

Yang Li

List of Publications by Year in descending order

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43
papers

4,808
citations

147786

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h-index

254170

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g-index

43
all docs

43
docs citations

43
times ranked

5797
citing authors

#	ARTICLE	IF	CITATIONS
1	Aggregation of graphene oxide and its environmental implications in the aquatic environment. Chinese Chemical Letters, 2023, 34, 107327.	9.0	15
2	What have we known so far for fluorescence staining and quantification of microplastics: A tutorial review. Frontiers of Environmental Science and Engineering, 2022, 16, 1.	6.0	41
3	Improving nanoplastic removal by coagulation: Impact mechanism of particle size and water chemical conditions. Journal of Hazardous Materials, 2022, 425, 127962.	12.4	46
4	Photoaging of Baby Bottle-Derived Polyethersulfone and Polyphenylsulfone Microplastics and the Resulting Bisphenol S Release. Environmental Science & Technology, 2022, 56, 3033-3044.	10.0	29
5	What Insights Can the Development of Single-Atom Photocatalysts Provide for Water and Air Disinfection?. ACS ES&T Engineering, 2022, 2, 1053-1067.	7.6	4
6	ROS-mediated photoaging pathways of nano- and micro-plastic particles under UV irradiation. Water Research, 2022, 216, 118320.	11.3	78
7	A review of sources, status, and risks of microplastics in the largest semi-enclosed sea of China, the Bohai Sea. Chemosphere, 2022, 306, 135564.	8.2	11
8	Environmental fate, toxicity and risk management strategies of nanoplastics in the environment: Current status and future perspectives. Journal of Hazardous Materials, 2021, 401, 123415.	12.4	325
9	A review of microplastics aggregation in aquatic environment: Influence factors, analytical methods, and environmental implications. Journal of Hazardous Materials, 2021, 402, 123496.	12.4	184
10	Raney nickel coupled nascent hydrogen as a novel strategy for enhanced reduction of nitrate and nitrite. Chemosphere, 2021, 263, 128187.	8.2	4
11	Facile synthesis of Ag ₂ O/ZnO/rGO heterojunction with enhanced photocatalytic activity under simulated solar light: Kinetics and mechanism. Journal of Hazardous Materials, 2021, 403, 124011.	12.4	103
12	Enhanced decomposition of long-chain perfluorocarboxylic acids (C ₉ ~C ₁₀) by electrochemical activation of peroxymonosulfate in aqueous solution. Science of the Total Environment, 2021, 758, 143666.	8.0	22
13	Transport and transformation of microplastics and nanoplastics in the soil environment: A critical review. Soil Use and Management, 2021, 37, 224-242.	4.9	33
14	Weathering of microplastics and interaction with other coexisting constituents in terrestrial and aquatic environments. Water Research, 2021, 196, 117011.	11.3	253
15	Ionic-strength-dependent effect of suspended sediment on the aggregation, dissolution and settling of silver nanoparticles. Environmental Pollution, 2021, 279, 116926.	7.5	29
16	Silver nanoparticles in aquatic sediments: Occurrence, chemical transformations, toxicity, and analytical methods. Journal of Hazardous Materials, 2021, 418, 126368.	12.4	42
17	Distribution, behaviour, bioavailability and remediation of poly- and per-fluoroalkyl substances (PFAS) in solid biowastes and biowaste-treated soil. Environment International, 2021, 155, 106600.	10.0	74
18	Elevated Temperatures Decrease the Photodegradation Rate of Pyrethroid Insecticides on Spinach Leaves: Implications for the Effect of Climate Warming. Environmental Science & Technology, 2021, 55, 1167-1177.	10.0	16

