

# Lei Yang

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

25  
papers

1,104  
citations

19  
h-index

27  
g-index

27  
ext. papers

1,461  
ext. citations

7.6  
avg, IF

3.81  
L-index

#	Paper	IF	Citations
25	Tonoplast CBL-CIPK calcium signaling network regulates magnesium homeostasis in Arabidopsis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2015</b> , 112, 3134-9	11.5	135
24	A vacuolar phosphate transporter essential for phosphate homeostasis in Arabidopsis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2015</b> , 112, E6571-8	11.5	120
23	Tonoplast calcium sensors CBL2 and CBL3 control plant growth and ion homeostasis through regulating V-ATPase activity in Arabidopsis. <i>Cell Research</i> , <b>2012</b> , 22, 1650-65	24.7	120
22	The woody plant poplar has a functionally conserved salt overly sensitive pathway in response to salinity stress. <i>Plant Molecular Biology</i> , <b>2010</b> , 74, 367-80	4.6	96
21	Transcriptome analysis of medicinal plant <i>Salvia miltiorrhiza</i> and identification of genes related to tanshinone biosynthesis. <i>PLoS ONE</i> , <b>2013</b> , 8, e80464	3.7	91
20	Enhancement of stress tolerance in transgenic tobacco plants constitutively expressing AtIpk2beta, an inositol polyphosphate 6-/3-kinase from Arabidopsis thaliana. <i>Plant Molecular Biology</i> , <b>2008</b> , 66, 329-43	4.6	77
19	Arabidopsis Transporter MGT6 Mediates Magnesium Uptake and Is Required for Growth under Magnesium Limitation. <i>Plant Cell</i> , <b>2014</b> , 26, 2234-2248	11.6	72
18	Poplar calcineurin B-like proteins PtCBL10A and PtCBL10B regulate shoot salt tolerance through interaction with PtSOS2 in the vacuolar membrane. <i>Plant, Cell and Environment</i> , <b>2014</b> , 37, 573-88	8.4	54
17	Calcium-dependent protein kinase CPK31 interacts with arsenic transporter AtNIP1;1 and regulates arsenite uptake in Arabidopsis thaliana. <i>PLoS ONE</i> , <b>2017</b> , 12, e0173681	3.7	46
16	Antisense expression of the fasciclin-like arabinogalactan protein FLA6 gene in <i>Populus</i> inhibits expression of its homologous genes and alters stem biomechanics and cell wall composition in transgenic trees. <i>Journal of Experimental Botany</i> , <b>2015</b> , 66, 1291-302	7	38
15	Inner Envelope CHLOROPLAST MANGANESE TRANSPORTER 1 Supports Manganese Homeostasis and Phototrophic Growth in Arabidopsis. <i>Molecular Plant</i> , <b>2018</b> , 11, 943-954	14.4	36
14	Overexpression of the PtSOS2 gene improves tolerance to salt stress in transgenic poplar plants. <i>Plant Biotechnology Journal</i> , <b>2015</b> , 13, 962-73	11.6	33
13	Overexpression of Poplar Pyrabactin Resistance-Like Abscisic Acid Receptors Promotes Abscisic Acid Sensitivity and Drought Resistance in Transgenic Arabidopsis. <i>PLoS ONE</i> , <b>2016</b> , 11, e0168040	3.7	29
12	Overexpression of Pyrabactin Resistance-Like Abscisic Acid Receptors Enhances Drought, Osmotic, and Cold Tolerance in Transgenic Poplars. <i>Frontiers in Plant Science</i> , <b>2017</b> , 8, 1752	6.2	28
11	Overexpression of the NDR1/HIN1-Like Gene NHL6 Modifies Seed Germination in Response to Abscisic Acid and Abiotic Stresses in Arabidopsis. <i>PLoS ONE</i> , <b>2016</b> , 11, e0148572	3.7	24
10	Magnesium Transporter MGT6 Plays an Essential Role in Maintaining Magnesium Homeostasis and Regulating High Magnesium Tolerance in. <i>Frontiers in Plant Science</i> , <b>2018</b> , 9, 274	6.2	23
9	Molecular characterization of THIPK2, 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> , <b>2009</b> , 136, 407-25	4.6	23

8	Arabidopsis choline transporter-like 1 (CTL1) regulates secretory trafficking of auxin transporters to control seedling growth. <i>PLoS Biology</i> , <b>2017</b> , 15, e2004310	9.7	19
7	Vacuolar SPX-MFS transporters are essential for phosphate adaptation in plants. <i>Plant Signaling and Behavior</i> , <b>2016</b> , 11, e1213474	2.5	19
6	Danger-Associated Peptides Interact with PIN-Dependent Local Auxin Distribution to Inhibit Root Growth in Arabidopsis. <i>Plant Cell</i> , <b>2019</b> , 31, 1767-1787	11.6	12
5	A survey of the pyrabactin resistance-like abscisic acid receptor gene family in poplar. <i>Plant Signaling and Behavior</i> , <b>2017</b> , 12, e1356966	2.5	5
4	OscYP714D1 improves plant growth and salt tolerance through regulating gibberellin and ion homeostasis in transgenic poplar. <i>Plant Physiology and Biochemistry</i> , <b>2021</b> , 168, 447-456	5.4	2
3	Structural and Mutagenesis Studies Evince the Role of the Extended Protuberant Domain of Ribosomal Protein uL10 in Protein Translation. <i>Biochemistry</i> , <b>2019</b> , 58, 3744-3754	3.2	1
2	Leucine-rich repeat receptor-like protein kinase AtORPK1 promotes oxidative stress resistance in an AtORPK1-AtKAPP mediated module in Arabidopsis.. <i>Plant Science</i> , <b>2022</b> , 315, 111147	5.3	1
1	A metal tolerance protein, MTP10, is required for the calcium and magnesium homeostasis in .. <i>Plant Signaling and Behavior</i> , <b>2022</b> , 2025322	2.5	