

Honghong Hu

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

6,351
citations

257450

24
h-index

414414

32
g-index

35
all docs

35
docs citations

35
times ranked

6936
citing authors

#	ARTICLE	IF	CITATIONS
1	Serine Hydroxymethyltransferase 1 Is Essential for Primary-Root Growth at Low-Sucrose Conditions. <i>International Journal of Molecular Sciences</i> , 2022, 23, 4540.	4.1	2
2	Expression Pattern and Functional Analyses of Arabidopsis Guard Cell-Enriched GDSL Lipases. <i>Frontiers in Plant Science</i> , 2021, 12, 748543.	3.6	12
3	Two galacturonosyltransferases function in plant growth, stomatal development, and dynamics. <i>Plant Physiology</i> , 2021, 187, 2820-2836.	4.8	15
4	Aldehyde dehydrogenase ALDH3F1 involvement in flowering time regulation through histone acetylation modulation on <i>FLOWERING LOCUS C</i> . <i>Journal of Integrative Plant Biology</i> , 2020, 62, 1080-1092.	8.5	11
5	GDSL lipase occluded stomatal pore 1 is required for wax biosynthesis and stomatal cuticular ledge formation. <i>New Phytologist</i> , 2020, 228, 1880-1896.	7.3	45
6	OsTMF attenuates cold tolerance by affecting cell wall properties in rice. <i>New Phytologist</i> , 2020, 227, 498-512.	7.3	18
7	Involvement of abscisic acid, ABI5, and PPC2 in plant acclimation to low CO ₂ . <i>Journal of Experimental Botany</i> , 2020, 71, 4093-4108.	4.8	13
8	Genome-Wide Identification of SNAC1-Targeted Genes Involved in Drought Response in Rice. <i>Frontiers in Plant Science</i> , 2019, 10, 982.	3.6	34
9	Reversible Histone H2B Monoubiquitination Fine-Tunes Abscisic Acid Signaling and Drought Response in Rice. <i>Molecular Plant</i> , 2019, 12, 263-277.	8.3	53
10	Arabidopsis IAR4 Modulates Primary Root Growth Under Salt Stress Through ROS-Mediated Modulation of Auxin Distribution. <i>Frontiers in Plant Science</i> , 2019, 10, 522.	3.6	52
11	Intact leaf gas exchange provides a robust method for measuring the kinetics of stomatal conductance responses to abscisic acid and other small molecules in Arabidopsis and grasses. <i>Plant Methods</i> , 2019, 15, 38.	4.3	38
12	Genome-Wide Association Studies of Image Traits Reveal Genetic Architecture of Drought Resistance in Rice. <i>Molecular Plant</i> , 2018, 11, 789-805.	8.3	151
13	Integrative Regulation of Drought Escape through ABA-Dependent and -Independent Pathways in Rice. <i>Molecular Plant</i> , 2018, 11, 584-597.	8.3	112
14	The BIG protein distinguishes the process of CO ₂ -induced stomatal closure from the inhibition of stomatal opening by CO ₂ . <i>New Phytologist</i> , 2018, 218, 232-241.	7.3	43
15	Reconstitution of CO ₂ Regulation of SLAC1 Anion Channel and Function of CO ₂ -Permeable PIP2;1 Aquaporin as CARBONIC ANHYDRASE4 Interactor. <i>Plant Cell</i> , 2016, 28, 568-582.	6.6	130
16	Natural Variation in Arabidopsis Cvi-0 Accession Reveals an Important Role of MPK12 in Guard Cell CO ₂ Signaling. <i>PLoS Biology</i> , 2016, 14, e2000322.	5.6	69
17	Distinct Cellular Locations of Carbonic Anhydrases Mediate Carbon Dioxide Control of Stomatal Movements. <i>Plant Physiology</i> , 2015, 169, 1168-1178.	4.8	78
18	A STRESS-RESPONSIVE NAC1-Regulated Protein Phosphatase Gene Rice Protein Phosphatase18 Modulates Drought and Oxidative Stress Tolerance through Abscisic Acid-Independent Reactive Oxygen Species Scavenging in Rice. <i>Plant Physiology</i> , 2014, 166, 2100-2114.	4.8	142

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19	A special member of the rice SRO family, OsSRO1c, mediates responses to multiple abiotic stresses through interaction with various transcription factors. <i>Plant Molecular Biology</i> , 2014, 84, 693-705.	3.9	48
20	Genetic Engineering and Breeding of Drought-Resistant Crops. <i>Annual Review of Plant Biology</i> , 2014, 65, 715-741.	18.7	561
21	Carbonic anhydrases, EPF2 and a novel protease mediate CO ₂ control of stomatal development. <i>Nature</i> , 2014, 513, 246-250.	27.8	189
22	The SNAC1-targeted gene OsSRO1c modulates stomatal closure and oxidative stress tolerance by regulating hydrogen peroxide in rice. <i>Journal of Experimental Botany</i> , 2013, 64, 569-583.	4.8	192
23	PYR/RCAR Receptors Contribute to Ozone-, Reduced Air Humidity-, Darkness-, and CO ₂ -Induced Stomatal Regulation. <i>Plant Physiology</i> , 2013, 162, 1652-1668.	4.8	190
24	Reconstitution of abscisic acid activation of SLAC1 anion channel by CPK6 and OST1 kinases and branched ABI1 PP2C phosphatase action. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 10593-10598.	7.1	393
25	An ornithine $\hat{\Gamma}$ -aminotransferase gene OsOAT confers drought and oxidative stress tolerance in rice. <i>Plant Science</i> , 2012, 197, 59-69.	3.6	115
26	Exploring CO ₂ permeability of plant aquaporins. <i>FASEB Journal</i> , 2012, 26, 1103.8.	0.5	0
27	Central functions of bicarbonate in S-type anion channel activation and OST1 protein kinase in CO ₂ signal transduction in guard cell. <i>EMBO Journal</i> , 2011, 30, 1645-1658.	7.8	167
28	Carbonic anhydrases are upstream regulators of CO ₂ -controlled stomatal movements in guard cells. <i>Nature Cell Biology</i> , 2010, 12, 87-93.	10.3	364
29	Guard Cell Signal Transduction Network: Advances in Understanding Abscisic Acid, CO ₂ , and Ca ²⁺ Signaling. <i>Annual Review of Plant Biology</i> , 2010, 61, 561-591.	18.7	1,165
30	Characterization of transcription factor gene SNAC2 conferring cold and salt tolerance in rice. <i>Plant Molecular Biology</i> , 2008, 67, 169-181.	3.9	561
31	Overexpressing a NAM, ATAF, and CUC (NAC) transcription factor enhances drought resistance and salt tolerance in rice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 12987-12992.	7.1	1,371