

# Yi Yang

## List of Publications by Year in descending order

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Version: 2024-02-01

78  
papers

5,094  
citations

117625

34  
h-index

88630

70  
g-index

83  
all docs

83  
docs citations

83  
times ranked

5679  
citing authors

#	ARTICLE	IF	CITATIONS
1	Extraction and quantification of metal-containing nanoparticles in marine shellfish based on single particle inductively coupled plasma-mass spectrometry technique. <i>Journal of Hazardous Materials</i> , 2022, 424, 127383.	12.4	12
2	Increasing mercury risk of fly ash generated from coal-fired power plants in China. <i>Journal of Hazardous Materials</i> , 2022, 429, 128296.	12.4	15
3	Nanoparticles in the Earth surface systems and their effects on the environment and resource. <i>Gondwana Research</i> , 2022, 110, 370-392.	6.0	11
4	Metagenomics highlights the impact of climate and human activities on antibiotic resistance genes in China's estuaries. <i>Environmental Pollution</i> , 2022, 301, 119015.	7.5	20
5	Impacts of photoaging on the interactions between graphene oxide and proteins: Mechanisms and biological effect. <i>Water Research</i> , 2022, 216, 118371.	11.3	10
6	Vast emission of Fe- and Ti-containing nanoparticles from representative coal-fired power plants in China and environmental implications. <i>Science of the Total Environment</i> , 2022, 838, 156070.	8.0	10
7	Plastic properties affect the composition of prokaryotic and eukaryotic communities and further regulate the ARGs in their surface biofilms. <i>Science of the Total Environment</i> , 2022, 839, 156362.	8.0	11
8	Occurrence and distribution of PAHs and microbial communities in nearshore sediments of the Knysna Estuary, South Africa. <i>Environmental Pollution</i> , 2021, 270, 116083.	7.5	16
9	Titanium and zinc-containing nanoparticles in estuarine sediments: Occurrence and their environmental implications. <i>Science of the Total Environment</i> , 2021, 754, 142388.	8.0	28
10	The Case for a Critical Zone Science Approach to Research on Estuarine and Coastal Wetlands in the Anthropocene. <i>Estuaries and Coasts</i> , 2021, 44, 911-920.	2.2	10
11	New insights into the facilitated dissolution and sulfidation of silver nanoparticles under simulated sunlight irradiation in aquatic environments by extracellular polymeric substances. <i>Environmental Science: Nano</i> , 2021, 8, 748-757.	4.3	15
12	Sorption and leaching behaviors between aged MPs and BPA in water: The role of BPA binding modes within plastic matrix. <i>Water Research</i> , 2021, 195, 116956.	11.3	86
13	Metal-Containing Nanoparticles in Low-Rank Coal-Derived Fly Ash from China: Characterization and Implications toward Human Lung Toxicity. <i>Environmental Science &amp; Technology</i> , 2021, 55, 6644-6654.	10.0	28
14	Simple Method for the Extraction and Determination of Ti-, Zn-, Ag-, and Au-Containing Nanoparticles in Sediments Using Single-Particle Inductively Coupled Plasma Mass Spectrometry. <i>Environmental Science &amp; Technology</i> , 2021, 55, 10354-10364.	10.0	22
15	New insights into the colloidal stability of graphene oxide in aquatic environment: Interplays of photoaging and proteins. <i>Water Research</i> , 2021, 200, 117213.	11.3	19
16	Human activities can drive sulfate-reducing bacteria community in Chinese intertidal sediments by affecting metal distribution. <i>Science of the Total Environment</i> , 2021, 786, 147490.	8.0	17
17	New insights into the enhanced transport of uncoated and polyvinylpyrrolidone-coated silver nanoparticles in saturated porous media by dissolved black carbons. <i>Chemosphere</i> , 2021, 283, 131159.	8.2	5
18	Fast Screening of Coal Fly Ash with Potential for Rare Earth Element Recovery by Electron Paramagnetic Resonance Spectroscopy. <i>Environmental Science &amp; Technology</i> , 2021, 55, 16716-16722.	10.0	6

