

Tzyy-Jen Chiou

List of Publications by Year in descending order

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58
papers

8,171
citations

117453

34
h-index

143772

57
g-index

62
all docs

62
docs citations

62
times ranked

6134
citing authors

#	ARTICLE	IF	CITATIONS
1	A miRNA Involved in Phosphate-Starvation Response in Arabidopsis. <i>Current Biology</i> , 2005, 15, 2038-2043.	1.8	786
2	Regulation of Phosphate Homeostasis by MicroRNA in Arabidopsis. <i>Plant Cell</i> , 2006, 18, 412-421.	3.1	765
3	Signaling Network in Sensing Phosphate Availability in Plants. <i>Annual Review of Plant Biology</i> , 2011, 62, 185-206.	8.6	682
4	Uncovering Small RNA-Mediated Responses to Phosphate Deficiency in Arabidopsis by Deep Sequencing. <i>Plant Physiology</i> , 2009, 151, 2120-2132.	2.3	631
5	pho2, a Phosphate Overaccumulator, Is Caused by a Nonsense Mutation in a MicroRNA399 Target Gene. <i>Plant Physiology</i> , 2006, 141, 1000-1011.	2.3	573
6	Regulatory Network of MicroRNA399 and <i>PHO2</i> by Systemic Signaling. <i>Plant Physiology</i> , 2008, 147, 732-746.	2.3	401
7	Sucrose is a signal molecule in assimilate partitioning. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1998, 95, 4784-4788.	3.3	375
8	PHO2-Dependent Degradation of PHO1 Modulates Phosphate Homeostasis in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2012, 24, 2168-2183.	3.1	308
9	NITROGEN LIMITATION ADAPTATION, a Target of MicroRNA827, Mediates Degradation of Plasma Membrane-Localized Phosphate Transporters to Maintain Phosphate Homeostasis in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2013, 25, 4061-4074.	3.1	273
10	Identification of Downstream Components of Ubiquitin-Conjugating Enzyme PHOSPHATE2 by Quantitative Membrane Proteomics in <i>Arabidopsis</i> Roots. <i>Plant Cell</i> , 2013, 25, 4044-4060.	3.1	242
11	Transformation of <i>Medicago truncatula</i> via infiltration of seedlings or flowering plants with <i>Agrobacterium</i> . <i>Plant Journal</i> , 2000, 22, 531-541.	2.8	233
12	The role of microRNAs in sensing nutrient stress. <i>Plant, Cell and Environment</i> , 2007, 30, 323-332.	2.8	216
13	Complex Regulation of Two Target Genes Encoding SPX-MFS Proteins by Rice miR827 in Response to Phosphate Starvation. <i>Plant and Cell Physiology</i> , 2010, 51, 2119-2131.	1.5	188
14	Identification of plant vacuolar transporters mediating phosphate storage. <i>Nature Communications</i> , 2016, 7, 11095.	5.8	179
15	The spatial expression patterns of a phosphate transporter (MtPT1) from <i>Medicago truncatula</i> indicate a role in phosphate transport at the root/soil interface. <i>Plant Journal</i> , 2001, 25, 281-293.	2.8	176
16	Molecular regulators of phosphate homeostasis in plants. <i>Journal of Experimental Botany</i> , 2009, 60, 1427-1438.	2.4	151
17	The Role of MicroRNAs in Phosphorus Deficiency Signaling. <i>Plant Physiology</i> , 2011, 156, 1016-1024.	2.3	143
18	Cloning a plant amino acid transporter by functional complementation of a yeast amino acid transport mutant.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1993, 90, 7441-7445.	3.3	129

