Fei Chen

List of Publications by Year
in descending order

23	1,084	567281 15	677142 22
papers	citations	h-index	g-index

23	23	23	1325
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Modulation of exogenous glutathione in antioxidant defense system against Cd stress in the two barley genotypes differing in Cd tolerance. Plant Physiology and Biochemistry, 2010, 48, 663-672.	5.8	249
2	Identification of barley genotypes with low grain Cd accumulation and its interaction with four microelements. Chemosphere, 2007, 67, 2082-2088.	8.2	102
3	Genome-wide transcriptome and functional analysis of two contrasting genotypes reveals key genes for cadmium tolerance in barley. BMC Genomics, 2014, 15, 611.	2.8	101
4	Comparison of EDTA- and Citric Acid-Enhanced Phytoextraction of Heavy Metals in Artificially Metal Contaminated Soil byTypha Angustifolia. International Journal of Phytoremediation, 2009, 11, 558-574.	3.1	90
5	Genotype-Dependent Effect of Exogenous Nitric Oxide on Cd-induced Changes in Antioxidative Metabolism, Ultrastructure, and Photosynthetic Performance in Barley Seedlings (Hordeum vulgare). Journal of Plant Growth Regulation, 2010, 29, 394-408.	5.1	88
6	Modulation of Exogenous Glutathione in Ultrastructure and Photosynthetic Performance Against Cd Stress in the Two Barley Genotypes Differing in Cd Tolerance. Biological Trace Element Research, 2011, 144, 1275-1288.	3.5	78
7	Comparative proteomic analysis of Typha angustifolia leaf under chromium, cadmium and lead stress. Journal of Hazardous Materials, 2010, 184, 191-203.	12.4	72
8	Cadmium translocation and accumulation in developing barley grains. Planta, 2007, 227, 223-232.	3.2	54
9	Identification of Barley Varieties Tolerant to Cadmium Toxicity. Biological Trace Element Research, 2008, 121, 171-179.	3.5	43
10	Evolution of rapid blueâ€light response linked to explosive diversification of ferns in angiosperm forests. New Phytologist, 2021, 230, 1201-1213.	7.3	33
11	DNA microarray revealed and RNAi plants confirmed key genes conferring low Cd accumulation in barley grains. BMC Plant Biology, 2015, 15, 259.	3.6	28
12	A Î²â€ketoacyl carrier protein reductase confers heat tolerance via the regulation of fatty acid biosynthesis and stress signaling in rice. New Phytologist, 2021, 232, 655-672.	7.3	26
13	Differences in Mn uptake and subcellular distribution in different barley genotypes as a response to Cd toxicity. Science of the Total Environment, 2007, 385, 228-234.	8.0	23
14	A Nucleus-Encoded Chloroplast Protein YL1 Is Involved in Chloroplast Development and Efficient Biogenesis of Chloroplast ATP Synthase in Rice. Scientific Reports, 2016, 6, 32295.	3.3	22
15	UMP kinase activity is involved in proper chloroplast development in rice. Photosynthesis Research, 2018, 137, 53-67.	2.9	19
16	Virusâ€induced plant volatiles mediate the olfactory behaviour of its insect vectors. Plant, Cell and Environment, 2021, 44, 2700-2715.	5.7	18
17	Response of Cadmium Uptake in Different Barley Genotypes to Cadmium Level. Journal of Plant Nutrition, 2005, 28, 2201-2209.	1.9	13
18	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

#	Article	IF	Citations
19	Identification of novel microRNAs for cold deacclimation in barley. Plant Growth Regulation, 2020, 92, 389-400.	3.4	5
20	iTRAQ-based proteomic analysis provides insights into the molecular mechanisms of rice formyl tetrahydrofolate deformylase in salt response. Planta, 2021, 254, 76.	3.2	5
21	The kinesin-13 protein BR HYPERSENSITIVEÂ1 is a negative brassinosteroid signaling component regulating rice growth and development. Theoretical and Applied Genetics, 2022, 135, 1751-1766.	3.6	4
22	Genotypic differences in cadmium transport in developing barley grains. Environmental Science and Pollution Research, 2017, 24, 7009-7015.	5.3	2
23	Identification and characterization of profilin gene family in Rice. Electronic Journal of Biotechnology, 2021, 54, 47-47.	2.2	0