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19	Time-dependent effects of ZnO nanoparticles on bacteria in an estuarine aquatic environment. <i>Science of the Total Environment</i> , 2020, 698, 134298.	8.0	16
20	Fast degradation, large capacity, and high electron efficiency of chloramphenicol removal by different carbon-supported nanoscale zerovalent iron. <i>Journal of Hazardous Materials</i> , 2020, 384, 121253.	12.4	52
21	Antibiotic resistance genes in sediments of the Yangtze Estuary: From 2007 to 2019. <i>Science of the Total Environment</i> , 2020, 744, 140713.	8.0	37
22	Mechanisms responsible for N <sub>2</sub> O emissions from intertidal soils of the Yangtze Estuary. <i>Science of the Total Environment</i> , 2020, 716, 137073.	8.0	20
23	Antibiotic resistance genes in biofilms on plastic wastes in an estuarine environment. <i>Science of the Total Environment</i> , 2020, 745, 140916.	8.0	77
24	Anaerobic ammonium oxidation (anammox) bacterial diversity, abundance, and activity in sediments of the Indus Estuary. <i>Estuarine, Coastal and Shelf Science</i> , 2020, 243, 106925.	2.1	11
25	Antibiotic resistance genes (ARGs) and their associated environmental factors in the Yangtze Estuary, China: From inlet to outlet. <i>Marine Pollution Bulletin</i> , 2020, 158, 111360.	5.0	34
26	Community dynamics and activity of nirS-harboring denitrifiers in sediments of the Indus River Estuary. <i>Marine Pollution Bulletin</i> , 2020, 153, 110971.	5.0	12
27	Sulfate-reducing bacteria (SRB) can enhance the uptake of silver-containing nanoparticles by a wetland plant. <i>Environmental Science: Nano</i> , 2020, 7, 912-925.	4.3	7
28	Environmental estrogen exposure converts lipid metabolism in male fish to a female pattern mediated by AMPK and mTOR signaling pathways. <i>Journal of Hazardous Materials</i> , 2020, 394, 122537.	12.4	41
29	Impacts of Proteins on Dissolution and Sulfidation of Silver Nanowires in an Aquatic Environment: Importance of Surface Charges. <i>Environmental Science &amp; Technology</i> , 2020, 54, 5560-5568.	10.0	19
30	Characteristics of microbial community indicate anthropogenic impact on the sediments along the Yangtze Estuary and its coastal area, China. <i>Science of the Total Environment</i> , 2019, 648, 306-314.	8.0	70
31	Impacts of sulfidation of silver nanowires on the degradation of bisphenol A in water. <i>Ecotoxicology and Environmental Safety</i> , 2019, 185, 109739.	6.0	2
32	Impact of ZnO nanoparticles on the antibiotic resistance genes (ARGs) in estuarine water: ARG variations and their association with the microbial community. <i>Environmental Science: Nano</i> , 2019, 6, 2405-2419.	4.3	31
33	Trophodynamics and parabolic behaviors of polycyclic aromatic hydrocarbons in an urbanized lake food web, Shanghai. <i>Ecotoxicology and Environmental Safety</i> , 2019, 178, 17-24.	6.0	18
34	Indigenous PAH degraders along the gradient of the Yangtze Estuary of China: Relationships with pollutants and their bioremediation implications. <i>Marine Pollution Bulletin</i> , 2019, 142, 419-427.	5.0	24
35	Natural, incidental, and engineered nanomaterials and their impacts on the Earth system. <i>Science</i> , 2019, 363, .	12.6	479
36	Pulmonary Exposure to Magnesium Phase Titanium Suboxides Results in Significant Macrophage Abnormalities and Decreased Lung Function. <i>Frontiers in Immunology</i> , 2019, 10, 2714.	4.8	12

