

Xiao-Cheng Liu

List of Publications by Year in descending order

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Version: 2024-02-01

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 | Boosting photo-Fenton process enabled by ligand-to-cluster charge transfer excitations in iron-based metal organic framework. <i>Applied Catalysis B: Environmental</i> , 2022, 302, 120882. | 10.8 | 58 |
| 2 | Roles of humic acid on vivianite crystallization in heterogeneous nucleation for phosphorus recovery. <i>Journal of Cleaner Production</i> , 2022, 367, 133056. | 4.6 | 14 |
| 3 | Oxygen vacancy on hollow sphere CuFe ₂ O ₄ as an efficient Fenton-like catalysis for organic pollutant degradation over a wide pH range. <i>Applied Catalysis B: Environmental</i> , 2021, 291, 120069. | 10.8 | 126 |
| 4 | Tailoring the Electrochemical Protonation Behavior of CO ₂ by Tuning Surface Noncovalent Interactions. <i>ACS Catalysis</i> , 2021, 11, 14986-14994. | 5.5 | 13 |
| 5 | Mechanistic study of Fe(III) chelate reduction in a neutral electro-Fenton process. <i>Applied Catalysis B: Environmental</i> , 2020, 278, 119347. | 10.8 | 25 |
| 6 | 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. | 5.3 | 15 |
| 7 | Single and simultaneous adsorption of pefloxacin and Cu(II) ions from aqueous solutions by oxidized multiwalled carbon nanotube. <i>Science of the Total Environment</i> , 2019, 646, 29-36. | 3.9 | 116 |
| 8 | 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. | 4.6 | 54 |
| 9 | Carbon felt cathodes for electro-Fenton process to remove tetracycline via synergistic adsorption and degradation. <i>Science of the Total Environment</i> , 2019, 670, 921-931. | 3.9 | 99 |
| 10 | Analyses of tetracycline adsorption on alkali-acid modified magnetic biochar: Site energy distribution consideration. <i>Science of the Total Environment</i> , 2019, 650, 2260-2266. | 3.9 | 144 |
| 11 | Insight into electro-Fenton and photo-Fenton for the degradation of antibiotics: Mechanism study and research gaps. <i>Chemical Engineering Journal</i> , 2018, 347, 379-397. | 6.6 | 287 |
| 12 | Structure-based synergistic mechanism for the degradation of typical antibiotics in electro-Fenton process using Pd@Fe ₃ O ₄ model catalyst: Theoretical and experimental study. <i>Journal of Catalysis</i> , 2018, 365, 184-194. | 3.1 | 35 |
| 13 | New insights into the activity of a biochar supported nanoscale zerovalent iron composite and nanoscale zero valent iron under anaerobic or aerobic conditions. <i>RSC Advances</i> , 2017, 7, 8755-8761. | 1.7 | 50 |
| 14 | Simultaneous removal of atrazine and copper using polyacrylic acid-functionalized magnetic ordered mesoporous carbon from water: adsorption mechanism. <i>Scientific Reports</i> , 2017, 7, 43831. | 1.6 | 49 |
| 15 | Electrocatalytic properties of N-doped graphite felt in electro-Fenton process and degradation mechanism of levofloxacin. <i>Chemosphere</i> , 2017, 182, 306-315. | 4.2 | 176 |
| 16 | Iron Containing Metal-Organic Frameworks: Structure, Synthesis, and Applications in Environmental Remediation. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 20255-20275. | 4.0 | 250 |
| 17 | Aptamer-based biosensors for detection of lead(II) ion: a review. <i>Analytical Methods</i> , 2017, 9, 1976-1990. | 1.3 | 114 |
| 18 | Insight into highly efficient co-removal of p-nitrophenol and lead by nitrogen-functionalized magnetic ordered mesoporous carbon: Performance and modelling. <i>Journal of Hazardous Materials</i> , 2017, 333, 80-87. | 6.5 | 167 |

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|----|---|-----|-----------|
| 19 | Modification of biochar derived from sawdust and its application in removal of tetracycline and copper from aqueous solution: Adsorption mechanism and modelling. <i>Bioresource Technology</i> , 2017, 245, 266-273. | 4.8 | 553 |
| 20 | Metal-free carbon materials-catalyzed sulfate radical-based advanced oxidation processes: A review on heterogeneous catalysts and applications. <i>Chemosphere</i> , 2017, 189, 224-238. | 4.2 | 320 |