Zhao Xiaohu

List of Publications by Year
in descending order

42 papers	1,872 citations	361413 20 h-index	265206 42 g-index
44 all docs	44 docs citations	44 times ranked	1762 citing authors

#	Article	IF	Citations
1	Selenium combined with chitin reduced phosphorus leaching in soil with pomelo by driving soil phosphorus cycle via microbial community. Journal of Environmental Chemical Engineering, 2022, 10, 107060.	6.7	8
2	Selenium Combined with Methyl Jasmonate to Control Tomato Gray Mold by Optimizing Microbial Community Structure in Plants. Journal of Fungi (Basel, Switzerland), 2022, 8, 731.	3.5	7
3	Effects of soil amendments on soil fertility and fruit yield through alterations in soil carbon fractions. Journal of Soils and Sediments, 2021, 21, 2628-2638.	3.0	9
4	Se changed the component of organic chemicals and Cr bioavailability in pak choi rhizosphere soil. Environmental Science and Pollution Research, 2021, 28, 67331-67342.	5.3	4
5	Microbes: a potential tool for selenium biofortification. Metallomics, 2021, 13, .	2.4	19
6	Selenium restores mitochondrial dysfunction to reduce Cr-induced cell apoptosis in Chinese cabbage (Brassica campestris L. ssp. Pekinensis) root tips. Ecotoxicology and Environmental Safety, 2021, 223, 112564.	6.0	18
7	Soil applied Ca, Mg and B altered phyllosphere and rhizosphere bacterial microbiome and reduced Huanglongbing incidence in Gannan Navel Orange. Science of the Total Environment, 2021, 791, 148046.	8.0	17
8	Selenium improved the combined remediation efficiency of Pseudomonas aeruginosa and ryegrass on cadmium-nonylphenol co-contaminated soil. Environmental Pollution, 2021, 287, 117552.	7.5	14
9	Chitin combined with selenium reduced nitrogen loss in soil and improved nitrogen uptake efficiency in Guanxi pomelo orchard. Science of the Total Environment, 2021, 799, 149414.	8.0	18
10	Selenium as a potential fungicide could protect oilseed rape leaves from Sclerotinia sclerotiorum infection. Environmental Pollution, 2020, 257, 113495.	7.5	23
11	Enhancement and improvement of selenium in soil to the resistance of rape stem against Sclerotinia sclerotiorum and the inhibition of dissolved organic matter derived from rape straw on mycelium. Environmental Pollution, 2020, 265, 114827.	7.5	15
12	Direct ring-strain loading for visible-light accelerated bioorthogonal ligation via diarylsydnone-dibenzo[b,fâ€‰][1,4,5]thiadiazepine photo-click reactions. Communications Chemistry, 2020, 3, .	4.5	25
13	Antimony symplastic and apoplastic absorption, compartmentation, and xylem translocation in Brassica parachinensis L. under antimonate and antimonite. Ecotoxicology and Environmental Safety, 2020, 197, 110621.	6.0	9
14	Selenium (Se) reduces Sclerotinia stem rot disease incidence of oilseed rape by increasing plant Se concentration and shifting soil microbial community and functional profiles. Environmental Pollution, 2019, 254, 113051.	7.5	54
15	Selenium reduces the pathogenicity of Sclerotinia sclerotiorum by inhibiting sclerotial formation and germination. Ecotoxicology and Environmental Safety, 2019, 183, 109503.	6.0	18
16	Cadmium in plants: uptake, toxicity, and its interactions with selenium fertilizers. Metallomics, 2019, 11, 255-277.	2.4	386
17	Modified Rice Straw Enhanced Cadmium (II) Immobilization in Soil and Promoted the Degradation of Phenanthrene in Co-Contaminated Soil. International Journal of Molecular Sciences, 2019, 20, 2189.	4.1	19
18	Selenium induces changes of rhizosphere bacterial characteristics and enzyme activities affecting chromium/selenium uptake by pak choi (Brassica campestris L. ssp. Chinensis Makino) in chromium contaminated soil. Environmental Pollution, 2019, 249, 716-727.	7.5	44

