

# Jing Ai

## List of Publications by Year in descending order

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Version: 2024-02-01

11  
papers

285  
citations

1040056

9  
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1281871

11  
g-index

11  
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11  
docs citations

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times ranked

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	Catalytic pyrolysis coupling to enhanced dewatering of waste activated sludge using $\text{KMnO}_4\text{Fe(II)}$ conditioning for preparing multi-functional material to treat groundwater containing combined pollutants. <i>Water Research</i> , 2019, 158, 424-437.	11.3	42
3	Immobilization of horseradish peroxidase enzymes on hydrous-titanium and application for phenol removal. <i>RSC Advances</i> , 2016, 6, 38117-38123.	3.6	38
4	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
5	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
6	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
7	$\text{NH}_2\text{Fe}_3\text{O}_4@\text{SiO}_2$ supported peroxidase catalyzed $\text{H}_2\text{O}_2$ for degradation of endocrine disrupter from aqueous solution: Roles of active radicals and NOMs. <i>Chemosphere</i> , 2017, 186, 733-742.	8.2	20
8	Fe/Mn loaded sludge-based carbon materials catalyzed oxidation for antibiotic degradation: Persulfate vs $\text{H}_2\text{O}_2$ as oxidant. <i>Separation and Purification Technology</i> , 2021, 263, 118409.	7.9	19
9	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
10	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
11	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