

# Jing Kang

## List of Publications by Year in descending order

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55  
papers

1,454  
citations

279798

23  
h-index

345221

36  
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55  
docs citations

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times ranked

1130  
citing authors

#	ARTICLE	IF	CITATIONS
1	Preparation of novel N-doped biochar and its high adsorption capacity for atrazine based on $\pi$ - $\pi$ electron donor-acceptor interaction. <i>Journal of Hazardous Materials</i> , 2022, 432, 128757.	12.4	112
2	EEM- $\mu$ -PARAFAC characterization of dissolved organic matter and its relationship with disinfection by-products formation potential in drinking water sources of northeastern China. <i>Science of the Total Environment</i> , 2021, 774, 145297.	8.0	92
3	Mechanism of oxytetracycline removal by aerobic granular sludge in SBR. <i>Water Research</i> , 2019, 161, 308-318.	11.3	79
4	Ozonation degradation of microcystin-LR in aqueous solution: Intermediates, byproducts and pathways. <i>Water Research</i> , 2014, 63, 52-61.	11.3	76
5	Removal of tetracycline by aerobic granular sludge and its bacterial community dynamics in SBR. <i>RSC Advances</i> , 2018, 8, 18284-18293.	3.6	62
6	Oxidation of microcystin-LR in water by ozone combined with UV radiation: The removal and degradation pathway. <i>Chemical Engineering Journal</i> , 2015, 276, 97-105.	12.7	60
7	Impact of carbon to nitrogen ratio on the performance of aerobic granular reactor and microbial population dynamics during aerobic sludge granulation. <i>Bioresource Technology</i> , 2019, 271, 258-265.	9.6	55
8	Efficiently enhanced Fenton-like reaction via Fe complex immobilized on silica particles for catalytic hydrogen peroxide degradation of 2,4-dichlorophenol. <i>Applied Catalysis B: Environmental</i> , 2020, 268, 118453.	20.2	55
9	Effect of carbon source on pollutant removal and microbial community dynamics in treatment of swine wastewater containing antibiotics by aerobic granular sludge. <i>Chemosphere</i> , 2020, 260, 127544.	8.2	45
10	Selective adsorption and enhanced photodegradation of diclofenac in water by molecularly imprinted TiO <sub>2</sub> . <i>Journal of Hazardous Materials</i> , 2021, 407, 124759.	12.4	45
11	Catalytic ozonation by Si-doped $\gamma$ -Fe <sub>2</sub> O <sub>3</sub> for the removal of nitrobenzene in aqueous solution. <i>Separation and Purification Technology</i> , 2019, 228, 115766.	7.9	42
12	UV/ peroxymonosulfate process for degradation of chloral hydrate: Pathway and the role of radicals. <i>Journal of Hazardous Materials</i> , 2021, 401, 123837.	12.4	41
13	Formation and interdependence of disinfection byproducts during chlorination of natural organic matter in a conventional drinking water treatment plant. <i>Chemosphere</i> , 2020, 242, 125227.	8.2	38
14	Interface mechanism of catalytic ozonation in an $\gamma$ -Fe <sub>0.9</sub> Mn <sub>0.1</sub> OOH aqueous suspension for the removal of iohexol. <i>Applied Catalysis B: Environmental</i> , 2020, 277, 119055.	20.2	38
15	The performance of aerobic granular sludge for simulated swine wastewater treatment and the removal mechanism of tetracycline. <i>Journal of Hazardous Materials</i> , 2021, 408, 124762.	12.4	35
16	Catalytic ozonation of iohexol with $\gamma$ -Fe <sub>0.9</sub> Mn <sub>0.1</sub> OOH in water: Efficiency, degradation mechanism and toxicity evaluation. <i>Journal of Hazardous Materials</i> , 2021, 402, 123574.	12.4	32
17	Fabrication of a low-cost cementitious catalytic membrane for p-chloronitrobenzene degradation using a hybrid ozonation-membrane filtration system. <i>Chemical Engineering Journal</i> , 2015, 262, 904-912.	12.7	31
18	Dynamic adsorption models and artificial neural network prediction of mercury adsorption by a dendrimer-grafted polyacrylonitrile fiber in fixed-bed column. <i>Journal of Cleaner Production</i> , 2021, 310, 127511.	9.3	30