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19	Differential Regulation of FLOWERING LOCUS C Expression by Vernalization in Cabbage and Arabidopsis. <i>Plant Physiology</i> , 2005, 137, 1037-1048.	2.3	117
20	The long-distance signaling of mineral macronutrients. <i>Current Opinion in Plant Biology</i> , 2009, 12, 312-319.	3.5	115
21	The Role of the miR399-PHO2 Module in the Regulation of Flowering Time in Response to Different Ambient Temperatures in Arabidopsis thaliana. <i>Molecules and Cells</i> , 2011, 32, 83-88.	1.0	113
22	Clonality and clonal evolution of hepatocellular carcinoma with multiple nodules. <i>Hepatology</i> , 1991, 13, 923-928.	3.6	109
23	Sensing and Signaling of Phosphate Starvation: From Local to Long Distance. <i>Plant and Cell Physiology</i> , 2018, 59, 1714-1722.	1.5	83
24	Transgenic Plants That Express the Phytoplasma Effector SAP11 Show Altered Phosphate Starvation and Defense Responses. <i>Plant Physiology</i> , 2014, 164, 1456-1469.	2.3	81
25	Arabidopsis inositol pentakisphosphate 2-kinase, <i>IPK1</i> , is required for growth and modulates phosphate homeostasis at the transcriptional level. <i>Plant Journal</i> , 2014, 80, 503-515.	2.8	81
26	Arabidopsis inositol phosphate kinases <i>IPK1</i> and <i>ITPK1</i> constitute a metabolic pathway in maintaining phosphate homeostasis. <i>Plant Journal</i> , 2018, 95, 613-630.	2.8	79
27	Long-distance call from phosphate: systemic regulation of phosphate starvation responses. <i>Journal of Experimental Botany</i> , 2014, 65, 1817-1827.	2.4	77
28	Role of vacuoles in phosphorus storage and remobilization. <i>Journal of Experimental Botany</i> , 2017, 68, erw481.	2.4	73
29	Vacuolar Ca ²⁺ /H ⁺ Transport Activity Is Required for Systemic Phosphate Homeostasis Involving Shoot-to-Root Signaling in Arabidopsis. <i>Plant Physiology</i> , 2011, 156, 1176-1189.	2.3	72
30	Molecular Cloning, Immunochemical Localization to the Vacuole, and Expression in Transgenic Yeast and Tobacco of a Putative Sugar Transporter from Sugar Beet. <i>Plant Physiology</i> , 1996, 110, 511-520.	2.3	60
31	MicroRNA-mediated surveillance of phosphate transporters on the move. <i>Trends in Plant Science</i> , 2014, 19, 647-655.	4.3	59
32	MicroRNA-mediated signaling and regulation of nutrient transport and utilization. <i>Current Opinion in Plant Biology</i> , 2017, 39, 73-79.	3.5	57
33	Abundance of tRNA-derived small RNAs in phosphate-starved Arabidopsis roots. <i>Plant Signaling and Behavior</i> , 2010, 5, 537-539.	1.2	47
34	Increased phosphate transport of <i>IPK1</i> in Arabidopsis thaliana... <i>IPK1</i> by site-directed mutagenesis of tyrosine 312 may be attributed to the disruption of homomeric interactions. <i>Plant, Cell and Environment</i> , 2015, 38, 2012-2022.	2.8	47
35	Phosphate excess increases susceptibility to pathogen infection in rice. <i>Molecular Plant Pathology</i> , 2020, 21, 555-570.	2.0	45
36	Intracellular phosphate sensing and regulation of phosphate transport systems in plants. <i>Plant Physiology</i> , 2021, 187, 2043-2055.	2.3	39

