

# Houqing Zeng

## List of Publications by Year in descending order

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Version: 2024-02-01

38  
papers

1,908  
citations

304743

22  
h-index

315739

38  
g-index

38  
all docs

38  
docs citations

38  
times ranked

2309  
citing authors

#	ARTICLE	IF	CITATIONS
1	BNI-release mechanisms in plant root systems: current status of understanding. <i>Biology and Fertility of Soils</i> , 2022, 58, 225-233.	4.3	12
2	H <sup>+</sup> -ATPases in Plant Growth and Stress Responses. <i>Annual Review of Plant Biology</i> , 2022, 73, 495-521.	18.7	45
3	<i>Arabidopsis</i> CAMTA3/SR1 is involved in drought stress tolerance and ABA signaling. <i>Plant Science</i> , 2022, 319, 111250.	3.6	11
4	Sucrose rather than GA transported by AtSWEET13 and AtSWEET14 supports pollen fitness at late anther development stages. <i>New Phytologist</i> , 2022, 236, 525-537.	7.3	17
5	Plasma membrane H <sup>+</sup> -ATPase overexpression increases rice yield via simultaneous enhancement of nutrient uptake and photosynthesis. <i>Nature Communications</i> , 2021, 12, 735.	12.8	97
6	Loss of two families of SPX domain-containing proteins required for vacuolar polyphosphate accumulation coincides with the transition to phosphate storage in green plants. <i>Molecular Plant</i> , 2021, 14, 838-846.	8.3	24
7	Molecular regulation of zinc deficiency responses in plants. <i>Journal of Plant Physiology</i> , 2021, 261, 153419.	3.5	34
8	Insights of intracellular/intercellular phosphate transport and signaling in unicellular green algae and multicellular land plants. <i>New Phytologist</i> , 2021, 232, 1566-1571.	7.3	16
9	Combined analyses of transcriptome and transcriptome in <i>Arabidopsis</i> reveal new players responding to magnesium deficiency. <i>Journal of Integrative Plant Biology</i> , 2021, 63, 2075-2092.	8.5	5
10	Molecular basis of plasma membrane H <sup>+</sup> -ATPase function and potential application in the agricultural production. <i>Plant Physiology and Biochemistry</i> , 2021, 168, 10-16.	5.8	13
11	Genome-Wide Identification, Characterization, and Expression Analyses of P-Type ATPase Superfamily Genes in Soybean. <i>Agronomy</i> , 2021, 11, 71.	3.0	5
12	Comprehensive In Silico Characterization and Expression Profiling of Nine Gene Families Associated with Calcium Transport in Soybean. <i>Agronomy</i> , 2020, 10, 1539.	3.0	15
13	Genome-Wide Identification, Expression Profiling, and Evolution of Phosphate Transporter Gene Family in Green Algae. <i>Frontiers in Genetics</i> , 2020, 11, 590947.	2.3	10
14	Post-translational regulation of plasma membrane H <sup>+</sup> -ATPase is involved in the release of biological nitrification inhibitors from sorghum roots. <i>Plant and Soil</i> , 2020, 450, 357-372.	3.7	9
15	Integrated analyses of miRNAome and transcriptome reveal zinc deficiency responses in rice seedlings. <i>BMC Plant Biology</i> , 2019, 19, 585.	3.6	27
16	Transcriptome profiles of soybean leaves and roots in response to zinc deficiency. <i>Physiologia Plantarum</i> , 2019, 167, 330-351.	5.2	27
17	Involvement of plasma membrane H <sup>+</sup> -ATPase in the ammonium nutrition response of barley roots. <i>Journal of Plant Nutrition and Soil Science</i> , 2018, 181, 878-885.	1.9	13
18	Early Transcriptomic Response to Phosphate Deprivation in Soybean Leaves as Revealed by RNA-Sequencing. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2145.	4.1	19

