Xiao-Cheng Liu

List of Publications by Year
in descending order

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20 papers	2,665 citations	471061 17 h-index	752256 20 g-index
20 all docs	20 docs citations	20 times ranked	3003 citing authors

#	Article	IF	Citations
1	Modification of biochar derived from sawdust and its application in removal of tetracycline and copper from aqueous solution: Adsorption mechanism and modelling. Bioresource Technology, 2017, 245, 266-273.	4.8	553
2	Metal-free carbon materials-catalyzed sulfate radical-based advanced oxidation processes: A review on heterogeneous catalysts and applications. Chemosphere, 2017, 189, 224-238.	4.2	320
3	Insight into electro-Fenton and photo-Fenton for the degradation of antibiotics: Mechanism study and research gaps. Chemical Engineering Journal, 2018, 347, 379-397.	6.6	287
4	Iron Containing Metalâ€“Organic Frameworks: Structure, Synthesis, and Applications in Environmental Remediation. ACS Applied Materials & Interfaces, 2017, 9, 20255-20275.	4.0	250
5	Electrocatalytic properties of N-doped graphite felt in electro-Fenton process and degradation mechanism of levofloxacin. Chemosphere, 2017, 182, 306-315.	4.2	176
6	Insight into highly efficient co-removal of p-nitrophenol and lead by nitrogen-functionalized magnetic ordered mesoporous carbon: Performance and modelling. Journal of Hazardous Materials, 2017, 333, 80-87.	6.5	167
7	Analyses of tetracycline adsorption on alkali-acid modified magnetic biochar: Site energy distribution consideration. Science of the Total Environment, 2019, 650, 2260-2266.	3.9	144
8	Oxygen vacancy on hollow sphere CuFe2O4 as an efficient Fenton-like catalysis for organic pollutant degradation over a wide pH range. Applied Catalysis B: Environmental, 2021, 291, 120069.	10.8	126
9	Single and simultaneous adsorption of pefloxacin and Cu(II) ions from aqueous solutions by oxidized multiwalled carbon nanotube. Science of the Total Environment, 2019, 646, 29-36.	3.9	116
10	Aptamer-based biosensors for detection of lead(<scp>ii</scp>) ion: a review. Analytical Methods, 2017, 9, 1976-1990.	1.3	114
11	Carbon felt cathodes for electro-Fenton process to remove tetracycline via synergistic adsorption and degradation. Science of the Total Environment, 2019, 670, 921-931.	3.9	99
12	Boosting photo-Fenton process enabled by ligand-to-cluster charge transfer excitations in iron-based metal organic framework. Applied Catalysis B: Environmental, 2022, 302, 120882.	10.8	58
13	Cathode-Introduced Atomic H* for Fe(II)-Complex Regeneration to Effective Electro-Fenton Process at a Natural pH. Environmental Science & Technology, 2019, 53, 6927-6936.	4.6	54
14	New insights into the activity of a biochar supported nanoscale zerovalent iron composite and nanoscale zero valent iron under anaerobic or aerobic conditions. RSC Advances, 2017, 7, 8755-8761.	1.7	50
15	Simultaneous removal of atrazine and copper using polyacrylic acid-functionalized magnetic ordered mesoporous carbon from water: adsorption mechanism. Scientific Reports, 2017, 7, 43831.	1.6	49
16	Structure-based synergistic mechanism for the degradation of typical antibiotics in electro-Fenton process using Pdâ€“Fe3O4 model catalyst: Theoretical and experimental study. Journal of Catalysis, 2018, 365, 184-194.	3.1	35
17	Mechanistic study of Fe(III) chelate reduction in a neutral electro-Fenton process. Applied Catalysis B: Environmental, 2020, 278, 119347.	10.8	25
18	Active N dopant states of electrodes regulate extracellular electron transfer of Shewanella oneidensis MR-1 for bioelectricity generation: Experimental and theoretical investigations. Biosensors and Bioelectronics, 2020, 160, 112231.	5.3	15

#	Article	IF	Citations
19	Roles of humic acid on vivianite crystallization in heterogeneous nucleation for phosphorus recovery. Journal of Cleaner Production, 2022, 367, 133056.	4.6	14
20	Tailoring the Electrochemical Protonation Behavior of CO₂ by Tuning Surface Noncovalent Interactions. ACS Catalysis, 2021, 11, 14986-14994.	5.5	13