

Lei Yang

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

1,630
citations

361045

20
h-index

552369

26
g-index

27
all docs

27
docs citations

27
times ranked

2345
citing authors

#	ARTICLE	IF	CITATIONS
1	Tonoplast CBL-CIPK calcium signaling network regulates magnesium homeostasis in Arabidopsis. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 3134-3139.	3.3	208
2	A vacuolar phosphate transporter essential for phosphate homeostasis in <i>Arabidopsis</i> . Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E6571-8.	3.3	173
3	Tonoplast calcium sensors CBL2 and CBL3 control plant growth and ion homeostasis through regulating V-ATPase activity in Arabidopsis. Cell Research, 2012, 22, 1650-1665.	5.7	168
4	The woody plant poplar has a functionally conserved salt overly sensitive pathway in response to salinity stress. Plant Molecular Biology, 2010, 74, 367-380.	2.0	120
5	Transcriptome Analysis of Medicinal Plant <i>Salvia miltiorrhiza</i> and Identification of Genes Related to Tanshinone Biosynthesis. PLoS ONE, 2013, 8, e80464.	1.1	111
6	<i>Arabidopsis</i> Transporter MGT6 Mediates Magnesium Uptake and Is Required for Growth under Magnesium Limitation. Plant Cell, 2014, 26, 2234-2248.	3.1	108
7	Enhancement of stress tolerance in transgenic tobacco plants constitutively expressing AtIpk2 ^{Δ2} , an inositol polyphosphate 6-/3-kinase from Arabidopsis thaliana. Plant Molecular Biology, 2008, 66, 329-343.	2.0	93
8	Inner Envelope CHLOROPLAST MANGANESE TRANSPORTER 1 Supports Manganese Homeostasis and Phototrophic Growth in Arabidopsis. Molecular Plant, 2018, 11, 943-954.	3.9	71
9	Poplar calcineurin <i>B</i> -like proteins <i>PtCBL10A</i> and <i>PtCBL10B</i> regulate shoot salt tolerance through interaction with <i>PtSOS2</i> in the vacuolar membrane. Plant, Cell and Environment, 2014, 37, 573-588.	2.8	69
10	Antisense expression of the fasciclin-like arabinogalactan protein FLA6 gene in Populus inhibits expression of its homologous genes and alters stem biomechanics and cell wall composition in transgenic trees. Journal of Experimental Botany, 2015, 66, 1291-1302.	2.4	66
11	Calcium-dependent protein kinase CPK31 interacts with arsenic transporter AtNIP1;1 and regulates arsenite uptake in Arabidopsis thaliana. PLoS ONE, 2017, 12, e0173681.	1.1	66
12	Overexpression of Pyrabactin Resistance-Like Abscisic Acid Receptors Enhances Drought, Osmotic, and Cold Tolerance in Transgenic Poplars. Frontiers in Plant Science, 2017, 8, 1752.	1.7	57
13	Overexpression of the <i>PtSOS2</i> gene improves tolerance to salt stress in transgenic poplar plants. Plant Biotechnology Journal, 2015, 13, 962-973.	4.1	51
14	Overexpression of Poplar Pyrabactin Resistance-Like Abscisic Acid Receptors Promotes Abscisic Acid Sensitivity and Drought Resistance in Transgenic Arabidopsis. PLoS ONE, 2016, 11, e0168040.	1.1	43
15	Overexpression of the NDR1/HIN1-Like Gene NHL6 Modifies Seed Germination in Response to Abscisic Acid and Abiotic Stresses in Arabidopsis. PLoS ONE, 2016, 11, e0148572.	1.1	39
16	Magnesium Transporter MGT6 Plays an Essential Role in Maintaining Magnesium Homeostasis and Regulating High Magnesium Tolerance in Arabidopsis. Frontiers in Plant Science, 2018, 9, 274.	1.7	37
17	Arabidopsis choline transporter-like 1 (CTL1) regulates secretory trafficking of auxin transporters to control seedling growth. PLoS Biology, 2017, 15, e2004310.	2.6	35
18	Danger-Associated Peptides Interact with PIN-Dependent Local Auxin Distribution to Inhibit Root Growth in Arabidopsis. Plant Cell, 2019, 31, 1767-1787.	3.1	31

#	ARTICLE	IF	CITATIONS
19	Vacuolar SPX-MFS transporters are essential for phosphate adaptation in plants. <i>Plant Signaling and Behavior</i> , 2016, 11, e1213474.	1.2	27
20	Molecular characterization of <i>ThIPK2</i> , an inositol polyphosphate kinase gene homolog from <i>Thellungiella halophila</i> , and its heterologous expression to improve abiotic stress tolerance in <i>Brassica napus</i> . <i>Physiologia Plantarum</i> , 2009, 136, 407-425.	2.6	26
21	An <i>Arabidopsis</i> vasculature distributed metal tolerance protein facilitates xylem magnesium diffusion to shoots under high-magnesium environments. <i>Journal of Integrative Plant Biology</i> , 2021, , .	4.1	8
22	Leucine-rich repeat receptor-like protein kinase AtORPK1 promotes oxidative stress resistance in an AtORPK1-AtKAPP mediated module in <i>Arabidopsis</i> . <i>Plant Science</i> , 2022, 315, 111147.	1.7	6
23	A survey of the pyrabactin resistance-like abscisic acid receptor gene family in poplar. <i>Plant Signaling and Behavior</i> , 2017, 12, e1356966.	1.2	5
24	OsCYP714D1 improves plant growth and salt tolerance through regulating gibberellin and ion homeostasis in transgenic poplar. <i>Plant Physiology and Biochemistry</i> , 2021, 168, 447-456.	2.8	5
25	Structural and Mutagenesis Studies Evince the Role of the Extended Protuberant Domain of Ribosomal Protein uL10 in Protein Translation. <i>Biochemistry</i> , 2019, 58, 3744-3754.	1.2	3
26	A metal tolerance protein, MTP10, is required for the calcium and magnesium homeostasis in <i>Arabidopsis</i> . <i>Plant Signaling and Behavior</i> , 2022, 17, 2025322.	1.2	3
27	OUP accepted manuscript. <i>Nucleic Acids Research</i> , 2022, , .	6.5	1