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19	Leaching mechanisms of constituents from fly ash under the influence of humic acid. <i>Journal of Hazardous Materials</i> , 2017, 321, 647-660.	12.4	29
20	Spectral and mass spectrometric characteristics of different molecular weight fractions of dissolved organic matter. <i>Separation and Purification Technology</i> , 2020, 253, 117390.	7.9	29
21	The key role of inoculated sludge in fast start-up of sequencing batch reactor for the domestication of aerobic granular sludge. <i>Journal of Environmental Sciences</i> , 2019, 78, 127-136.	6.1	28
22	Influence of humic acid on the removal of arsenate and arsenic by ferric chloride: effects of pH, As/Fe ratio, initial As concentration, and co-existing solutes. <i>Environmental Science and Pollution Research</i> , 2017, 24, 2381-2393.	5.3	27
23	Removal of 2,6-dichlorophenol in water by CuO activated peroxymonosulfate: Efficiency, mechanism and degradation pathway. <i>Separation and Purification Technology</i> , 2021, 254, 117630.	7.9	25
24	Enhanced degradation of iohexol in water by CuFe <sub>2</sub> O <sub>4</sub> activated peroxymonosulfate: Efficiency, mechanism and degradation pathway. <i>Chemosphere</i> , 2022, 289, 133198.	8.2	23
25	Degradation of bisphenol S by peroxymonosulfate activation through monodispersed CoFe <sub>2</sub> O <sub>4</sub> nanoparticles anchored on natural palygorskite. <i>Separation and Purification Technology</i> , 2021, 277, 119492.	7.9	22
26	Application of Fourier transform ion cyclotron resonance mass spectrometry in deciphering molecular composition of soil organic matter: A review. <i>Science of the Total Environment</i> , 2021, 756, 144140.	8.0	20
27	Activation of peroxymonosulfate by nanoscaled NiFe <sub>2</sub> O <sub>4</sub> magnetic particles for the degradation of 2,4-dichlorophenoxyacetic acid in water: Efficiency, mechanism and degradation pathways. <i>Separation and Purification Technology</i> , 2022, 297, 121459.	7.9	20
28	Adsorption property and mechanism of polyacrylate-divinylbenzene microspheres for removal of trace organic micropollutants from water. <i>Science of the Total Environment</i> , 2021, 781, 146635.	8.0	19
29	Profiles and risk assessment of phthalate acid esters (PAEs) in drinking water sources and treatment plants, East China. <i>Environmental Science and Pollution Research</i> , 2017, 24, 23646-23657.	5.3	17
30	Isolation of oxytetracycline-degrading bacteria and its application in improving the removal performance of aerobic granular sludge. <i>Journal of Environmental Management</i> , 2020, 272, 111115.	7.8	17
31	Catalytic ozonation of sulfamethoxazole by composite iron-manganese silicate oxide: cooperation mechanism between adsorption and catalytic reaction. <i>Environmental Science and Pollution Research</i> , 2016, 23, 21360-21368.	5.3	16
32	Response surface methodology investigation into optimization of the removal condition and mechanism of Cr(VI) by Na <sub>2</sub> SO <sub>3</sub> /CaO. <i>Journal of Environmental Management</i> , 2017, 202, 38-45.	7.8	15
33	N-nitrosodimethylamine formation during oxidation of N,N-dimethylhydrazine compounds by peroxymonosulfate: Kinetics, reactive species, mechanism and influencing factors. <i>Journal of Hazardous Materials</i> , 2022, 428, 128191.	12.4	15
34	Impact of hydraulic retention time on swine wastewater treatment by aerobic granular sludge sequencing batch reactor. <i>Environmental Science and Pollution Research</i> , 2021, 28, 5927-5937.	5.3	14
35	Non-radical dominated degradation of bisphenol S by peroxymonosulfate activation under high salinity condition: Overlooked HOCl, formation of intermediates, and toxicity assessment. <i>Journal of Hazardous Materials</i> , 2022, 435, 128968.	12.4	14
36	Interface mechanism of peroxymonosulfate activation by cobalt-copper-ferrite nanoparticles mediated by palygorskite for bisphenol S degradation: A dual-path activation mechanism. <i>Chemical Engineering Journal</i> , 2022, 448, 137609.	12.7	14

