Yuxiu Zhang

List of Publications by Year
in descending order

32 papers	1,288 citations	394421 19 h-index	414414 32 g-index
35 all docs	35 docs citations	35 times ranked	1659 citing authors

#	Article	IF	Citations
1	Impacts of addition of natural zeolite or a nitrification inhibitor on antibiotic resistance genes during sludge composting. Water Research, 2016, 91, 339-349.	11.3	255
2	Antioxidative response of metal-accumulator and non-accumulator plants under cadmium stress. Plant and Soil, 2008, 310, 137-149.	3.7	121
3	Silicon attenuates cadmium toxicity in Solanum nigrum L. by reducing cadmium uptake and oxidative stress. Plant Physiology and Biochemistry, 2013, 68, 1-7.	5.8	108
4	Isolation and characterization of a novel cadmium-regulated Yellow Stripe-Like transporter (SnYSL3) in Solanum nigrum. Plant Cell Reports, 2017, 36, 281-296.	5.6	74
5	Land Subsidence in a Coal Mining Area Reduced Soil Fertility and Led to Soil Degradation in Arid and Semi-Arid Regions. International Journal of Environmental Research and Public Health, 2019, 16, 3929.	2.6	66
6	Indian Mustard Aquaporin Improves Drought and Heavy-metal Resistance in Tobacco. Molecular Biotechnology, 2008, 40, 280-292.	2.4	61
7	The response of soil bacterial communities to mining subsidence in the west China aeolian sand area. Applied Soil Ecology, 2017, 121, 1-10.	4.3	61
8	Performance prediction of ZVI-based anaerobic digestion reactor using machine learning algorithms. Waste Management, 2021, 121, 59-66.	7.4	56
9	Metagenomic insights into the microbiota profiles and bioaugmentation mechanism of organics removal in coal gasification wastewater in an anaerobic/anoxic/oxic system by methanol. Bioresource Technology, 2018, 264, 106-115.	9.6	53
10	Identification of a cluster-situated activator of oxytetracycline biosynthesis and manipulation of its expression for improved oxytetracycline production in Streptomyces rimosus. Microbial Cell Factories, 2015, 14, 46.	4.0	50
11	Cloning and Expression Analysis of SKn-Type Dehydrin Gene From Bean in Response to Heavy Metals. Molecular Biotechnology, 2006, 32, 205-218.	2.4	38
12	Rapid in vitro multiplication and ex vitro rooting of Malus zumi (Matsumura) Rehd. Acta Physiologiae Plantarum, 2007, 30, 129-132.	2.1	38
13	New insights of enhanced anaerobic degradation of refractory pollutants in coking wastewater: Role of zero-valent iron in metagenomic functions. Bioresource Technology, 2020, 300, 122667.	9.6	36
14	Characteristics of biochars prepared by co-pyrolysis of sewage sludge and cotton stalk intended for use as soil amendments. Environmental Technology (United Kingdom), 2020, 41, 1347-1357.	2.2	35
15	A novel phenol and ammonia recovery process for coal gasification wastewater altering the bacterial community and increasing pollutants removal in anaerobic/anoxic/aerobic system. Science of the Total Environment, 2019, 661, 203-211.	8.0	33
16	Improvement of oxytetracycline production mediated via cooperation of resistance genes in Streptomyces rimosus. Science China Life Sciences, 2017, 60, 992-999.	4.9	32
17	Expression and function of two dehydrins under environmental stresses in Brassica juncea L.. Molecular Breeding, 2008, 21, 431-438.	2.1	26
18	Growth and Cadmium Accumulation of Solanum nigrum L. Seedling were Enhanced by Heavy Metal-Tolerant Strains of Pseudomonas aeruginosa. Water, Air, and Soil Pollution, 2016, 227, 1.	2.4	26

#	Article	IF	Citations
19	Deciphering soil bacterial community structure in subsidence area caused by underground coal mining in arid and semiarid area. Applied Soil Ecology, 2021, 163, 103916.	4.3	20
20	Cloning, characterization, and expression of the BjEXPA1 gene and its promoter region from Brassica juncea L.. Plant Growth Regulation, 2011, 64, 39-51.	3.4	14
21	Quinoline-degrading strainPseudomonas aeruginosaKDQ4 isolated from coking activated sludge is capable of the simultaneous removal of phenol in a dual substrate system. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2016, 51, 1139-1148.	1.7	14
22	The enhancement of pyridine degradation byRhodococcusKDPy1 in coking wastewater. FEMS Microbiology Letters, 2019, 366, .	1.8	14
23	Analysis of a diverse bacterial community and degradation of organic compounds in a bioprocess for coking wastewater treatment. Desalination and Water Treatment, 2016, 57, 19096-19105.	1.0	11
24	A copper-responsive gene cluster is required for copper homeostasis and contributes to oxidative resistance in Deinococcus radiodurans R1. Molecular BioSystems, 2014, 10, 2607-2616.	2.9	9
25	Rhizosphere Soil Microbial Properties on Tetraena mongolica in the Arid and Semi-Arid Regions, China. International Journal of Environmental Research and Public Health, 2020, 17, 5142.	2.6	9
26	Vegetation dynamics of coal mining city in an arid desert region of Northwest China from 2000 to 2019. Journal of Arid Land, 2021, 13, 534-547.	2.3	8
27	Analysis of polycyclic aromatic hydrocarbons (PAHs) and their adsorption characteristics on activated sludge during biological treatment of coking wastewater. Desalination and Water Treatment, 2016, 57, 23633-23643.	1.0	6
28	PCR-enriched cDNA pool method for cloning of gene homologues. Plant Molecular Biology Reporter, 2005, 23, 219-226.	1.8	4
29	Occurrence and Succession of Bacterial Community in O3/BAC Process of Drinking Water Treatment. International Journal of Environmental Research and Public Health, 2019, 16, 3112.	2.6	4
30	The Response of Arbuscular Mycorrhizal Fungal Communities to the Soil Environment of Underground Mining Subsidence Area in Northwest China. International Journal of Environmental Research and Public Health, 2020, 17, 9157.	2.6	4
31	Bioaugmentation of quinoline-degrading bacteria for coking wastewater treatment: performance and microbial community analysis. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2022, 57, 601-619.	1.7	1
32	Silicon-induced alleviation of cadmium toxicity in hyperaccumulator Solanum nigrum L. , 2011, , .		0