

# Mian Gu

## List of Publications by Year in descending order

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26  
papers

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citations

361413

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docs citations

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1834  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Phosphate Transporter Gene <i>OsPht1;8</i> Is Involved in Phosphate Homeostasis in Rice. <i>Plant Physiology</i> , 2011, 156, 1164-1175.	4.8	377
2	A Constitutive Expressed Phosphate Transporter, <i>OsPht1;1</i> , Modulates Phosphate Uptake and Translocation in Phosphate-Replete Rice. <i>Plant Physiology</i> , 2012, 159, 1571-1581.	4.8	241
3	Complex Regulation of Plant Phosphate Transporters and the Gap between Molecular Mechanisms and Practical Application: What Is Missing?. <i>Molecular Plant</i> , 2016, 9, 396-416.	8.3	218
4	The High-Affinity Phosphate Transporter <i>GmPT5</i> Regulates Phosphate Transport to Nodules and Nodulation in Soybean. <i>Plant Physiology</i> , 2012, 159, 1634-1643.	4.8	153
5	Expression analysis suggests potential roles of microRNAs for phosphate and arbuscular mycorrhizal signaling in <i>Solanum lycopersicum</i> . <i>Physiologia Plantarum</i> , 2010, 138, 226-237.	5.2	127
6	Identification of two conserved cis-acting elements, MYCS and P1BS, involved in the regulation of mycorrhiza-activated phosphate transporters in eudicot species. <i>New Phytologist</i> , 2011, 189, 1157-1169.	7.3	114
7	<i>OsPHT1;3</i> Mediates Uptake, Translocation, and Remobilization of Phosphate under Extremely Low Phosphate Regimes. <i>Plant Physiology</i> , 2019, 179, 656-670.	4.8	105
8	Functional Characterization of 14 Pht1 Family Genes in Yeast and Their Expressions in Response to Nutrient Starvation in Soybean. <i>PLoS ONE</i> , 2012, 7, e47726.	2.5	78
9	Maintenance of phosphate homeostasis and root development are coordinately regulated by MYB1, an R2R3-type MYB transcription factor in rice. <i>Journal of Experimental Botany</i> , 2017, 68, 3603-3615.	4.8	71
10	Phosphate transporter <i>OsPht1;8</i> in rice plays an important role in phosphorus redistribution from source to sink organs and allocation between embryo and endosperm of seeds. <i>Plant Science</i> , 2015, 230, 23-32.	3.6	69
11	A nodule-localized phosphate transporter <i>GmSCP7</i> plays an important role in enhancing symbiotic N <sub>2</sub> fixation and yield in soybean. <i>New Phytologist</i> , 2019, 221, 2013-2025.	7.3	68
12	The Characterization of Six Auxin-Induced Tomato GH3 Genes Uncovers a Member, <i>SLGH3.4</i> , Strongly Responsive to Arbuscular Mycorrhizal Symbiosis. <i>Plant and Cell Physiology</i> , 2015, 56, 674-687.	3.1	48
13	Transport properties and regulatory roles of nitrogen in arbuscular mycorrhizal symbiosis. <i>Seminars in Cell and Developmental Biology</i> , 2018, 74, 80-88.	5.0	41
14	<i>OsWRKY21</i> and <i>OsWRKY108</i> function redundantly to promote phosphate accumulation through maintaining the constitutive expression of <i>OsPHT1;1</i> under phosphate-replete conditions. <i>New Phytologist</i> , 2021, 229, 1598-1614.	7.3	39
15	Identification of microRNAs in six solanaceous plants and their potential link with phosphate and mycorrhizal signaling. <i>Journal of Integrative Plant Biology</i> , 2014, 56, 1164-1178.	8.5	38
16	Fine characterization of <i>OsPHO2</i> knockout mutants reveals its key role in Pi utilization in rice. <i>Journal of Plant Physiology</i> , 2014, 171, 340-348.	3.5	37
17	Adaptation of plasma membrane H <sup>+</sup> ATPase and H <sup>+</sup> pump to P deficiency in rice roots. <i>Plant and Soil</i> , 2011, 349, 3-11.	3.7	36
18	How does phosphate status influence the development of the arbuscular mycorrhizal symbiosis?. <i>Plant Signaling and Behavior</i> , 2011, 6, 1300-1304.	2.4	30

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19	The rice phosphate transporter OsPHT1;7 plays a dual role in phosphorus redistribution and anther development. <i>Plant Physiology</i> , 2022, 188, 2272-2288.	4.8	30
20	Analysis of tomato plasma membrane H <sup>+</sup> -ATPase gene family suggests a mycorrhiza-mediated regulatory mechanism conserved in diverse plant species. <i>Mycorrhiza</i> , 2016, 26, 645-656.	2.8	23
21	The rice transcription factor Nhd1 regulates root growth and nitrogen uptake by activating nitrogen transporters. <i>Plant Physiology</i> , 2022, 189, 1608-1624.	4.8	21
22	Two ADP-glucose pyrophosphorylase subunits, OsAGPL1 and OsAGPS1, modulate phosphorus homeostasis in rice. <i>Plant Journal</i> , 2020, 104, 1269-1284.	5.7	16
23	Three cis-Regulatory Motifs, AuxRE, MYCRS1 and MYCRS2, are Required for Modulating the Auxin- and Mycorrhiza-Responsive Expression of a Tomato GH3 Gene. <i>Plant and Cell Physiology</i> , 2017, 58, 770-778.	3.1	10
24	A crucial role for a node-localized transporter, HvSPDT, in loading phosphorus into barley grains. <i>New Phytologist</i> , 2022, 234, 1249-1261.	7.3	7
25	Modulation of plant root traits by nitrogen and phosphate: transporters, long-distance signaling proteins and peptides, and potential artificial traps. <i>Breeding Science</i> , 2021, 71, 62-75.	1.9	5
26	OsWRKY108 is an integrative regulator of phosphorus homeostasis and leaf inclination in rice. <i>Plant Signaling and Behavior</i> , 2021, 16, 1976545.	2.4	1