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37	Sensitized chemiluminescence of 2-phenyl-4,5-di(2-furyl)-1H-imidazole/K <sub>3</sub> Fe(CN) <sub>6</sub> /propyl gallate system combining with solid-phase extraction for the determination of propyl gallate in edible oil. <i>Food Chemistry</i> , 2014, 159, 445-450.	8.2	13
38	Structure activity relationship study of N-doped ligand modified Fe(III)/H <sub>2</sub> O <sub>2</sub> for degrading organic pollutants. <i>Journal of Hazardous Materials</i> , 2021, 404, 124142.	12.4	13
39	Heterogeneous Catalytic Ozonation of Sulfamethoxazole in Aqueous Solution over Composite Iron-Manganese Silicate Oxide. <i>Ozone: Science and Engineering</i> , 2017, 39, 24-32.	2.5	12
40	Characteristics and disinfection by-product formation potential of dissolved organic matter in reservoir water in cold area. <i>Chemosphere</i> , 2022, 301, 134769.	8.2	11
41	A novel cementitious microfiltration membrane: mechanisms of pore formation and properties for water permeation. <i>RSC Advances</i> , 2015, 5, 99-108.	3.6	10
42	Catalytic ozonation with silicate-based microfiltration membrane for the removal of iopamidol in aqueous solution. <i>Separation and Purification Technology</i> , 2021, 257, 117873.	7.9	10
43	Improvement of the fabricated and application of aluminosilicate-based microfiltration membrane. <i>Chemosphere</i> , 2021, 273, 129628.	8.2	9
44	Comparative study of BiVO <sub>4</sub> and BiVO <sub>4</sub> /Ag <sub>2</sub> O regarding their properties and photocatalytic degradation mechanism. <i>New Journal of Chemistry</i> , 2022, 46, 11608-11616.	2.8	7
45	Influence of potassium permanganate pre-oxidation on the interaction of humic acid with cadmium/arsenic. <i>RSC Advances</i> , 2016, 6, 3048-3057.	3.6	6
46	Chemiluminescence determination of human serum albumin based on Co <sup>2+</sup> -catalyzed 2-(4-tert-butylphenyl)-4,5-di(2-furyl) imidazole/H <sub>2</sub> O <sub>2</sub> system. <i>RSC Advances</i> , 2015, 5, 89569-89576.	3.6	5
47	Investigation on the Kinetics of Heterogeneous Catalytic Ozone Decomposition in Aqueous Solution over Composite Iron-Manganese Silicate Oxide. <i>Ozone: Science and Engineering</i> , 2016, 38, 434-442.	2.5	5
48	Generation of interfacial high-spin manganese intermediates as reactive oxidant during peroxymonosulfate activation mediated by amorphous MnOx supported on polymeric substrate. <i>Applied Catalysis B: Environmental</i> , 2022, 316, 121671.	20.2	5
49	Powdered activated carbon doping improves the mechanical and adsorption properties of cementitious microfiltration membrane. <i>Chemosphere</i> , 2022, 287, 132260.	8.2	4
50	Regrowth potential of chlorine-resistant bacteria in drinking water under chloramination. <i>Journal of Hazardous Materials</i> , 2022, 428, 128264.	12.4	4
51	Formation of toxic iodinated by-products during the oxidation process of iohexol by catalytic ozonation in water. <i>Separation and Purification Technology</i> , 2021, 262, 118287.	7.9	3
52	Occurrence of organochlorine pesticides from typical water sources in YiXing City, Taihu Upper-River Basin, East China. <i>RSC Advances</i> , 2016, 6, 114159-114170.	3.6	2
53	Degradation of iopamidol by silicate-based microfiltration membrane activated peroxymonosulfate in aqueous solution: Efficiency, mechanism and degradation pathway. <i>Journal of Cleaner Production</i> , 2022, 338, 130562.	9.3	2
54	Fabrication of Cementitious Microfiltration Membrane and Its Catalytic Ozonation for the Removal of Small Molecule Organic Pollutants. <i>Membranes</i> , 2021, 11, 532.	3.0	1

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55	Catalytic Efficiency of Carbon-Cementitious Microfiltration Membrane on the Ozonation-Based Oxidation of Small Molecule Organic Compounds and Its Alkaline Buffering Effect in Aqueous Solution. <i>Membranes</i> , 2021, 11, 601.	3.0	0