#	ARTICLE	IF	CITATIONS
19	Enhanced persulfate oxidation of organic pollutants and removal of total organic carbons using natural magnetite and microwave irradiation. <i>Chemical Engineering Journal</i> , 2020, 383, 123140.	12.7	44
20	Aggregation kinetics and mechanisms of silver nanoparticles in simulated pollution water under UV light irradiation. <i>Water Environment Research</i> , 2020, 92, 840-849.	2.7	5
21	Impacts of microplastics on organotin(IV) photodegradation in aquatic environments. <i>Environmental Pollution</i> , 2020, 267, 115686.	7.5	38
22	UV-induced aggregation of polystyrene nanoplastics: effects of radicals, surface functional groups and electrolyte. <i>Environmental Science: Nano</i> , 2020, 7, 3914-3926.	4.3	57
23	Climate-zone-dependent effect mechanism of humic acid and fulvic acid extracted from river sediments on aggregation behavior of graphene oxide. <i>Science of the Total Environment</i> , 2020, 721, 137682.	8.0	31
24	Insights into electrochemical decomposition mechanism of lipopolysaccharide using TiO ₂ nanotubes arrays electrode. <i>Journal of Hazardous Materials</i> , 2020, 391, 122259.	12.4	11
25	Occurrence, distribution, and source track of antibiotics and antibiotic resistance genes in the main rivers of Chongqing city, southwest China. <i>Journal of Hazardous Materials</i> , 2020, 389, 122110.	12.4	78
26	Visible-light-driven photo-Fenton reactions using Zn _{1-1.5} Fe S/g-C ₃ N ₄ photocatalyst: Degradation kinetics and mechanisms analysis. <i>Applied Catalysis B: Environmental</i> , 2020, 266, 118653.	20.2	135
27	Microplastics as contaminants in the soil environment: A mini-review. <i>Science of the Total Environment</i> , 2019, 691, 848-857.	8.0	413
28	Interactions between nano/micro plastics and suspended sediment in water: Implications on aggregation and settling. <i>Water Research</i> , 2019, 161, 486-495.	11.3	204
29	Visible-light-driven photocatalytic disinfection mechanism of Pb-BiFeO ₃ /rGO photocatalyst. <i>Water Research</i> , 2019, 161, 251-261.	11.3	91
30	Photocatalytic oxidation of norfloxacin by Zn _{0.9} Fe _{0.1} S supported on Ni-foam under visible light irradiation. <i>Chemosphere</i> , 2019, 230, 406-415.	8.2	32
31	Dietary Uptake Patterns Affect Bioaccumulation and Biomagnification of Hydrophobic Organic Compounds in Fish. <i>Environmental Science & Technology</i> , 2019, 53, 4274-4284.	10.0	40
32	Effects of Chloride Ions on Dissolution, ROS Generation, and Toxicity of Silver Nanoparticles under UV Irradiation. <i>Environmental Science & Technology</i> , 2018, 52, 4842-4849.	10.0	73
33	Photocatalytic degradation of perfluorooctanoic acid over Pb-BiFeO ₃ /rGO catalyst: Kinetics and mechanism. <i>Chemosphere</i> , 2018, 211, 34-43.	8.2	61
34	Comparative toxicity of Cd, Mo, and W sulphide nanomaterials toward <i>E. Coli</i> under UV irradiation. <i>Environmental Pollution</i> , 2017, 224, 606-614.	7.5	53
35	Relative importance of humic and fulvic acid on ROS generation, dissolution, and toxicity of sulfide nanoparticles. <i>Water Research</i> , 2017, 124, 595-604.	11.3	80
36	Influence of dissolved organic matter on photogenerated reactive oxygen species and metal-oxide nanoparticle toxicity. <i>Water Research</i> , 2016, 98, 9-18.	11.3	53

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37	Influence of Aqueous Media on the ROS-Mediated Toxicity of ZnO Nanoparticles toward Green Fluorescent Protein-Expressing <i>Escherichia coli</i> under UV-365 Irradiation. <i>Langmuir</i> , 2014, 30, 2852-2862.	3.5	77
38	Photochemical Transformation and Photoinduced Toxicity Reduction of Silver Nanoparticles in the Presence of Perfluorocarboxylic Acids under UV Irradiation. <i>Environmental Science & Technology</i> , 2014, 48, 4946-4953.	10.0	55
39	Surface-Coating-Dependent Dissolution, Aggregation, and Reactive Oxygen Species (ROS) Generation of Silver Nanoparticles under Different Irradiation Conditions. <i>Environmental Science & Technology</i> , 2013, 47, 130904083900006.	10.0	78
40	Electrochemical mineralization of sulfamethoxazole by Ti/SnO ₂ -Sb/Ce-PbO ₂ anode: Kinetics, reaction pathways, and energy cost evolution. <i>Electrochimica Acta</i> , 2013, 97, 167-174.	5.2	213
41	Photogeneration of Reactive Oxygen Species on Uncoated Silver, Gold, Nickel, and Silicon Nanoparticles and Their Antibacterial Effects. <i>Langmuir</i> , 2013, 29, 4647-4651.	3.5	244
42	Mechanism of Photogenerated Reactive Oxygen Species and Correlation with the Antibacterial Properties of Engineered Metal-Oxide Nanoparticles. <i>ACS Nano</i> , 2012, 6, 5164-5173.	14.6	1,282
43	Oxidative dissolution of polymer-coated CdSe/ZnS quantum dots under UV irradiation: Mechanisms and kinetics. <i>Environmental Pollution</i> , 2012, 164, 259-266.	7.5	51