

# Wendan Xiao

## List of Publications by Year in descending order

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22  
papers

783  
citations

516561

16  
h-index

677027

22  
g-index

22  
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22  
docs citations

22  
times ranked

946  
citing authors

#	ARTICLE	IF	CITATIONS
1	Cadmium phytoavailability to rice ( <i>Oryza sativa</i> L.) grown in representative Chinese soils. A model to improve soil environmental quality guidelines for food safety. <i>Ecotoxicology and Environmental Safety</i> , 2014, 103, 101-107.	2.9	147
2	Bioremediation of Cd and carbendazim co-contaminated soil by Cd-hyperaccumulator <i>Sedum alfredii</i> associated with carbendazim-degrading bacterial strains. <i>Environmental Science and Pollution Research</i> , 2013, 20, 380-389.	2.7	65
3	Assessment of heavy metal pollution in vegetables and relationships with soil heavy metal distribution in Zhejiang province, China. <i>Environmental Monitoring and Assessment</i> , 2015, 187, 378.	1.3	62
4	Effects of alternating wetting and drying versus continuous flooding on chromium fate in paddy soils. <i>Ecotoxicology and Environmental Safety</i> , 2015, 113, 439-445.	2.9	52
5	Reduction Kinetics of Hexavalent Chromium in Soils and Its Correlation with Soil Properties. <i>Journal of Environmental Quality</i> , 2012, 41, 1452-1458.	1.0	51
6	Evaluation of cadmium transfer from soil to leafy vegetables: Influencing factors, transfer models, and indication of soil threshold contents. <i>Ecotoxicology and Environmental Safety</i> , 2018, 164, 355-362.	2.9	51
7	Phytoavailability of Cadmium (Cd) to Pak Choi ( <i>Brassica chinensis</i> L.) Grown in Chinese Soils: A Model to Evaluate the Impact of Soil Cd Pollution on Potential Dietary Toxicity. <i>PLoS ONE</i> , 2014, 9, e111461.	1.1	49
8	Isolation and characterization of chromium(VI)-reducing <i>Bacillus</i> sp. FY1 and <i>Arthrobacter</i> sp. WZ2 and their bioremediation potential. <i>Bioremediation Journal</i> , 2017, 21, 100-108.	1.0	38
9	Nitric oxide enhances development of lateral roots in tomato ( <i>Solanum lycopersicum</i> L.) under elevated carbon dioxide. <i>Planta</i> , 2013, 237, 137-144.	1.6	37
10	Enhancement of Cd phytoextraction by hyperaccumulator <i>Sedum alfredii</i> using electrical field and organic amendments. <i>Environmental Science and Pollution Research</i> , 2017, 24, 5060-5067.	2.7	31
11	Combined effects of rice straw-derived biochar and water management on transformation of chromium and its uptake by rice in contaminated soils. <i>Ecotoxicology and Environmental Safety</i> , 2021, 208, 111506.	2.9	26
12	The effect of sepiolite application on rice Cd uptake – A two-year field study in Southern China. <i>Journal of Environmental Management</i> , 2020, 254, 109788.	3.8	25
13	Model for Evaluation of the Phytoavailability of Chromium (Cr) to Rice ( <i>Oryza sativa</i> L.) in Representative Chinese Soils. <i>Journal of Agricultural and Food Chemistry</i> , 2013, 61, 2925-2932.	2.4	23
14	Continuous flooding stimulates root iron plaque formation and reduces chromium accumulation in rice ( <i>Oryza sativa</i> L.). <i>Science of the Total Environment</i> , 2021, 788, 147786.	3.9	22
15	Effects of organic substances on struvite crystallization and recovery. <i>Desalination and Water Treatment</i> , 2016, 57, 10924-10933.	1.0	20
16	Responses of microbial community composition and function to biochar and irrigation management and the linkage to Cr transformation in paddy soil. <i>Environmental Pollution</i> , 2022, 304, 119232.	3.7	17
17	Accumulation of Chromium in Pak Choi ( <i>Brassica chinensis</i> L.) Grown on Representative Chinese Soils. <i>Journal of Environmental Quality</i> , 2013, 42, 758-765.	1.0	15
18	Chromium-Resistant Bacteria Promote the Reduction of Hexavalent Chromium in Soils. <i>Journal of Environmental Quality</i> , 2014, 43, 507-516.	1.0	14

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19	Responses to cadmium stress in two tomato genotypes differing in heavy metal accumulation. Turkish Journal of Botany, 2015, 39, 615-624.	0.5	14
20	Evaluation of cadmium (Cd) transfer from paddy soil to rice ( <i>Oryza sativa</i> L.) using DGT in comparison with conventional chemical methods: derivation of models to predict Cd accumulation in rice grains. Environmental Science and Pollution Research, 2020, 27, 14953-14962.	2.7	12
21	Elevated Carbon Dioxide Induces Stomatal Closure of <i>Arabidopsis thaliana</i> (L.) Heynh. Through an Increased Production of Nitric Oxide. Journal of Plant Growth Regulation, 2015, 34, 372-380.	2.8	10
22	Multi-Component Passivators Regulate Heavy Metal Accumulation in Paddy Soil and Rice: A Three-Site Field Experiment in South China. Toxics, 2022, 10, 259.	1.6	2