

Chuang Wang

List of Publications by Year in descending order

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32
papers

2,047
citations

430874

18
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434195

31
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33
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33
docs citations

33
times ranked

2499
citing authors

#	ARTICLE	IF	CITATIONS
1	Stress induced gene expression drives transient DNA methylation changes at adjacent repetitive elements. <i>ELife</i> , 2015, 4, .	6.0	285
2	The emerging importance of the SPX domain-containing proteins in phosphate homeostasis. <i>New Phytologist</i> , 2012, 193, 842-851.	7.3	269
3	Involvement of <i>OsSPX1</i> in phosphate homeostasis in rice. <i>Plant Journal</i> , 2009, 57, 895-904.	5.7	228
4	Phosphate homeostasis in the yeast <i>Saccharomyces cerevisiae</i> , the key role of the SPX domain-containing proteins. <i>FEBS Letters</i> , 2012, 586, 289-295.	2.8	140
5	Functional characterization of the rice <i>SPX-MFS</i> family reveals a key role of <i>OsSPX-MFS1</i> in controlling phosphate homeostasis in leaves. <i>New Phytologist</i> , 2012, 196, 139-148.	7.3	139
6	<i>OsSPX-MFS3</i> , a vacuolar phosphate efflux transporter, is involved in maintaining Pi homeostasis in rice. <i>Plant Physiology</i> , 2015, 169, pp.01005.2015.	4.8	109
7	Ethylene is involved in the regulation of iron homeostasis by regulating the expression of iron-acquisition-related genes in <i>Oryza sativa</i> . <i>Journal of Experimental Botany</i> , 2011, 62, 667-674.	4.8	94
8	Overexpression of <i>OsPAP10a</i> , A Root-Associated Acid Phosphatase, Increased Extracellular Organic Phosphorus Utilization in Rice. <i>Journal of Integrative Plant Biology</i> , 2012, 54, 631-639.	8.5	88
9	<i>OsPAP10c</i> , a novel secreted acid phosphatase in rice, plays an important role in the utilization of external organic phosphorus. <i>Plant, Cell and Environment</i> , 2016, 39, 2247-2259.	5.7	85
10	Constitutive overexpression of soybean plasma membrane intrinsic protein GmPIP1;6 confers salt tolerance. <i>BMC Plant Biology</i> , 2014, 14, 181.	3.6	80
11	<i>OsNLA1</i> , a RING-type ubiquitin ligase, maintains phosphate homeostasis in <i>Oryza sativa</i> via degradation of phosphate transporters. <i>Plant Journal</i> , 2017, 90, 1040-1051.	5.7	68
12	Mutation in xyloglucan 6-xylosyltransferase results in abnormal root hair development in <i>Oryza sativa</i> . <i>Journal of Experimental Botany</i> , 2014, 65, 4149-4157.	4.8	52
13	Molecular interaction between PHO2 and GIGANTEA reveals a new crosstalk between flowering time and phosphate homeostasis in <i>Oryza sativa</i> . <i>Plant, Cell and Environment</i> , 2017, 40, 1487-1499.	5.7	49
14	<i>OsPAP26</i> Encodes a Major Purple Acid Phosphatase and Regulates Phosphate Remobilization in Rice. <i>Plant and Cell Physiology</i> , 2017, 58, 885-892.	3.1	49
15	Purple acid phosphatase 10c encodes a major acid phosphatase that regulates plant growth under phosphate-deficient conditions in rice. <i>Journal of Experimental Botany</i> , 2020, 71, 4321-4332.	4.8	48
16	Two h-Type Thioredoxins Interact with the E2 Ubiquitin Conjugase PHO2 to Fine-Tune Phosphate Homeostasis in Rice. <i>Plant Physiology</i> , 2017, 173, 812-824.	4.8	46
17	Roles of Soybean Plasma Membrane Intrinsic Protein GmPIP2;9 in Drought Tolerance and Seed Development. <i>Frontiers in Plant Science</i> , 2018, 9, 530.	3.6	37
18	A Na ₂ CO ₃ -Responsive Chitinase Gene From <i>Leymus chinensis</i> Improve Pathogen Resistance and Saline-Alkali Stress Tolerance in Transgenic Tobacco and Maize. <i>Frontiers in Plant Science</i> , 2020, 11, 504.	3.6	21

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19	Rice <i>ACID PHOSPHATASE</i> 1 regulates Pi stress adaptation by maintaining intracellular Pi homeostasis. <i>Plant, Cell and Environment</i> , 2022, 45, 191-205.	5.7	19
20	Molecular identification and characterization of the pyruvate decarboxylase gene family associated with latex regeneration and stress response in rubber tree. <i>Plant Physiology and Biochemistry</i> , 2015, 87, 35-44.	5.8	18
21	High level of zinc triggers phosphorus starvation by inhibiting root-to-shoot translocation and preferential distribution of phosphorus in rice plants. <i>Environmental Pollution</i> , 2021, 277, 116778.	7.5	18
22	Genome-wide association study dissects the genetic control of plant height and branch number in response to low-phosphorus stress in <i>Brassica napus</i> . <i>Annals of Botany</i> , 2021, 128, 919-930.	2.9	17
23	Boron deficiency-induced root growth inhibition is mediated by brassinosteroid signalling regulation in <i>Arabidopsis</i> . <i>Plant Journal</i> , 2021, 107, 564-578.	5.7	16
24	The rapeseed genotypes with contrasting NUE response discrepantly to varied provision of ammonium and nitrate by regulating photosynthesis, root morphology, nutritional status, and oxidative stress response. <i>Plant Physiology and Biochemistry</i> , 2021, 166, 348-360.	5.8	15
25	Integrating a genome-wide association study with transcriptomic data to predict candidate genes and favourable haplotypes influencing <i>Brassica napus</i> seed phytate. <i>DNA Research</i> , 2021, 28, .	3.4	14
26	Oxygen deficit alleviates phosphate overaccumulation toxicity in <i>OsPHR2</i> overexpression plants. <i>Journal of Plant Research</i> , 2014, 127, 433-440.	2.4	9
27	Local and systemic responses conferring acclimation of <i>Brassica napus</i> roots to low phosphorus conditions. <i>Journal of Experimental Botany</i> , 2022, 73, 4753-4777.	4.8	9
28	Dynamic transcriptome analysis indicates extensive and discrepant transcriptomic reprogramming of two rapeseed genotypes with contrasting NUE in response to nitrogen deficiency. <i>Plant and Soil</i> , 2020, 456, 369-390.	3.7	6
29	Inhibition of nitric oxide production under alkaline conditions regulates iron homeostasis in rice. <i>Physiologia Plantarum</i> , 2021, 172, 1465-1476.	5.2	6
30	Genome-wide analysis of haloacid dehalogenase genes reveals their function in phosphate starvation responses in rice. <i>PLoS ONE</i> , 2021, 16, e0245600.	2.5	5
31	Genetic Control of Seed Phytate Accumulation and the Development of Low-Phytate Crops: A Review and Perspective. <i>Journal of Agricultural and Food Chemistry</i> , 2022, 70, 3375-3390.	5.2	3
32	Improved the Activity of Phosphite Dehydrogenase and its Application in Plant Biotechnology. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 764188.	4.1	1