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19	Selenium alleviated chromium stress in Chinese cabbage (Brassica campestris L. ssp. Pekinensis) by regulating root morphology and metal element uptake. Ecotoxicology and Environmental Safety, 2019, 173, 314-321.	6.0	136
20	Dissolved organic matter derived from rape straw pretreated with selenium in soil improves the inhibition of Sclerotinia sclerotiorum growth. Journal of Hazardous Materials, 2019, 369, 601-610.	12.4	22
21	Selenium reduces cadmium accumulation in seed by increasing cadmium retention in root of oilseed rape (Brassica napus L.). Environmental and Experimental Botany, 2019, 158, 161-170.	4.2	80
22	Research on the nitrogen transformation in rhizosphere of winter wheat (Triticum aestivum) under molybdenum addition. Environmental Science and Pollution Research, 2019, 26, 2363-2374.	5.3	10
23	Nitric oxide acts downstream of abscisic acid in molybdenum-induced oxidative tolerance in wheat. Plant Cell Reports, 2018, 37, 599-610.	5.6	30
24	Characterization of vegetable nitrogen uptake and soil nitrogen transformation in response to continuous molybdenum application. Journal of Plant Nutrition and Soil Science, 2018, 181, 516-527.	1.9	12
25	Zinc(II)-Catalyzed Asymmetric Dielsâ€“Alder Reaction of (E)-1-Phenyl Dienes with Î²,Î³-Unsaturated Î±-Ketoesters. Journal of Organic Chemistry, 2018, 83, 12527-12534.	3.2	12
26	Action of selenium against Sclerotinia sclerotiorum: Damaging membrane system and interfering with metabolism. Pesticide Biochemistry and Physiology, 2018, 150, 10-16.	3.6	19
27	Effects of tungsten on uptake, transport and subcellular distribution of molybdenum in oilseed rape at two different molybdenum levels. Plant Science, 2017, 256, 87-93.	3.6	16
28	The Effects of Cadmium Exposure on Cadmium Fractionation and Enzyme Activities in the Rhizosphere of Two Radish Cultivars (Raphanus sativus L.). Bulletin of Environmental Contamination and Toxicology, 2017, 98, 290-295.	2.7	7
29	Comparison of cadmium absorption, translocation, subcellular distribution and chemical forms between two radish cultivars (Raphanus sativus L.). Ecotoxicology and Environmental Safety, 2017, 145, 258-265.	6.0	61
30	Regulatory effects of sulfur on oilseed rape (Brassica napusL.) response to selenite. Soil Science and Plant Nutrition, 2016, 62, 247-253.	1.9	6
31	Highly enantioselective construction of carbazole derivatives via [4+2] cycloaddition of silyloxyvinylindoles and Î²,Î³-unsaturated Î±-ketoesters. Chemical Communications, 2016, 52, 10692-10695.	4.1	20
32	Co-application of molybdenum and selenium fertilizers increase uptake, recovery and harvest index of molybdenum and selenium in pepper crop. Journal of Plant Nutrition, 2016, 39, 244-251.	1.9	4
33	Effect of sulphate on selenium uptake and translocation in rape (Brassica napus L.) supplied with selenate or selenite. Plant and Soil, 2016, 399, 295-304.	3.7	28
34	Selenium alleviates chromium toxicity by preventing oxidative stress in cabbage (Brassica campestris L.) Tj ETQq0 0 0 rgBT /Overlock 10	6.0	90
35	Asymmetric Dearomatization of Indoles through a Michael/Friedelâ€“Craftsâ€Type Cascade To Construct Polycyclic Spiroindolines. Angewandte Chemie - International Edition, 2015, 54, 4032-4035.	13.8	169
36	Xylem transport and gene expression play decisive roles in cadmium accumulation in shoots of two oilseed rape cultivars (Brassica napus). Chemosphere, 2015, 119, 1217-1223.	8.2	101

#	Article	IF	Citations
37	Antioxidant enzyme systems and the ascorbateâ€“glutathione cycle as contributing factors to cadmium accumulation and tolerance in two oilseed rape cultivars (Brassica napus L.) under moderate cadmium stress. Chemosphere, 2015, 138, 526-536.	8.2	115
38	Cooperative Chiral Guanidine/AgPF6 Catalyzed Asymmetric Isocyanoacetate Aldol Reaction with Isatins. Synlett, 2015, 26, 1545-1548.	1.8	22
39	The asymmetric synthesis of polycyclic 3-spirooxindole alkaloids via the cascade reaction of 2-isocyanoethylindoles. Chemical Communications, 2015, 51, 16076-16079.	4.1	69
40	Effect of applied sulphur on the uptake by wheat of selenium applied as selenite. Plant and Soil, 2015, 386, 35-45.	3.7	60
41	Chiral N,Nâ€²â€Dioxideâ€“Yttrium Triflate Complexesâ€Catalyzed Asymmetric Aldol Cyclization of Îâ€Keto Esters with Îâ€Isothiocyanato Imide. Advanced Synthesis and Catalysis, 2013, 355, 3253-3262.	4.3	18
42	Highly diastereoselective cascade dearomatization of 3-(2-isocyanoethyl)indoles with nitrile imines: a facile access to unexpected polycyclic indolines. Organic Chemistry Frontiers, 0, , .	4.5	5