

Kuo-Chen Yeh

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4211032/publications.pdf>

Version: 2024-02-01

48
papers

5,435
citations

159585
30
h-index

214800
47
g-index

48
all docs

48
docs citations

48
times ranked

5449
citing authors

#	ARTICLE	IF	CITATIONS
1	Soil gallium speciation and resulting gallium uptake by rice plants. <i>Journal of Hazardous Materials</i> , 2022, 424, 127582.	12.4	5
2	Insight into the mechanism of indium toxicity in rice. <i>Journal of Hazardous Materials</i> , 2022, 429, 128265.	12.4	8
3	Histone H3 lysine4 trimethylation-regulated GRF11 expression is essential for the iron-deficiency response in <i>Arabidopsis thaliana</i> . <i>New Phytologist</i> , 2021, 230, 244-258.	7.3	12
4	Divalent nutrient cations: Friend and foe during zinc stress in rice. <i>Plant, Cell and Environment</i> , 2021, 44, 3358-3375.	5.7	5
5	The dual benefit of a dominant mutation in <i>Arabidopsis</i> <i>IRON DEFICIENCY TOLERANT1</i> for iron biofortification and heavy metal phytoremediation. <i>Plant Biotechnology Journal</i> , 2020, 18, 1200-1210.	8.3	22
6	Assessment of indium toxicity to the model plant <i>Arabidopsis</i> . <i>Journal of Hazardous Materials</i> , 2020, 387, 121983.	12.4	20
7	Indium Uptake and Accumulation by Rice and Wheat and Health Risk Associated with Their Consumption. <i>Environmental Science & Technology</i> , 2020, 54, 14946-14954.	10.0	16
8	A HemK class glutamine-methyltransferase is involved in the termination of translation and essential for iron homeostasis in <i>Arabidopsis</i> . <i>New Phytologist</i> , 2020, 226, 1361-1374.	7.3	7
9	<i>Arabidopsis</i> BRUTUS-LIKE E3 ligases negatively regulate iron uptake by targeting transcription factor FIT for recycling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 17584-17591.	7.1	91
10	Small-Molecules Selectively Modulate Iron-Deficiency Signaling Networks in <i>Arabidopsis</i> . <i>Frontiers in Plant Science</i> , 2019, 10, 8.	3.6	4
11	<i>Nitrosoglutathione</i> works downstream of nitric oxide to mediate iron-deficiency signaling in <i>Arabidopsis</i> . <i>Plant Journal</i> , 2018, 94, 157-168.	5.7	32
12	Effect of Gallium Exposure in <i>Arabidopsis thaliana</i> is Similar to Aluminum Stress. <i>Environmental Science & Technology</i> , 2017, 51, 1241-1248.	10.0	22
13	Role of root exudates in metal acquisition and tolerance. <i>Current Opinion in Plant Biology</i> , 2017, 39, 66-72.	7.1	178
14	Triplin, a small molecule, reveals copper ion transport in ethylene signaling from ATX1 to RAN1. <i>PLoS Genetics</i> , 2017, 13, e1006703.	3.5	32
15	Evolutionary analysis of iron (Fe) acquisition system in <i>Marchantia polymorpha</i> . <i>New Phytologist</i> , 2016, 211, 569-583.	7.3	17
16	Identification of metal species by ESI-MS/MS through release of free metals from the corresponding metal-ligand complexes. <i>Scientific Reports</i> , 2016, 6, 26785.	3.3	48
17	Glutathione plays an essential role in nitric oxide-mediated iron-deficiency signaling and iron-deficiency tolerance in <i>Arabidopsis</i> . <i>Plant Journal</i> , 2015, 84, 464-477.	5.7	61
18	Root-Secreted Nicotianamine from <i>Arabidopsis halleri</i> Facilitates Zinc Hypertolerance by Regulating Zinc Bioavailability. <i>Plant Physiology</i> , 2014, 166, 839-852.	4.8	65