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37	Distributing sulfidized nanoscale zerovalent iron onto phosphorus-functionalized biochar for enhanced removal of antibiotic florfenicol. <i>Chemical Engineering Journal</i> , 2019, 359, 713-722.	12.7	120
38	Comparing and modeling sedimentary profiles of elemental carbon and polycyclic aromatic hydrocarbons between early- and newly-urbanized areas in Shanghai. <i>Environmental Pollution</i> , 2019, 244, 971-979.	7.5	14
39	Sulphate-reducing bacteria (SRB) in the Yangtze Estuary sediments: Abundance, distribution and implications for the bioavailability of metals. <i>Science of the Total Environment</i> , 2018, 634, 296-304.	8.0	66
40	Molecular characterization of PAHs based on land use analysis and multivariate source apportionment in multiple phases of the Yangtze estuary, China. <i>Environmental Sciences: Processes and Impacts</i> , 2018, 20, 531-543.	3.5	11
41	Modeling and evaluating spatial variation of polycyclic aromatic hydrocarbons in urban lake surface sediments in Shanghai. <i>Environmental Pollution</i> , 2018, 235, 1-10.	7.5	44
42	Biofilms as a sink for antibiotic resistance genes (ARGs) in the Yangtze Estuary. <i>Water Research</i> , 2018, 129, 277-286.	11.3	193
43	Insight into the kinetics and mechanism of removal of aqueous chlorinated nitroaromatic antibiotic chloramphenicol by nanoscale zero-valent iron. <i>Chemical Engineering Journal</i> , 2018, 334, 508-518.	12.7	123
44	Bacterial community structure in response to environmental impacts in the intertidal sediments along the Yangtze Estuary, China. <i>Marine Pollution Bulletin</i> , 2018, 126, 141-149.	5.0	53
45	Nitrogen fixation in surface sediments of the East China Sea: Occurrence and environmental implications. <i>Marine Pollution Bulletin</i> , 2018, 137, 542-548.	5.0	16
46	Seasonal and spatial distribution of antibiotic resistance genes in the sediments along the Yangtze Estuary, China. <i>Environmental Pollution</i> , 2018, 242, 576-584.	7.5	93
47	Cytotoxicity of TiO <sub>2</sub> nanoparticles toward <i>Escherichia coli</i> in an aquatic environment: effects of nanoparticle structural oxygen deficiency and aqueous salinity. <i>Environmental Science: Nano</i> , 2017, 4, 1178-1188.	4.3	24
48	Environmental Risk Implications of Metals in Sludges from Waste Water Treatment Plants: The Discovery of Vast Stores of Metal-Containing Nanoparticles. <i>Environmental Science &amp; Technology</i> , 2017, 51, 4831-4840.	10.0	108
49	Removal of Antibiotic Florfenicol by Sulfide-Modified Nanoscale Zero-Valent Iron. <i>Environmental Science &amp; Technology</i> , 2017, 51, 11269-11277.	10.0	251
50	Seasonal variation, flux estimation, and source analysis of dissolved emerging organic contaminants in the Yangtze Estuary, China. <i>Marine Pollution Bulletin</i> , 2017, 125, 208-215.	5.0	69
51	Bacterial community structure in the intertidal biofilm along the Yangtze Estuary, China. <i>Marine Pollution Bulletin</i> , 2017, 124, 314-320.	5.0	35
52	Discovery and ramifications of incidental MagnÃ©li phase generation and release from industrial coal-burning. <i>Nature Communications</i> , 2017, 8, 194.	12.8	44
53	Nanoparticles in road dust from impervious urban surfaces: distribution, identification, and environmental implications. <i>Environmental Science: Nano</i> , 2016, 3, 534-544.	4.3	68
54	Outdoor urban nanomaterials: The emergence of a new, integrated, and critical field of study. <i>Science of the Total Environment</i> , 2016, 557-558, 740-753.	8.0	90

