Kuo-Chen Yeh

List of Publications by Year
in descending order

48 papers	5,435 citations	159358 30 h-index	214527 47 g-index
48 all docs	48 docs citations	48 times ranked	5449 citing authors

#	Article	IF	Citations
1	Soil gallium speciation and resultingÂgallium uptake by rice plants. Journal of Hazardous Materials, 2022, 424, 127582.	6.5	5
2	Insight into the mechanism of indium toxicity in rice. Journal of Hazardous Materials, 2022, 429, 128265.	6.5	8
3	Histone H3 lysine4 trimethylationâ€regulated GRF11 expression is essential for the ironâ€deficiency response in Arabidopsis thaliana. New Phytologist, 2021, 230, 244-258.	3.5	12
4	Divalent nutrient cations: Friend and foe during zinc stress in rice. Plant, Cell and Environment, 2021, 44, 3358-3375.	2.8	5
5	The dual benefit of a dominant mutation in Arabidopsis <i>IRON DEFICIENCY TOLERANT1</i> for iron biofortification and heavy metal phytoremediation. Plant Biotechnology Journal, 2020, 18, 1200-1210.	4.1	22
6	Assessment of indium toxicity to the model plant Arabidopsis. Journal of Hazardous Materials, 2020, 387, 121983.	6.5	20
7	Indium Uptake and Accumulation by Rice and Wheat and Health Risk Associated with Their Consumption. Environmental Science & Technology, 2020, 54, 14946-14954.	4.6	16
8	A HemK class glutamineâ€methyltransferase is involved in the termination of translation and essential for iron homeostasis in Arabidopsis. New Phytologist, 2020, 226, 1361-1374.	3.5	7
9	Arabidopsis BRUTUS-LIKE E3 ligases negatively regulate iron uptake by targeting transcription factor FIT for recycling. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 17584-17591.	3.3	91
10	Small-Molecules Selectively Modulate Iron-Deficiency Signaling Networks in Arabidopsis. Frontiers in Plant Science, 2019, 10, 8.	1.7	4
11	<i>Sâ€</i>Nitrosoglutathione works downstream of nitric oxide to mediate ironâ€deficiency signaling in Arabidopsis. Plant Journal, 2018, 94, 157-168.	2.8	32
12	Effect of Gallium Exposure in <i>Arabidopsis thaliana</i> is Similar to Aluminum Stress. Environmental Science & Technology, 2017, 51, 1241-1248.	4.6	22
13	Role of root exudates in metal acquisition and tolerance. Current Opinion in Plant Biology, 2017, 39, 66-72.	3.5	178
14	Triplin, a small molecule, reveals copper ion transport in ethylene signaling from ATX1 to RAN1. PLoS Genetics, 2017, 13, e1006703.	1.5	32
15	Evolutionary analysis of iron (Fe) acquisition system in <i>Marchantia polymorpha</i>. New Phytologist, 2016, 211, 569-583.	3.5	17
16	Identification of metal species by ESI-MS/MS through release of free metals from the corresponding metal-ligand complexes. Scientific Reports, 2016, 6, 26785.	1.6	48
17	Glutathione plays an essential role in nitric oxideâ€mediated ironâ€deficiency signaling and ironâ€deficiency tolerance in <i>Arabidopsis</i>. Plant Journal, 2015, 84, 464-477.	2.8	61
18	Root-Secreted Nicotianamine from Arabidopsis halleri Facilitates Zinc Hypertolerance by Regulating Zinc Bioavailability. Plant Physiology, 2014, 166, 839-852.	2.3	65