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19	A Simplified Hydroponic Culture of Arabidopsis. Bio-protocol, 2018, 8, .	0.4	6
20	Analysis of EF-Hand Proteins in Soybean Genome Suggests Their Potential Roles in Environmental and Nutritional Stress Signaling. <i>Frontiers in Plant Science</i> , 2017, 8, 877.	3.6	69
21	A cotton miRNA is involved in regulation of plant response to salt stress. <i>Scientific Reports</i> , 2016, 6, 19736.	3.3	79
22	Transcriptional response of plasma membrane H <sup>+</sup> -ATPase genes to ammonium nutrition and its functional link to the release of biological nitrification inhibitors from sorghum roots. <i>Plant and Soil</i> , 2016, 398, 301-312.	3.7	22
23	Rhizobia-inoculation enhances the soybean's tolerance to salt stress. <i>Plant and Soil</i> , 2016, 400, 209-222.	3.7	49
24	Genome-wide identification of phosphate-deficiency-responsive genes in soybean roots by high-throughput sequencing. <i>Plant and Soil</i> , 2016, 398, 207-227.	3.7	52
25	Involvement of calmodulin and calmodulin-like proteins in plant responses to abiotic stresses. <i>Frontiers in Plant Science</i> , 2015, 6, 600.	3.6	241
26	Identification and expression analyses of calmodulin-binding transcription activator genes in soybean. <i>Plant and Soil</i> , 2015, 386, 205-221.	3.7	52
27	Genome-wide identification, expression analysis of GH3 family genes in <i>Medicago truncatula</i> under stress-related hormones and <i>Sinorhizobium meliloti</i> infection. <i>Applied Microbiology and Biotechnology</i> , 2015, 99, 841-854.	3.6	36
28	miRNA778 and SUVH6 are involved in phosphate homeostasis in Arabidopsis. <i>Plant Science</i> , 2015, 238, 273-285.	3.6	33
29	Role of microRNAs in plant responses to nutrient stress. <i>Plant and Soil</i> , 2014, 374, 1005-1021.	3.7	96
30	Citrate exudation induced by aluminum is independent of plasma membrane H <sup>+</sup> -ATPase activity and coupled with potassium efflux from cluster roots of phosphorus-deficient white lupin. <i>Plant and Soil</i> , 2013, 366, 389-400.	3.7	12
31	Interplay among NH <sub>4</sub> <sup>+</sup> uptake, rhizosphere pH and plasma membrane H <sup>+</sup> -ATPase determine the release of BNIs in sorghum roots – possible mechanisms and underlying hypothesis. <i>Plant and Soil</i> , 2012, 358, 131-141.	3.7	33
32	Stimulation of phosphorus uptake by ammonium nutrition involves plasma membrane H <sup>+</sup> ATPase in rice roots. <i>Plant and Soil</i> , 2012, 357, 205-214.	3.7	56
33	Genome-wide identification of <i>Medicago truncatula</i> microRNAs and their targets reveals their differential regulation by heavy metal. <i>Plant, Cell and Environment</i> , 2012, 35, 86-99.	5.7	182
34	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
35	Analysis of phosphorus-deficient responsive miRNAs and cis-elements from soybean ( <i>Glycine max</i> L.). <i>Journal of Plant Physiology</i> , 2010, 167, 1289-1297.	3.5	96
36	microRNA expression profiles associated with phosphorus deficiency in white lupin ( <i>Lupinus albus</i> L.). <i>Plant Science</i> , 2010, 178, 23-29.	3.6	68

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37	Transcriptome profiling of early developing cotton fiber by deep-sequencing reveals significantly differential expression of genes in a fuzzless/lintless mutant. <i>Genomics</i> , 2010, 96, 369-376.	2.9	154
38	Adaptation of plasma membrane H <sup>+</sup> -ATPase of rice roots to low pH as related to ammonium nutrition. <i>Plant, Cell and Environment</i> , 2009, 32, 1428-1440.	5.7	137