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55	PAH determination based on a rapid and novel gas purge-microsyringe extraction (GP-MSE) technique in road dust of Shanghai, China: Characterization, source apportionment, and health risk assessment. <i>Science of the Total Environment</i> , 2016, 557-558, 688-696.	8.0	26
56	PCBs and OCPs in fish along coastal fisheries in China: Distribution and health risk assessment. <i>Marine Pollution Bulletin</i> , 2016, 111, 483-487.	5.0	36
57	Application of a multi-method approach in characterization of natural aquatic colloids from different sources along Huangpu River in Shanghai, China. <i>Science of the Total Environment</i> , 2016, 554-555, 228-236.	8.0	16
58	Adsorption behavior and mechanism of chloramphenicols, sulfonamides, and non-antibiotic pharmaceuticals on multi-walled carbon nanotubes. <i>Journal of Hazardous Materials</i> , 2016, 310, 235-245.	12.4	338
59	Occurrence, distribution and risk assessment of estrogens in surface water, suspended particulate matter, and sediments of the Yangtze Estuary. <i>Chemosphere</i> , 2015, 127, 109-116.	8.2	100
60	Characterization and sources analysis of polycyclic aromatic hydrocarbons in surface sediments in the Yangtze River Estuary. <i>Environmental Earth Sciences</i> , 2015, 73, 2453-2462.	2.7	24
61	Importance of a Nanoscience Approach in the Understanding of Major Aqueous Contamination Scenarios: Case Study from a Recent Coal Ash Spill. <i>Environmental Science &amp; Technology</i> , 2015, 49, 3375-3382.	10.0	48
62	Effects of Sulfamethazine on Denitrification and the Associated N <sub>2</sub> O Release in Estuarine and Coastal Sediments. <i>Environmental Science &amp; Technology</i> , 2015, 49, 326-333.	10.0	169
63	Nutrients and contaminants in tissues of five fish species obtained from Shanghai markets: Risk-benefit evaluation from human health perspectives. <i>Science of the Total Environment</i> , 2015, 536, 933-945.	8.0	32
64	Effect of colloids on the occurrence, distribution and photolysis of emerging organic contaminants in wastewaters. <i>Journal of Hazardous Materials</i> , 2015, 299, 241-248.	12.4	52
65	Selected emerging organic contaminants in the Yangtze Estuary, China: A comprehensive treatment of their association with aquatic colloids. <i>Journal of Hazardous Materials</i> , 2015, 283, 14-23.	12.4	68
66	Polycyclic aromatic hydrocarbons (PAHs) in Chinese coal: occurrence and sorption mechanism. <i>Environmental Earth Sciences</i> , 2014, 71, 623-630.	2.7	5
67	Degradation of chloramphenicol by thermally activated persulfate in aqueous solution. <i>Chemical Engineering Journal</i> , 2014, 246, 373-382.	12.7	378
68	Environmental estrogens in a drinking water reservoir area in Shanghai: Occurrence, colloidal contribution and risk assessment. <i>Science of the Total Environment</i> , 2014, 487, 785-791.	8.0	65
69	Occurrence and distribution of antibiotics in the surface sediments of the Yangtze Estuary and nearby coastal areas. <i>Marine Pollution Bulletin</i> , 2014, 83, 317-323.	5.0	120
70	Antibiotics in the surface water of the Yangtze Estuary: Occurrence, distribution and risk assessment. <i>Environmental Pollution</i> , 2013, 175, 22-29.	7.5	530
71	Simultaneous determination of steroidal and phenolic endocrine disrupting chemicals in fish by ultra-high-performance liquid chromatography-mass spectrometry/mass spectrometry. <i>Journal of Chromatography A</i> , 2013, 1278, 126-132.	3.7	25
72	PAHs in indoor dust samples in Shanghai's universities: levels, sources and human exposure. <i>Environmental Geochemistry and Health</i> , 2012, 34, 587-596.	3.4	33

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73	Distribution of PAHs in tissues of wetland plants and the surrounding sediments in the Chongming wetland, Shanghai, China. <i>Chemosphere</i> , 2012, 89, 221-227.	8.2	65
74	Sorption behavior of phenanthrene in Yangtze estuarine sediments: Sequential separation. <i>Marine Pollution Bulletin</i> , 2011, 62, 1025-1031.	5.0	11
75	Phenanthrene sorption to Chinese coal: Importance of coal's geochemical properties. <i>Journal of Hazardous Materials</i> , 2011, 192, 86-92.	12.4	9
76	Occurrence of coal and coal-derived particle-bound polycyclic aromatic hydrocarbons (PAHs) in a river floodplain soil. <i>Environmental Pollution</i> , 2008, 151, 121-129.	7.5	78
77	Organochlorine pesticides in surface sediments and suspended particulate matters from the Yangtze estuary, China. <i>Environmental Pollution</i> , 2008, 156, 168-173.	7.5	104
78	Sorption of polycyclic aromatic hydrocarbons (PAHs) to carbonaceous materials in a river floodplain soil. <i>Environmental Pollution</i> , 2008, 156, 1357-1363.	7.5	37