#	ARTICLE	IF	CITATIONS
19	Alternative Functions of Arabidopsis YELLOW STRIPE-LIKE3: From Metal Translocation to Pathogen Defense. PLoS ONE, 2014, 9, e98008.	2.5	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.	6.6	151
21	Control of Zn uptake in Arabidopsis halleri: a balance between Zn and Fe. Frontiers in Plant Science, 2013, 4, 281.	3.6	46
22	A Vicilin-Like Seed Storage Protein, PAP85, Is Involved in Tobacco Mosaic Virus Replication. Journal of Virology, 2013, 87, 6888-6900.	3.4	14
23	Iron Is Involved in the Maintenance of Circadian Period Length in Arabidopsis. Plant Physiology, 2013, 161, 1409-1420.	4.8	70
24	Overexpression of Arabidopsis ATX1 retards plant growth under severe copper deficiency. Plant Signaling and Behavior, 2012, 7, 1082-1083.	2.4	29
25	Copper Chaperone Antioxidant Protein1 Is Essential for Copper Homeostasis. Plant Physiology, 2012, 159, 1099-1110.	4.8	104
26	A sensitive LC-ESI-Q-TOF-MS method reveals novel phytosiderophores and phytosiderophore-iron complexes in barley. New Phytologist, 2012, 195, 951-961.	7.3	37
27	ZINC TOLERANCE INDUCED BY IRON 1 reveals the importance of glutathione in the cross-homeostasis between zinc and iron in <i>Arabidopsis thaliana</i> . Plant Journal, 2012, 69, 1006-1017.	5.7	83
28	Arabidopsis SUMO E3 Ligase SIZ1 Is Involved in Excess Copper Tolerance. Plant Physiology, 2011, 156, 2225-2234.	4.8	94
29	Differential expression and regulation of iron-regulated metal transporters in <i>Arabidopsis halleri</i> and <i>Arabidopsis thaliana</i> : the role in zinc tolerance. New Phytologist, 2011, 190, 125-137.	7.3	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.	2.4	12
31	Model evaluation of the phytoextraction potential of heavy metal hyperaccumulators and non-hyperaccumulators. Environmental Pollution, 2009, 157, 1945-1952.	7.5	90
32	Arabidopsis IRT3 is a zinc-regulated and plasma membrane localized zinc/iron transporter. New Phytologist, 2009, 182, 392-404.	7.3	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.	2.8	46
34	Genes Associated with Heavy Metal Tolerance and Accumulation in Zn/Cd Hyperaccumulator <i>Arabidopsis halleri</i> : A Genomic Survey with cDNA Microarray. Environmental Science & Technology, 2006, 40, 6792-6798.	10.0	166
35	Modulatory effects of Echinacea purpurea extracts on human dendritic cells: A cell- and gene-based study. Genomics, 2006, 88, 801-808.	2.9	52
36	Isolation and characterization of tomato Hsa32 encoding a novel heat-shock protein. Plant Science, 2006, 170, 976-985.	3.6	50

#	ARTICLE	IF	CITATIONS
37	Proteomic survey of copper-binding proteins in Arabidopsis roots by immobilized metal affinity chromatography and mass spectrometry. Proteomics, 2006, 6, 2746-2758.	2.2	67
38	Luteolin and GroESL Modulate In Vitro Activity of NodD. Journal of Bacteriology, 2002, 184, 525-530.	2.2	43
39	The Composite Genome of the Legume Symbiont <i>Sinorhizobium meliloti</i> . Science, 2001, 293, 668-672.	12.6	1,098
40	Nucleotide sequence and predicted functions of the entire <i>Sinorhizobium meliloti</i> pSymA megaplasmid. Proceedings of the National Academy of Sciences of the United States of America, 2001, 98, 9883-9888.	7.1	278
41	Aux/IAA Proteins Are Phosphorylated by Phytochrome in Vitro. Plant Physiology, 2000, 124, 1728-1738.	4.8	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.	4.8	47
43	PKS1, a Substrate Phosphorylated by Phytochrome That Modulates Light Signaling in Arabidopsis. Science, 1999, 284, 1539-1541.	12.6	426
44	A phytochrome from the fern <i>Adiantum</i> with features of the putative photoreceptor NPH1. Proceedings of the National Academy of Sciences of the United States of America, 1998, 95, 15826-15830.	7.1	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.	7.1	414
46	A Cyanobacterial Phytochrome Two-Component Light Sensory System. Science, 1997, 277, 1505-1508.	12.6	529
47	Point mutations in the chloroplast 16S rRNA gene confer streptomycin resistance in <i>Nicotiana glauca</i> . Current Genetics, 1994, 26, 132-135.	1.7	14
48	Root Proteome. , 0, , 223-237.		0