	5
42	Adsorption and redox conversion behaviors of Cr(VI) on goethite/carbon microspheres and akaganeite/carbon microspheres composites. <i>Chemical Engineering Journal</i> , 2019 , 356, 151-160	14.7	84
41	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> , 2019 , 657, 696-703	10.2	20
40	Rapid reformation of larger aerobic granular sludge in an internal-circulation membrane bioreactor after long-term operation: Effect of short-time aeration. <i>Bioresource Technology</i> , 2019 , 273, 462-467	11	12
39	Coadsorption and subsequent redox conversion behaviors of As(III) and Cr(VI) on Al-containing ferrihydrite. <i>Environmental Pollution</i> , 2018 , 235, 660-669	9.3	31
38	Insight into the microbial community and its succession of a coupling anaerobic-aerobic biofilm on semi-suspended bio-carriers. <i>Bioresource Technology</i> , 2018 , 247, 591-598	11	26
37	Heterogeneity of the diverse aerobic sludge granules self-cultivated in a membrane bioreactor with enhanced internal circulation. <i>Bioresource Technology</i> , 2018 , 263, 297-305	11	12
36	Coexistence or aggression? Insight into the influence of phosphate on Cr(VI) adsorption onto aluminum-substituted ferrihydrite. <i>Chemosphere</i> , 2018 , 212, 408-417	8.4	13
35	Optimization of RDM-UF for alfalfa wastewater treatment using RSM. <i>Environmental Science and Pollution Research</i> , 2018 , 25, 1439-1447	5.1	10

34	Membrane fouling mechanism of biofilm-membrane bioreactor (BF-MBR): Pore blocking model and membrane cleaning. <i>Bioresource Technology</i> , 2018 , 250, 398-405	11	62
33	Removal mechanism of selenite by FeO-precipitated mesoporous magnetic carbon microspheres. <i>Journal of Hazardous Materials</i> , 2017 , 330, 93-104	12.8	30
32	Variation in rheological characteristics and microcosmic composition of the sewage sludge after microwave irradiation. <i>Journal of Cleaner Production</i> , 2017 , 148, 537-544	10.3	13
31	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> , 2017 , 241, 54-62	11	27
30	Co-existence of diverse sludge granules in a single membrane bioreactor. <i>Chemical Engineering Journal</i> , 2017 , 326, 849-852	14.7	7
29	Research Progress in Biofilm-Membrane Bioreactor: A Critical Review. <i>Industrial & Engineering Chemistry Research</i> , 2017 , 56, 6900-6909	3.9	17
28	Variation of the characteristics of biofilm on the semi-suspended bio-carrier produced by a 3D printing technique: Investigation of a whole growing cycle. <i>Bioresource Technology</i> , 2017 , 244, 40-47	11	17
27	A short review on the research progress in alfalfa leaf protein separation technology. <i>Journal of Chemical Technology and Biotechnology</i> , 2017 , 92, 2894-2900	3.5	15
26	Facile preparation of magnetic mesoporous MnFeO@SiO-CTAB composites for Cr(VI) adsorption and reduction. <i>Environmental Pollution</i> , 2017 , 220, 1376-1385	9.3	69
25	Cultivating granular sludge directly in a continuous-flow membrane bioreactor with internal circulation. <i>Chemical Engineering Journal</i> , 2017 , 309, 108-117	14.7	48
24	Novel mesoporous FeAl bimetal oxides for As(III) removal: Performance and mechanism. <i>Chemosphere</i> , 2017 , 169, 297-307	8.4	13
23	Cr(VI) removal by mesoporous FeOOH polymorphs: performance and mechanism. <i>RSC Advances</i> , 2016 , 6, 82118-82130	3.7	49
22	Removal of hexavalent chromium from wastewater by acid-washed zero-valent aluminum. <i>Desalination and Water Treatment</i> , 2016 , 57, 5592-5600		27
21	Removal of selenite by zero-valent iron combined with ultrasound: Se(IV) concentration changes, Se(VI) generation, and reaction mechanism. <i>Ultrasonics Sonochemistry</i> , 2016 , 29, 328-36	8.9	25
