

Yang Huang

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

745
citations

687363

13
h-index

642732

23
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24
all docs

24
docs citations

24
times ranked

744
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Composition of EPS fractions from suspended sludge and biofilm and their roles in microbial cell aggregation. <i>Chemosphere</i> , 2014, 117, 59-65. | 8.2 | 165 |
| 2 | Effects of digestate DOM on chemical behavior of soil heavy metals in an abandoned copper mining areas. <i>Journal of Hazardous Materials</i> , 2020, 393, 122436. | 12.4 | 62 |
| 3 | Distribution and genetic diversity of microbial populations in the pilot-scale biofilter for simultaneous removal of ammonia, iron and manganese from real groundwater. <i>Chemosphere</i> , 2017, 182, 450-457. | 8.2 | 58 |
| 4 | Analysis of 17 β -ethinylestradiol and bisphenol A adsorption on anthracite surfaces by site energy distribution. <i>Chemosphere</i> , 2019, 216, 59-68. | 8.2 | 46 |
| 5 | Effect of biochar-derived DOM on the interaction between Cu(II) and biochar prepared at different pyrolysis temperatures. <i>Journal of Hazardous Materials</i> , 2022, 421, 126739. | 12.4 | 45 |
| 6 | Sorption-desorption behavior of sulfamethoxazole, carbamazepine, bisphenol A and 17 β -ethinylestradiol in sewage sludge. <i>Journal of Hazardous Materials</i> , 2019, 368, 739-745. | 12.4 | 43 |
| 7 | Activated carbon efficient atomistic model construction that depicts experimentally-determined characteristics. <i>Carbon</i> , 2015, 83, 1-14. | 10.3 | 39 |
| 8 | Competitive adsorption of benzene and water vapor on lignite-based activated carbon: Experiment and molecular simulation study. <i>Chemical Engineering Journal</i> , 2020, 398, 125557. | 12.7 | 35 |
| 9 | Atomistic modelling insight into the structure of lignite-based activated carbon and benzene sorption behavior. <i>RSC Advances</i> , 2016, 6, 56623-56637. | 3.6 | 30 |
| 10 | Air-water CO ₂ and CH ₄ fluxes along a river-reservoir continuum: Case study in the Pengxi River, a tributary of the Yangtze River in the Three Gorges Reservoir, China. <i>Environmental Monitoring and Assessment</i> , 2017, 189, 223. | 2.7 | 30 |
| 11 | Effect of dissolved organic matters on adsorption and desorption behavior of heavy metals in a water-level-fluctuation zone of the Three Gorges Reservoir, China. <i>Ecotoxicology and Environmental Safety</i> , 2019, 185, 109695. | 6.0 | 29 |
| 12 | The application of two-dimensional correlation spectroscopy for the binding properties of heavy metals onto digestate-derived DOM from anaerobic digestion of chicken manure. <i>Ecotoxicology and Environmental Safety</i> , 2020, 204, 111129. | 6.0 | 28 |
| 13 | Influence of temperature on CODMn and Mn ²⁺ removal and microbial community structure in pilot-scale biofilter. <i>Bioresource Technology</i> , 2020, 316, 123968. | 9.6 | 24 |
| 14 | Adsorption mechanisms of PFOA onto activated carbon anchored with quaternary ammonium/epoxide-forming compounds: A combination of experiment and model studies. <i>Journal of Environmental Sciences</i> , 2020, 98, 94-102. | 6.1 | 14 |
| 15 | Performance and microbial community profiles in pilot-scale biofilter for the simultaneous removal of ammonia, iron and manganese at different manganese concentrations. <i>Bioprocess and Biosystems Engineering</i> , 2019, 42, 741-752. | 3.4 | 13 |
| 16 | Performance and microbial community profiles in pilot-scale biofilter for ammonia, iron and manganese removal at different dissolved oxygen concentrations. <i>World Journal of Microbiology and Biotechnology</i> , 2019, 35, 43. | 3.6 | 13 |
| 17 | Removing PFOA and nitrate by quaternary ammonium compounds modified carbon and its mechanisms analysis: Effect of base, acid or oxidant pretreatment. <i>Chemosphere</i> , 2020, 242, 125233. | 8.2 | 13 |
| 18 | An integrated process of calcium hydroxide precipitation and air stripping for pretreatment of flue gas desulfurization wastewater towards zero liquid discharge. <i>Journal of Cleaner Production</i> , 2021, 314, 128077. | 9.3 | 13 |

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|----|---|------|-----------|
| 19 | Cyanobacteria in a tributary backwater area in the Three Gorges Reservoir, China. <i>Inland Waters</i> , 2016, 6, 77-88. | 2.2 | 11 |
| 20 | Recovery of Phosphorus from Aqueous Solution by Iron-Aluminum-Zirconium-Modified Anthracite: Performance and Mechanism. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 8577-8584. | 6.7 | 11 |
| 21 | The role of iron-doped g-C ₃ N ₄ heterogeneous catalysts in Fenton-like process investigated by experiment and theoretical simulation. <i>Chemical Engineering Journal</i> , 2022, 446, 137252. | 12.7 | 10 |
| 22 | Effects of hydrophyte decomposition on the binding mechanism between fluorescent DOM and copper. <i>Ecotoxicology and Environmental Safety</i> , 2021, 214, 112064. | 6.0 | 8 |
| 23 | Enhanced anaerobically digested swine wastewater treatment by the composite of polyaluminum chloride (PAC) and <i>Bacillus megatherium</i> G106 derived EPS. <i>Scientific Reports</i> , 2017, 7, 8605. | 3.3 | 5 |
| 24 | Adsorption behavior of water on lignite-based activated carbon: a molecular dynamics study. <i>Applied Physics A: Materials Science and Processing</i> , 2022, 128, 1. | 2.3 | 0 |