M J I Shohag

List of Publications by Year
in descending order

35 papers	1,230 citations	361413 20 h-index	377865 34 g-index
36 all docs	36 docs citations	36 times ranked	1525 citing authors

#	Article	IF	Citations
1	Root cell wall polysaccharides are involved in cadmium hyperaccumulation in Sedum alfredii. Plant and Soil, 2015, 389, 387-399.	3.7	111
2	Complexation with dissolved organic matter and mobility control of heavy metals in the rhizosphere of hyperaccumulator Sedum alfredii. Environmental Pollution, 2013, 182, 248-255.	7.5	110
3	Biofortification and Bioavailability of Rice Grain Zinc as Affected by Different Forms of Foliar Zinc Fertilization. PLoS ONE, 2012, 7, e45428.	2.5	83
4	Enhanced expression of SaHMA3 plays critical roles in Cd hyperaccumulation and hypertolerance in Cd hyperaccumulator Sedum alfredii Hance. Planta, 2016, 243, 577-589.	3.2	81
5	Changes of Folate and Other Potential Health-Promoting Phytochemicals in Legume Seeds As Affected by Germination. Journal of Agricultural and Food Chemistry, 2012, 60, 9137-9143.	5.2	78
6	Metallothionein 2 (SaMT2) from Sedum alfredii Hance Confers Increased Cd Tolerance and Accumulation in Yeast and Tobacco. PLoS ONE, 2014, 9, e102750.	2.5	73
7	Effects of Foliar Iron Application on Iron Concentration in Polished Rice Grain and Its Bioavailability. Journal of Agricultural and Food Chemistry, 2012, 60, 11433-11439.	5.2	68
8	Iron concentration, bioavailability, and nutritional quality of polished rice affected by different forms of foliar iron fertilizer. Food Chemistry, 2013, 141, 4122-4126.	8.2	64
9	Effect of Zinc Sulfate Fortification in Germinated Brown Rice on Seed Zinc Concentration, Bioavailability, and Seed Germination. Journal of Agricultural and Food Chemistry, 2012, 60, 1871-1879.	5.2	43
10	Combined use of arbuscular mycorrhizal fungus and selenium fertilizer shapes microbial community structure and enhances organic selenium accumulation in rice grain. Science of the Total Environment, 2020, 748, 141166.	8.0	43
11	Effect of ferrous sulfate fortification in germinated brown rice on seed iron concentration and bioavailability. Food Chemistry, 2013, 138, 1952-1958.	8.2	42
12	Natural Variation of Folate Content and Composition in Spinach (Spinacia oleracea) Germplasm. Journal of Agricultural and Food Chemistry, 2011, 59, 12520-12526.	5.2	39
13	Sorption of sulphamethoxazole by the biochars derived from rice straw and alligator flag. Environmental Technology (United Kingdom), 2015, 36, 245-253.	2.2	35
14	Role of sulfur assimilation pathway in cadmium hyperaccumulation by Sedum alfredii Hance. Ecotoxicology and Environmental Safety, 2014, 100, 159-165.	6.0	30
15	Foliar application of zinc and selenium alleviates cadmium and lead toxicity of water spinach â€“ Bioavailability/cytotoxicity study with human cell lines. Environment International, 2020, 145, 106122.	10.0	29
16	Comparative evaluation of in vivo relative bioavailability and in vitro bioaccessibility of arsenic in leafy vegetables and its implication in human exposure assessment. Journal of Hazardous Materials, 2022, 423, 126909.	12.4	29
17	Lead tolerance and cellular distribution in Elsholtzia splendens using synchrotron radiation micro-X-ray fluorescence. Journal of Hazardous Materials, 2011, 197, 264-271.	12.4	28
18	Endophytic inoculation coupled with soil amendment and foliar inhibitor ensure phytoremediation and argo-production in cadmium contaminated soil under oilseed rape-rice rotation system. Science of the Total Environment, 2020, 748, 142481.	8.0	28

#	Article	IF	Citations
19	Recovery of 15N-labeled urea and soil nitrogen dynamics as affected by irrigation management and nitrogen application rate in a double rice cropping system. Plant and Soil, 2011, 343, 195-208.	3.7	26
20	Effect of Different Forms of Selenium on the Physiological Response and the Cadmium Uptake by Rice under Cadmium Stress. International Journal of Environmental Research and Public Health, 2020, 17, 6991.	2.6	21
21	Transcriptome Comparison Reveals the Adaptive Evolution of Two Contrasting Ecotypes of Zn/Cd Hyperaccumulator Sedum alfredii Hance. Frontiers in Plant Science, 2017, 8, 425.	3.6	19
22	Bioaccessibility and Human Exposure Assessment of Cadmium and Arsenic in Pakchoi Genotypes Grown in Co-Contaminated Soils. International Journal of Environmental Research and Public Health, 2017, 14, 977.	2.6	19
23	Characterization of 68Zn uptake, translocation, and accumulation into developing grains and young leaves of high Zn-density rice genotype. Journal of Zhejiang University: Science B, 2011, 12, 408-418.	2.8	18
24	Folate Content and Composition of Vegetables Commonly Consumed in China. Journal of Food Science, 2012, 77, H239-45.	3.1	18
25	Zinc uptake kinetics in the low and high-affinity systems of two contrasting rice genotypes. Journal of Plant Nutrition and Soil Science, 2014, 177, 412-420.	1.9	18
26	A rapid method for sensitive profiling of folates from plant leaf by ultra-performance liquid chromatography coupled to tandem quadrupole mass spectrometer. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2017, 1040, 169-179.	2.3	18
27	A phytoremediation coupled with agro-production mode suppresses Fusarium wilt disease and alleviates cadmium phytotoxicity of cucumber (Cucumis sativus L.) in continuous cropping greenhouse soil. Chemosphere, 2021, 270, 128634.	8.2	15
28	COVID-19 Crisis: How Can Plant Biotechnology Help?. Plants, 2021, 10, 352.	3.5	12
29	In Vivoâ€"In Vitro Correlations for the Assessment of Cadmium Bioavailability in Vegetables. Journal of Agricultural and Food Chemistry, 2021, 69, 12295-12304.	5.2	10
30	Formyl tetrahydrofolate deformylase affects hydrogen peroxide accumulation and leaf senescence by regulating the folate status and redox homeostasis in rice. Science China Life Sciences, 2021, 64, 720-738.	4.9	9
31	Genetic and physiological regulation of folate in pak choi (Brassica rapa subsp. Chinensis) germplasm. Journal of Experimental Botany, 2020, 71, 4914-4929.	4.8	8
32	Screening of 19 Salix clones in effective phytofiltration potentials of manganese, zinc and copper in pilot-scale wetlands. International Journal of Phytoremediation, 2018, 20, 1275-1283.	3.1	2
33	Evaluation of selenium bioavailability to Brassica juncea in representative Chinese soils based on diffusive gradients in thin-films (DGT) and chemical extraction methods. International Journal of Phytoremediation, 2020, 22, 952-962.	3.1	2
34	Iron Translocation in Two Grain Concentration Contrasting Rice (Oryza SativaL. Indica) Genotypes. Communications in Soil Science and Plant Analysis, 2015, 46, 2258-2273.	1.4	0
35	Assessment of Indicators in a Human Liver Cell Line HL-7702 for Tetracycline Toxicity in Farm Soil. Agronomy, 2022, 12, 730.	3.0	0