

Zhao Xiaohu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5574271/publications.pdf>

Version: 2024-02-01

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	Cadmium in plants: uptake, toxicity, and its interactions with selenium fertilizers. <i>Metallomics</i> , 2019, 11, 255-277.	2.4	386
2	Asymmetric Dearomatization of Indoles through a Michael/Friedel-Crafts Type Cascade To Construct Polycyclic Spiroindolines. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 4032-4035.	13.8	169
3	Selenium alleviated chromium stress in Chinese cabbage (<i>Brassica campestris</i> L. ssp. <i>Pekinensis</i>) by regulating root morphology and metal element uptake. <i>Ecotoxicology and Environmental Safety</i> , 2019, 173, 314-321.	6.0	136
4	Antioxidant enzyme systems and the ascorbate-glutathione cycle as contributing factors to cadmium accumulation and tolerance in two oilseed rape cultivars (<i>Brassica napus</i> L.) under moderate cadmium stress. <i>Chemosphere</i> , 2015, 138, 526-536.	8.2	115
5	Xylem transport and gene expression play decisive roles in cadmium accumulation in shoots of two oilseed rape cultivars (<i>Brassica napus</i>). <i>Chemosphere</i> , 2015, 119, 1217-1223.	8.2	101
6	Selenium alleviates chromium toxicity by preventing oxidative stress in cabbage (<i>Brassica campestris</i> L.) Tj ETQq0 0.0 rgBT /Overlock 10	6.0	90
7	Selenium reduces cadmium accumulation in seed by increasing cadmium retention in root of oilseed rape (<i>Brassica napus</i> L.). <i>Environmental and Experimental Botany</i> , 2019, 158, 161-170.	4.2	80
8	The asymmetric synthesis of polycyclic 3-spirooxindole alkaloids via the cascade reaction of 2-isocyanoethylindoles. <i>Chemical Communications</i> , 2015, 51, 16076-16079.	4.1	69
9	Comparison of cadmium absorption, translocation, subcellular distribution and chemical forms between two radish cultivars (<i>Raphanus sativus</i> L.). <i>Ecotoxicology and Environmental Safety</i> , 2017, 145, 258-265.	6.0	61
10	Effect of applied sulphur on the uptake by wheat of selenium applied as selenite. <i>Plant and Soil</i> , 2015, 386, 35-45.	3.7	60
11	Selenium (Se) reduces Sclerotinia stem rot disease incidence of oilseed rape by increasing plant Se concentration and shifting soil microbial community and functional profiles. <i>Environmental Pollution</i> , 2019, 254, 113051.	7.5	54
12	Selenium induces changes of rhizosphere bacterial characteristics and enzyme activities affecting chromium/selenium uptake by pak choi (<i>Brassica campestris</i> L. ssp. <i>Chinensis</i> Makino) in chromium contaminated soil. <i>Environmental Pollution</i> , 2019, 249, 716-727.	7.5	44
13	Nitric oxide acts downstream of abscisic acid in molybdenum-induced oxidative tolerance in wheat. <i>Plant Cell Reports</i> , 2018, 37, 599-610.	5.6	30
14	Effect of sulphate on selenium uptake and translocation in rape (<i>Brassica napus</i> L.) supplied with selenate or selenite. <i>Plant and Soil</i> , 2016, 399, 295-304.	3.7	28
15	Direct ring-strain loading for visible-light accelerated bioorthogonal ligation via diarylsydnone-dibenzo[b,f%][1,4,5]thiadiazepine photo-click reactions. <i>Communications Chemistry</i> , 2020, 3, .	4.5	25
16	Selenium as a potential fungicide could protect oilseed rape leaves from <i>Sclerotinia sclerotiorum</i> infection. <i>Environmental Pollution</i> , 2020, 257, 113495.	7.5	23
17	Cooperative Chiral Guanidine/AgPF ₆ Catalyzed Asymmetric Isocyanoacetate Aldol Reaction with Isatins. <i>Synlett</i> , 2015, 26, 1545-1548.	1.8	22
18	Dissolved organic matter derived from rape straw pretreated with selenium in soil improves the inhibition of <i>Sclerotinia sclerotiorum</i> growth. <i>Journal of Hazardous Materials</i> , 2019, 369, 601-610.	12.4	22