20	Insights into the operational characteristics of a multi-habitat membrane bioreactor: Internal variation and membrane fouling. <i>Biochemical Engineering Journal</i> , 2016 , 105, 189-196	4.2	4
19	Removal of Cr(VI) from wastewater by FeOOH supported on Amberlite IR120 resin. <i>Desalination and Water Treatment</i> , 2016 , 57, 17767-17773		2
18	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> , 2016 , 302, 437-446	12.8	98
17	Stepwise membrane fouling model for shear-enhanced filtration of alfalfa juice: experimental and modeling studies. <i>RSC Advances</i> , 2016 , 6, 110789-110798	3.7	3

16	Essential factors of an integrated moving bed biofilm reactor-membrane bioreactor: Adhesion characteristics and microbial community of the biofilm. <i>Bioresource Technology</i> , 2016 , 211, 574-83	11	66
15	Adsorption, oxidation, and reduction behavior of arsenic in the removal of aqueous As(III) by mesoporous Fe/Al bimetallic particles. <i>Water Research</i> , 2016 , 96, 22-31	12.5	104
14	Concentration of Milk Proteins for Producing Cheese Using a Shear-Enhanced Ultrafiltration Technique. <i>Industrial & Engineering Chemistry Research</i> , 2016 , 55, 11130-11138	3.9	11
13	Distribution and mass transfer of dissolved oxygen in a multi-habitat membrane bioreactor. <i>Bioresource Technology</i> , 2015 , 182, 323-328	11	13
12	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> , 2015 , 298, 261-9	12.8	81
11	Removal of Cr(VI) from wastewater using acid-washed zero-valent iron catalyzed by polyoxometalate under acid conditions: Efficacy, reaction mechanism and influencing factors. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2015 , 47, 177-181	5.3	7
10	Biodiversity and succession of microbial community in a multi-habitat membrane bioreactor. <i>Bioresource Technology</i> , 2014 , 164, 354-61	11	19
9	A new insight into resource recovery of excess sewage sludge: feasibility of extracting mixed amino acids as an environment-friendly corrosion inhibitor for industrial pickling. <i>Journal of Hazardous Materials</i> , 2014 , 279, 38-45	12.8	30
8	Essence of disposing the excess sludge and optimizing the operation of wastewater treatment: rheological behavior and microbial ecosystem. <i>Chemosphere</i> , 2014 , 105, 1-13	8.4	18
7	Optimization of struvite crystallization to recover nutrients from raw swine wastewater. <i>Desalination and Water Treatment</i> , 2014 , 1-7		1
6	Removal of Cr(VI) from wastewater by supported nanoscale zero-valent iron on granular activated carbon. <i>Desalination and Water Treatment</i> , 2013 , 51, 2680-2686		16
5	Minimizing the creation of spent pickling liquors in a pickling process with high-concentration hydrochloric acid solutions: mechanism and evaluation method. <i>Journal of Environmental Management</i> , 2012 , 98, 147-54	7.9	23
4	Recovery of high-purity silver directly from dilute effluents by an emulsion liquid membrane-crystallization process. <i>Journal of Hazardous Materials</i> , 2010 , 177, 377-83	12.8	59
3	Degradation of NiEDTA complex by Fenton reaction and ultrasonic treatment for the removal of Ni ²⁺ ions. <i>Environmental Chemistry Letters</i> , 2010 , 8, 317-322	13.3	27
2	Energy efficiency of pre-treating excess sewage sludge with microwave irradiation. <i>Bioresource Technology</i> , 2010 , 101, 5092-7	11	86
1	Preparation of nano-sized magnetic particles from spent pickling liquors by ultrasonic-assisted chemical co-precipitation. <i>Journal of Hazardous Materials</i> , 2009 , 163, 1173-8	12.8	53