#	Article	IF	Citations
19	Alternative Functions of Arabidopsis YELLOW STRIPE-LIKE3: From Metal Translocation to Pathogen Defense. PLoS ONE, 2014, 9, e98008.	1.1	24
20	IRT1 DEGRADATION FACTOR1, a RING E3 Ubiquitin Ligase, Regulates the Degradation of IRON-REGULATED TRANSPORTER1 in <i>Arabidopsis</i>. Plant Cell, 2013, 25, 3039-3051.	3.1	151
21	Control of Zn uptake in Arabidopsis halleri: a balance between Zn and Fe. Frontiers in Plant Science, 2013, 4, 281.	1.7	46
22	A Vicilin-Like Seed Storage Protein, PAP85, Is Involved in Tobacco Mosaic Virus Replication. Journal of Virology, 2013, 87, 6888-6900.	1.5	14
23	Iron Is Involved in the Maintenance of Circadian Period Length in Arabidopsis Â Â Â. Plant Physiology, 2013, 161, 1409-1420.	2.3	70
24	Overexpression of Arabidopsis<i>ATX1</i>retards plant growth under severe copper deficiency. Plant Signaling and Behavior, 2012, 7, 1082-1083.	1.2	29
25	Copper Chaperone Antioxidant Protein1 Is Essential for Copper Homeostasis Â Â. Plant Physiology, 2012, 159, 1099-1110.	2.3	104
26	A sensitive LCâ€ESIâ€Qâ€TOFâ€MS method reveals novel phytosiderophores and phytosiderophoreâ€“iron complexes in barley. New Phytologist, 2012, 195, 951-961.	3.5	37
27	<i>ZINC TOLERANCE INDUCED BY IRON 1</i> reveals the importance of glutathione in the crossâ€homeostasis between zinc and iron in <i>Arabidopsis thaliana</i>. Plant Journal, 2012, 69, 1006-1017.	2.8	83
28	Arabidopsis SUMO E3 Ligase SIZ1 Is Involved in Excess Copper Tolerance Â Â. Plant Physiology, 2011, 156, 2225-2234.	2.3	94
29	Differential expression and regulation of ironâ€regulated metal transporters in <i>Arabidopsis halleri</i> and <i>Arabidopsis thaliana â€“</i> the role in zinc tolerance. New Phytologist, 2011, 190, 125-137.	3.5	127
30	Effect of Cu content on the activity of Cu/ZnSOD1 in the Arabidopsis SUMO E3 ligase<i>siz1</i>mutant. Plant Signaling and Behavior, 2011, 6, 1428-1430.	1.2	12
31	Model evaluation of the phytoextraction potential of heavy metal hyperaccumulators and non-hyperaccumulators. Environmental Pollution, 2009, 157, 1945-1952.	3.7	90
32	Arabidopsis IRT3 is a zincâ€regulated and plasma membrane localized zinc/iron transporter. New Phytologist, 2009, 182, 392-404.	3.5	249
33	Genomics and proteomics of immune modulatory effects of a butanol fraction of echinacea purpurea in human dendritic cells. BMC Genomics, 2008, 9, 479.	1.2	46
34	Genes Associated with Heavy Metal Tolerance and Accumulation in Zn/Cd HyperaccumulatorArabidopsis halleri:Â A Genomic Survey with cDNA Microarray. Environmental Science & Technology, 2006, 40, 6792-6798.	4.6	166
35	Modulatory effects of Echinacea purpurea extracts on human dendritic cells: A cell- and gene-based study. Genomics, 2006, 88, 801-808.	1.3	52
36	Isolation and characterization of tomato Hsa32 encoding a novel heat-shock protein. Plant Science, 2006, 170, 976-985.	1.7	50

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37	Proteomic survey of copper-binding proteins inArabidopsis roots by immobilized metal affinity chromatography and mass spectrometry. Proteomics, 2006, 6, 2746-2758.	1.3	67
38	Luteolin and GroESL Modulate In Vitro Activity of NodD. Journal of Bacteriology, 2002, 184, 525-530.	1.0	43
39	The Composite Genome of the Legume Symbiont Sinorhizobium meliloti. Science, 2001, 293, 668-672.	6.0	1,098
40	Nucleotide sequence and predicted functions of the entire Sinorhizobium meliloti pSymA megaplasmid. Proceedings of the National Academy of Sciences of the United States of America, 2001, 98, 9883-9888.	3.3	278
41	Aux/IAA Proteins Are Phosphorylated by Phytochrome in Vitro. Plant Physiology, 2000, 124, 1728-1738.	2.3	232
42	Modification of Distinct Aspects of Photomorphogenesis via Targeted Expression of Mammalian Biliverdin Reductase in Transgenic Arabidopsis Plants. Plant Physiology, 1999, 121, 629-640.	2.3	47
43	PKS1, a Substrate Phosphorylated by Phytochrome That Modulates Light Signaling in Arabidopsis. Science, 1999, 284, 1539-1541.	6.0	426
44	A phytochrome from the fern Adiantum with features of the putative photoreceptor NPH1. Proceedings of the National Academy of Sciences of the United States of America, 1998, 95, 15826-15830.	3.3	198
45	Eukaryotic phytochromes: Light-regulated serine/threonine protein kinases with histidine kinase ancestry. Proceedings of the National Academy of Sciences of the United States of America, 1998, 95, 13976-13981.	3.3	414
46	A Cyanobacterial Phytochrome Two-Component Light Sensory System. Science, 1997, 277, 1505-1508.	6.0	529
47	Point mutations in the chloroplast 16s rRNA gene confer streptomycin resistance in Nicotiana plumbaginifolia. Current Genetics, 1994, 26, 132-135.	0.8	14
48	Root Proteome. , 0, , 223-237.		0