#	ARTICLE	IF	CITATIONS
19	Highly enantioselective construction of carbazole derivatives via [4+2] cycloaddition of silyloxyvinylindoles and $\hat{1}^2, \hat{1}^3$ -unsaturated $\hat{1}^{\pm}$ -ketoesters. <i>Chemical Communications</i> , 2016, 52, 10692-10695.	4.1	20
20	Action of selenium against <i>Sclerotinia sclerotiorum</i> : Damaging membrane system and interfering with metabolism. <i>Pesticide Biochemistry and Physiology</i> , 2018, 150, 10-16.	3.6	19
21	Modified Rice Straw Enhanced Cadmium (II) Immobilization in Soil and Promoted the Degradation of Phenanthrene in Co-Contaminated Soil. <i>International Journal of Molecular Sciences</i> , 2019, 20, 2189.	4.1	19
22	Microbes: a potential tool for selenium biofortification. <i>Metallomics</i> , 2021, 13, .	2.4	19
23	Chiral $\hat{1}^{\pm}$ -N $\hat{1}^2$ -Dioxide $\hat{1}^{\pm}$ -Yttrium Triflate Complexes $\hat{1}^{\pm}$ Catalyzed Asymmetric Aldol Cyclization of $\hat{1}^{\pm}$ -Keto Esters with $\hat{1}^{\pm}$ -Isothiocyanato Imide. <i>Advanced Synthesis and Catalysis</i> , 2013, 355, 3253-3262.	4.3	18
24	Selenium reduces the pathogenicity of <i>Sclerotinia sclerotiorum</i> by inhibiting sclerotial formation and germination. <i>Ecotoxicology and Environmental Safety</i> , 2019, 183, 109503.	6.0	18
25	Selenium restores mitochondrial dysfunction to reduce Cr-induced cell apoptosis in Chinese cabbage (<i>Brassica campestris</i> L. ssp. <i>Pekinensis</i>) root tips. <i>Ecotoxicology and Environmental Safety</i> , 2021, 223, 112564.	6.0	18
26	Chitin combined with selenium reduced nitrogen loss in soil and improved nitrogen uptake efficiency in Guanxi pomelo orchard. <i>Science of the Total Environment</i> , 2021, 799, 149414.	8.0	18
27	Soil applied Ca, Mg and B altered phyllosphere and rhizosphere bacterial microbiome and reduced Huanglongbing incidence in Gannan Navel Orange. <i>Science of the Total Environment</i> , 2021, 791, 148046.	8.0	17
28	Effects of tungsten on uptake, transport and subcellular distribution of molybdenum in oilseed rape at two different molybdenum levels. <i>Plant Science</i> , 2017, 256, 87-93.	3.6	16
29	Enhancement and improvement of selenium in soil to the resistance of rape stem against <i>Sclerotinia sclerotiorum</i> and the inhibition of dissolved organic matter derived from rape straw on mycelium. <i>Environmental Pollution</i> , 2020, 265, 114827.	7.5	15
30	Selenium improved the combined remediation efficiency of <i>Pseudomonas aeruginosa</i> and ryegrass on cadmium-nonylphenol co-contaminated soil. <i>Environmental Pollution</i> , 2021, 287, 117552.	7.5	14
31	Characterization of vegetable nitrogen uptake and soil nitrogen transformation in response to continuous molybdenum application. <i>Journal of Plant Nutrition and Soil Science</i> , 2018, 181, 516-527.	1.9	12
32	Zinc(II)-Catalyzed Asymmetric Diels $\hat{1}^{\pm}$ -Alder Reaction of ($\hat{1}^{\pm}$ -E $\hat{1}^{\pm}$)-1-Phenyl Dienes with $\hat{1}^2, \hat{1}^3$ -Unsaturated $\hat{1}^{\pm}$ -Ketoesters. <i>Journal of Organic Chemistry</i> , 2018, 83, 12527-12534.	3.2	12
33	Research on the nitrogen transformation in rhizosphere of winter wheat (<i>Triticum aestivum</i>) under molybdenum addition. <i>Environmental Science and Pollution Research</i> , 2019, 26, 2363-2374.	5.3	10
34	Antimony symplastic and apoplastic absorption, compartmentation, and xylem translocation in <i>Brassica parachinensis</i> L. under antimonate and antimonite. <i>Ecotoxicology and Environmental Safety</i> , 2020, 197, 110621.	6.0	9
35	Effects of soil amendments on soil fertility and fruit yield through alterations in soil carbon fractions. <i>Journal of Soils and Sediments</i> , 2021, 21, 2628-2638.	3.0	9
36	Selenium combined with chitin reduced phosphorus leaching in soil with pomelo by driving soil phosphorus cycle via microbial community. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 107060.	6.7	8

#	ARTICLE	IF	CITATIONS
37	The Effects of Cadmium Exposure on Cadmium Fractionation and Enzyme Activities in the Rhizosphere of Two Radish Cultivars (<i>Raphanus sativus</i> L.). <i>Bulletin of Environmental Contamination and Toxicology</i> , 2017, 98, 290-295.	2.7	7
38	Selenium Combined with Methyl Jasmonate to Control Tomato Gray Mold by Optimizing Microbial Community Structure in Plants. <i>Journal of Fungi (Basel, Switzerland)</i> , 2022, 8, 731.	3.5	7
39	Regulatory effects of sulfur on oilseed rape (<i>Brassica napus</i> L.) response to selenite. <i>Soil Science and Plant Nutrition</i> , 2016, 62, 247-253.	1.9	6
40	Highly diastereoselective cascade dearomatization of 3-(2-isocyanoethyl)indoles with nitrile imines: a facile access to unexpected polycyclic indolines. <i>Organic Chemistry Frontiers</i> , 0, , .	4.5	5
41	Co-application of molybdenum and selenium fertilizers increase uptake, recovery and harvest index of molybdenum and selenium in pepper crop. <i>Journal of Plant Nutrition</i> , 2016, 39, 244-251.	1.9	4
42	Se changed the component of organic chemicals and Cr bioavailability in pak choi rhizosphere soil. <i>Environmental Science and Pollution Research</i> , 2021, 28, 67331-67342.	5.3	4