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37	Evolution of microRNA targeting in the plant kingdom. <i>New Phytologist</i> , 2018, 217, 1712-1725.	3.5	34
38	The Impact of Phosphorus on Plant Immunity. <i>Plant and Cell Physiology</i> , 2021, 62, 582-589.	1.5	32
39	Overexpression of Acyl Carrier Protein-1 Alters Fatty Acid Composition of Leaf Tissue in Arabidopsis. <i>Plant Physiology</i> , 2001, 127, 222-229.	2.3	29
40	STRESS INDUCED FACTOR 2 Regulates Arabidopsis Stomatal Immunity through Phosphorylation of the Anion Channel SLAC1. <i>Plant Cell</i> , 2020, 32, 2216-2236.	3.1	28
41	Biologic significance of the detection of HBsAg and HBeAg in liver and tumor from 204 HBsAg-positive patients with primary hepatocellular carcinoma. <i>Hepatology</i> , 1989, 9, 747-750.	3.6	27
42	Upstream Open Reading Frame and Phosphate-Regulated Expression of Rice <i>OsNLA1</i> Controls Phosphate Transport and Reproduction. <i>Plant Physiology</i> , 2020, 182, 393-407.	2.3	22
43	Promoter-based identification of novel non-coding RNAs reveals the presence of dicistronic snoRNA-miRNA genes in Arabidopsis thaliana. <i>BMC Genomics</i> , 2015, 16, 1009.	1.2	20
44	Phosphite-Mediated Suppression of Anthocyanin Accumulation Regulated by Mitochondrial ATP Synthesis and Sugars in Arabidopsis. <i>Plant and Cell Physiology</i> , 2018, 59, 1158-1169.	1.5	19
45	Long-distance movement and differential targeting of microRNA399s. <i>Plant Signaling and Behavior</i> , 2008, 3, 730-732.	1.2	18
46	Molecular analysis of plant sugar and amino acid transporters. <i>Journal of Experimental Botany</i> , 1996, 47, 1205-1210.	2.4	17
47	Phosphate transporters of <i>Medicago truncatula</i> and arbuscular mycorrhizal fungi. <i>Plant and Soil</i> , 2002, 244, 239-245.	1.8	17
48	Spatial Profiles of Phosphate in Roots Indicate Developmental Control of Uptake, Recycling, and Sequestration. <i>Plant Physiology</i> , 2020, 184, 2064-2077.	2.3	16
49	Phosphate-induced resistance to pathogen infection in Arabidopsis. <i>Plant Journal</i> , 2022, 110, 452-469.	2.8	14
50	Evolution of expression of hepatitis B surface and core antigens (HBsAg, HBeAg) in resected primary and recurrent hepatocellular carcinoma in HBsAg carriers in Taiwan. Correlation with local host immune response. <i>Cancer</i> , 1988, 62, 915-921.	2.0	12
51	The Diverse Roles of Rice PHO1 in Phosphate Transport: From Root to Node to Grain. <i>Plant and Cell Physiology</i> , 2020, 61, 1384-1386.	1.5	12
52	Phosphate transporter PHT1;1 is a key determinant of phosphorus acquisition in Arabidopsis natural accessions. <i>Plant Physiology</i> , 2022, 190, 682-697.	2.3	12
53	Structure-Function Analysis Reveals Amino Acid Residues of Arabidopsis Phosphate Transporter AtPHT1;1 Crucial for Its Activity. <i>Frontiers in Plant Science</i> , 2019, 10, 1158.	1.7	11
54	Phosphorus Focus Editorial. <i>Plant Physiology</i> , 2011, 156, 987-988.	2.3	10

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55	Loss-of-function of NITROGEN LIMITATION ADAPTATION confers disease resistance in Arabidopsis by modulating hormone signaling and camalexin content. <i>Plant Science</i> , 2022, 323, 111374.	1.7	5
56	Development of an In Planta system to monitor phosphorus status by agroinfiltration and agroinjection. <i>Plant and Soil</i> , 2016, 409, 313-328.	1.8	2
57	Editorial overview: Cell signaling and gene regulation: nutrient sensing, signaling, and transport. <i>Current Opinion in Plant Biology</i> , 2017, 39, iii-v.	3.5	2
58	Editorial Feature: Meet the PCP Editor—Tzyj-Jen Chiou. <i>Plant and Cell Physiology</i> , 2021, 62, 1357-1358.	1.5	0