

Jing Ai

List of Publications by Year in descending order

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11
papers

285
citations

1040056

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1281871

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all docs

11
docs citations

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342
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Understanding synergistic mechanisms of ferrous iron activated sulfite oxidation and organic polymer flocculation for enhancing wastewater sludge dewaterability. <i>Water Research</i> , 2021, 189, 116652. | 11.3 | 52 |
| 2 | Fe/Mn loaded sludge-based carbon materials catalyzed oxidation for antibiotic degradation: Persulfate vs H ₂ O ₂ as oxidant. <i>Separation and Purification Technology</i> , 2021, 263, 118409. | 7.9 | 19 |
| 3 | Preparation of ultrahigh-surface-area sludge biopolymers-based carbon using alkali treatment for organic matters recovery coupled to catalytic pyrolysis. <i>Journal of Environmental Sciences</i> , 2021, 106, 83-96. | 6.1 | 7 |
| 4 | Relationship between the physicochemical properties of sludge-based carbons and the adsorption capacity of dissolved organic matter in advanced wastewater treatment: Effects of chemical conditioning. <i>Chemosphere</i> , 2020, 243, 125333. | 8.2 | 21 |
| 5 | Removal of arsenic in groundwater using Slag based calcined layered double hydroxides (CLDHs) with dual functions of adsorption and photo-catalysis. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 604, 125300. | 4.7 | 13 |
| 6 | Catalytic pyrolysis coupling to enhanced dewatering of waste activated sludge using KMnO ₄ Fe(II) conditioning for preparing multi-functional material to treat groundwater containing combined pollutants. <i>Water Research</i> , 2019, 158, 424-437. | 11.3 | 42 |
| 7 | A novel waste activated sludge multistage utilization strategy for preparing carbon-based Fenton-like catalysts: Catalytic performance assessment and micro-interfacial mechanisms. <i>Water Research</i> , 2019, 150, 473-487. | 11.3 | 36 |
| 8 | Preparation of biological activated carbon (BAC) using aluminum salts conditioned sludge cake for the bio-refractory organic contaminants removal from anaerobically digested liquor. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 561, 89-100. | 4.7 | 7 |
| 9 | Applications of graphene oxide blended poly(vinylidene fluoride) membranes for the treatment of organic matters and its membrane fouling investigation. <i>Applied Surface Science</i> , 2018, 455, 502-512. | 6.1 | 30 |
| 10 | NH ₂ Fe ₃ O ₄ @SiO ₂ supported peroxidase catalyzed H ₂ O ₂ for degradation of endocrine disrupter from aqueous solution: Roles of active radicals and NOMs. <i>Chemosphere</i> , 2017, 186, 733-742. | 8.2 | 20 |
| 11 | Immobilization of horseradish peroxidase enzymes on hydrous-titanium and application for phenol removal. <i>RSC Advances</i> , 2016, 6, 38117-38123. | 3.6 | 38 |