Mian Gu

List of Publications by Year
in descending order

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26 papers	2,003 citations	361413 20 h-index	580821 25 g-index
26 all docs	26 docs citations	26 times ranked	1834 citing authors

#	Article	IF	Citations
1	The rice phosphate transporter OsPHT1;7 plays a dual role in phosphorus redistribution and anther development. Plant Physiology, 2022, 188, 2272-2288.	4.8	30
2	A crucial role for a nodeâ€localized transporter, HvSPDT, inâ€‰loading phosphorus into barley grains. New Phytologist, 2022, 234, 1249-1261.	7.3	7
3	The rice transcription factor Nhd1 regulates root growth and nitrogen uptake by activating nitrogen transporters. Plant Physiology, 2022, 189, 1608-1624.	4.8	21
4	OsWRKY21 and OsWRKY108 function redundantly to promote phosphate accumulation through maintaining the constitutive expression of OsPHT1;1 under phosphateâ€replete conditions. New Phytologist, 2021, 229, 1598-1614.	7.3	39
5	Modulation of plant root traits by nitrogen and phosphate: transporters, long-distance signaling proteins and peptides, and potential artificial traps. Breeding Science, 2021, 71, 62-75.	1.9	5
6	OsWRKY108 is an integrative regulator of phosphorus homeostasis and leaf inclination in rice. Plant Signaling and Behavior, 2021, 16, 1976545.	2.4	1
7	Two ADPâ€glucose pyrophosphorylase subunits, OsAGPL1 and OsAGPS1, modulate phosphorus homeostasis in rice. Plant Journal, 2020, 104, 1269-1284.	5.7	16
8	OsPHT1;3 Mediates Uptake, Translocation, and Remobilization of Phosphate under Extremely Low Phosphate Regimes. Plant Physiology, 2019, 179, 656-670.	4.8	105
9	A noduleâ€localized phosphate transporter Gm<scp>PT</scp>7 plays an important role in enhancing symbiotic N₂ fixation and yield in soybean. New Phytologist, 2019, 221, 2013-2025.	7.3	68
10	Transport properties and regulatory roles of nitrogen in arbuscular mycorrhizal symbiosis. Seminars in Cell and Developmental Biology, 2018, 74, 80-88.	5.0	41
11	Maintenance of phosphate homeostasis and root development are coordinately regulated by MYB1, an R2R3-type MYB transcription factor in rice. Journal of Experimental Botany, 2017, 68, 3603-3615.	4.8	71
12	Three cis-Regulatory Motifs, AuxRE, MYCRS1 and MYCRS2, are Required for Modulating the Auxin- and Mycorrhiza-Responsive Expression of a Tomato GH3 Gene. Plant and Cell Physiology, 2017, 58, 770-778.	3.1	10
13	Analysis of tomato plasma membrane H+-ATPase gene family suggests a mycorrhiza-mediated regulatory mechanism conserved in diverse plant species. Mycorrhiza, 2016, 26, 645-656.	2.8	23
14	Complex Regulation of Plant Phosphate Transporters and the Gap between Molecular Mechanisms and Practical Application: What Is Missing?. Molecular Plant, 2016, 9, 396-416.	8.3	218
15	The Characterization of Six Auxin-Induced Tomato GH3 Genes Uncovers a Member, SlGH3.4, Strongly Responsive to Arbuscular Mycorrhizal Symbiosis. Plant and Cell Physiology, 2015, 56, 674-687.	3.1	48
16	Phosphate transporter OsPht1;8 in rice plays an important role in phosphorus redistribution from source to sink organs and allocation between embryo and endosperm of seeds. Plant Science, 2015, 230, 23-32.	3.6	69
17	Identification of microRNAs in six solanaceous plants and their potential link with phosphate and mycorrhizal signaling. Journal of Integrative Plant Biology, 2014, 56, 1164-1178.	8.5	38
18	Fine characterization of OsPHO2 knockout mutants reveals its key role in Pi utilization in rice. Journal of Plant Physiology, 2014, 171, 340-348.	3.5	37

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19	A Constitutive Expressed Phosphate Transporter, OsPht1;1, Modulates Phosphate Uptake and Translocation in Phosphate-Replete Rice Â Â. Plant Physiology, 2012, 159, 1571-1581.	4.8	241
20	The High-Affinity Phosphate Transporter GmPT5 Regulates Phosphate Transport to Nodules and Nodulation in Soybean Â Â. Plant Physiology, 2012, 159, 1634-1643.	4.8	153
21	Functional Characterization of 14 Pht1 Family Genes in Yeast and Their Expressions in Response to Nutrient Starvation in Soybean. PLoS ONE, 2012, 7, e47726.	2.5	78
22	The Phosphate Transporter Gene OsPht1;8 Is Involved in Phosphate Homeostasis in Rice Â Â. Plant Physiology, 2011, 156, 1164-1175.	4.8	377
23	Identification of two conserved cisâ€acting elements, MYCS and P1BS, involved in the regulation of mycorrhizaâ€activated phosphate transporters in eudicot species. New Phytologist, 2011, 189, 1157-1169.	7.3	114
24	Adaptation of plasma membrane H+ ATPase and H+ pump to P deficiency in rice roots. Plant and Soil, 2011, 349, 3-11.	3.7	36
25	How does phosphate status influence the development of the arbuscular mycorrhizal symbiosis?. Plant Signaling and Behavior, 2011, 6, 1300-1304.	2.4	30
26	Expression analysis suggests potential roles of microRNAs for phosphate and arbuscular mycorrhizal signaling in Solanum lycopersicum. Physiologia Plantarum, 2010, 138, 226-237.	5.2	127