

Chuan-Shu He

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

1,110
citations

471509

17
h-index

501196

28
g-index

29
all docs

29
docs citations

29
times ranked

1073
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhanced reductive reactivity of zero-valent iron (ZVI) for pollutant removal by natural organic matters (NOMs) under aerobic conditions: Correlation between NOM properties and ZVI activity. <i>Science of the Total Environment</i> , 2022, 802, 149812.	8.0	11
2	Surface oxygen vacancies formation on Zn ₂ SnO ₄ for bisphenol-A degradation under visible light: The tuning effect by peroxymonosulfate. <i>Journal of Hazardous Materials</i> , 2022, 426, 127828.	12.4	19
3	Efficient activation of PAA by FeS for fast removal of pharmaceuticals: The dual role of sulfur species in regulating the reactive oxidized species. <i>Water Research</i> , 2022, 217, 118402.	11.3	66
4	Effects of Molecular Structure on Organic Contaminants'™ Degradation Efficiency and Dominant ROS in the Advanced Oxidation Process with Multiple ROS. <i>Environmental Science & Technology</i> , 2022, 56, 8784-8795.	10.0	161
5	Synthesis, application and catalytic performance of layered double hydroxide based catalysts in advanced oxidation processes for wastewater decontamination: A review. <i>Chemical Engineering Journal</i> , 2021, 414, 128713.	12.7	96
6	Nano-sized Zero-Valent Iron Coupled with Sulfidation and Ferrous Implantation Enhances the Reduction'™Oxidation Removal of Iodinated Contrast Medium. <i>ACS ES&T Water</i> , 2021, 1, 2128-2138.	4.6	2
7	Size-Dependent Response of the Reductive Reactivity of Zerovalent Iron toward the Coexistence of Natural Organic Matter. <i>ACS ES&T Engineering</i> , 2021, 1, 1587-1596.	7.6	12
8	Mixed-culture biocathodes for acetate production from CO ₂ reduction in the microbial electrosynthesis: Impact of temperature. <i>Science of the Total Environment</i> , 2021, 790, 148128.	8.0	31
9	Enhanced hydrodeiodination of iodinated contrast medium by sulfide-modified nano-sized zero-valent iron: Kinetics, mechanisms and application prospects. <i>Chemical Engineering Journal</i> , 2020, 401, 126050.	12.7	31
10	Active N dopant states of electrodes regulate extracellular electron transfer of <i>Shewanella oneidensis</i> MR-1 for bioelectricity generation: Experimental and theoretical investigations. <i>Biosensors and Bioelectronics</i> , 2020, 160, 112231.	10.1	15
11	Coexistence of humic acid enhances the reductive removal of diatrizoate <i>via</i> de-passivating zero-valent iron under aerobic conditions. <i>Journal of Materials Chemistry A</i> , 2020, 8, 14634-14643.	10.3	11
12	Interactions between nanoscale zero valent iron and extracellular polymeric substances of anaerobic sludge. <i>Water Research</i> , 2020, 178, 115817.	11.3	74
13	Insights into short- and long-term effects of loading nickel nanoparticles on anaerobic digestion with flocculent sludge. <i>Environmental Science: Nano</i> , 2019, 6, 2820-2831.	4.3	7
14	Cathode-Introduced Atomic H* for Fe(II)-Complex Regeneration to Effective Electro-Fenton Process at a Natural pH. <i>Environmental Science & Technology</i> , 2019, 53, 6927-6936.	10.0	54
15	Aerobic removal of iodinated contrast medium by nano-sized zero-valent iron: A combination of oxidation and reduction. <i>Journal of Hazardous Materials</i> , 2019, 373, 417-424.	12.4	19
16	Undiscovered Mechanism for Pyrogenic Carbonaceous Matter-Mediated Abiotic Transformation of Azo Dyes by Sulfide. <i>Environmental Science & Technology</i> , 2019, 53, 4397-4405.	10.0	42
17	Bioelectrochemical decolorization of a reactive diazo dye: Kinetics, optimization with a response surface methodology, and proposed degradation pathway. <i>Bioelectrochemistry</i> , 2019, 128, 9-16.	4.6	30
18	Progressive stress response of the anaerobic granular sludge to nickel nanoparticles: experimental investigations and mathematic modelling. <i>Environmental Science: Nano</i> , 2019, 6, 1536-1548.	4.3	6

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19	A modified two-point titration method for the determination of volatile fatty acids in anaerobic systems. <i>Chemosphere</i> , 2018, 204, 251-256.	8.2	14
20	Formation of iodo-trihalomethanes (I-THMs) during disinfection with chlorine or chloramine: Impact of UV/H ₂ O ₂ pre-oxidation. <i>Science of the Total Environment</i> , 2018, 640-641, 764-771.	8.0	14
21	A fixed-point titration method for the determination of ammonium in anaerobic systems. <i>Analytical Methods</i> , 2018, 10, 3552-3556.	2.7	0
22	Impact of zero-valent iron nanoparticles on the activity of anaerobic granular sludge: From macroscopic to microcosmic investigation. <i>Water Research</i> , 2017, 127, 32-40.	11.3	110
23	Changing profiles of bound water content and distribution in the activated sludge treatment by NaCl addition and pH modification. <i>Chemosphere</i> , 2017, 186, 702-708.	8.2	74
24	Dehalogenation of diatrizoate using nanoscale zero-valent iron: impacts of various parameters and assessment of aerobic biological post-treatment. <i>RSC Advances</i> , 2017, 7, 27214-27223.	3.6	12
25	Process and kinetics of azo dye decolourization in bioelectrochemical systems: effect of several key factors. <i>Scientific Reports</i> , 2016, 6, 27243.	3.3	20
26	Facilitated biological reduction of nitroaromatic compounds by reduced graphene oxide and the role of its surface characteristics. <i>Scientific Reports</i> , 2016, 6, 30082.	3.3	34
27	Hydrodynamics of an Electrochemical Membrane Bioreactor. <i>Scientific Reports</i> , 2015, 5, 10387.	3.3	19
28	Electron acceptors for energy generation in microbial fuel cells fed with wastewaters: A mini-review. <i>Chemosphere</i> , 2015, 140, 12-17.	8.2	116
29	The maximum specific hydrogen-producing activity of anaerobic mixed cultures: definition and determination. <i>Scientific Reports</i> , 2014, 4, 5239.	3.3	10