Yi Bing Hu

List of Publications by Year
in descending order

17 papers	1,398 citations	759233 12 h-index	888059 17 g-index
18 all docs	18 docs citations	18 times ranked	1690 citing authors

#	Article	IF	Citations
1	The Role of a Potassium Transporter OsHAK5 in Potassium Acquisition and Transport from Roots to Shoots in Rice at Low Potassium Supply Levels Â Â. Plant Physiology, 2014, 166, 945-959.	4.8	286
2	Rice potassium transporter <scp>O</scp>s<scp>HAK</scp>1 is essential for maintaining potassiumâ€mediated growth and functions in salt tolerance over low and high potassium concentration ranges. Plant, Cell and Environment, 2015, 38, 2747-2765.	5.7	242
3	Functional role of oligomerization for bacterial and plant SWEET sugar transporter family. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, E3685-94.	7.1	233
4	Essential Role of Sugar Transporter OsSWEET11 During the Early Stage of Rice Grain Filling. Plant and Cell Physiology, 2017, 58, 863-873.	3.1	174
5	ARAG1, an ABA-responsive DREB gene, plays a role in seed germination and drought tolerance of rice. Annals of Botany, 2010, 105, 401-409.	2.9	113
6	Overexpression of OsERF1, a novel rice ERF gene, up-regulates ethylene-responsive genes expression besides affects growth and development in Arabidopsis. Journal of Plant Physiology, 2008, 165, 1717-1725.	3.5	71
7	Inhibition of OsSWEET11 function in mesophyll cells improves resistance of rice to sheath blight disease. Molecular Plant Pathology, 2018, 19, 2149-2161.	4.2	68
8	Alteration of nutrient allocation and transporter genes expression in rice under N, P, K, and Mg deficiencies. Acta Physiologiae Plantarum, 2012, 34, 939-946.	2.1	58
9	Proton pump OsA8 is linked to phosphorus uptake and translocation in rice. Journal of Experimental Botany, 2009, 60, 557-565.	4.8	43
10	Interactive effects of potassium and sodium on root growth and expression of K/Na transporter genes in rice. Plant Growth Regulation, 2009, 57, 271-280.	3.4	33
11	Rice SUT and SWEET Transporters. International Journal of Molecular Sciences, 2021, 22, 11198.	4.1	27
12	Functional analyses of a putative plasma membrane Na+/H+ antiporter gene isolated from salt tolerant Helianthus tuberosus. Molecular Biology Reports, 2014, 41, 5097-5108.	2.3	24
13	Using Phylogenetic Analysis to Investigate Eukaryotic Gene Origin. Journal of Visualized Experiments, 2018, , .	0.3	8
14	Essentiality for rice fertility and alternative splicing of OsSUT1. Plant Science, 2022, 314, 111065.	3.6	7
15	Light restored root growth of Arabidopsis with constitutive ethylene response. Acta Physiologiae Plantarum, 2011, 33, 667-674.	2.1	5
16	OsRAF is an ethylene responsive and root abundant factor gene of rice. Plant Growth Regulation, 2007, 54, 55-61.	3.4	4
17	Overexpression of OsPHT1;4 Increases Phosphorus Utilization Efficiency and Improves the Agronomic Traits of Rice cv. Wuyunjing 7. Agronomy, 2022, 12, 1332.	3.0	2