

Guang Chen

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

1,662
citations

361413

20
h-index

477307

29
g-index

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30
docs citations

30
times ranked

1982
citing authors

#	ARTICLE	IF	CITATIONS
1	Molecular and Evolutionary Mechanisms of Cuticular Wax for Plant Drought Tolerance. <i>Frontiers in Plant Science</i> , 2017, 8, 621.	3.6	211
2	Molecular Evolution of Grass Stomata. <i>Trends in Plant Science</i> , 2017, 22, 124-139.	8.8	202
3	Evolutionary Conservation of ABA Signaling for Stomatal Closure. <i>Plant Physiology</i> , 2017, 174, 732-747.	4.8	158
4	Evolution of chloroplast retrograde signaling facilitates green plant adaptation to land. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 5015-5020.	7.1	138
5	QTLs for stomatal and photosynthetic traits related to salinity tolerance in barley. <i>BMC Genomics</i> , 2017, 18, 9.	2.8	108
6	Transcriptome profiling analysis for two Tibetan wild barley genotypes in responses to low nitrogen. <i>BMC Plant Biology</i> , 2016, 16, 30.	3.6	104
7	The energy cost of the tonoplast futile sodium leak. <i>New Phytologist</i> , 2020, 225, 1105-1110.	7.3	86
8	GORX Channel: A Master Switch of Plant Metabolism?. <i>Trends in Plant Science</i> , 2020, 25, 434-445.	8.8	73
9	Evolution of Abscisic Acid Signaling for Stress Responses to Toxic Metals and Metalloids. <i>Frontiers in Plant Science</i> , 2020, 11, 909.	3.6	68
10	Genomic adaptation to drought in wild barley is driven by edaphic natural selection at the Tabigha Evolution Slope. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 5223-5228.	7.1	64
11	Linking stomatal traits and expression of slow anion channel genes HvSLAH1 and HvSLAC1 with grain yield for increasing salinity tolerance in barley. <i>Frontiers in Plant Science</i> , 2014, 5, 634.	3.6	49
12	Root and leaf metabolite profiles analysis reveals the adaptive strategies to low potassium stress in barley. <i>BMC Plant Biology</i> , 2018, 18, 187.	3.6	47
13	Cadmium-zinc cross-talk delineates toxicity tolerance in rice via differential genes expression and physiological / ultrastructural adjustments. <i>Ecotoxicology and Environmental Safety</i> , 2020, 190, 110076.	6.0	39
14	Evolution of rapid blueâ€light response linked to explosive diversification of ferns in angiosperm forests. <i>New Phytologist</i> , 2021, 230, 1201-1213.	7.3	33
15	Leaf epidermis transcriptome reveals drought-Induced hormonal signaling for stomatal regulation in wild barley. <i>Plant Growth Regulation</i> , 2019, 87, 39-54.	3.4	29
16	Metalloid hazards: From plant molecular evolution to mitigation strategies. <i>Journal of Hazardous Materials</i> , 2021, 409, 124495.	12.4	29
17	Molecular Evolution of Calcium Signaling and Transport in Plant Adaptation to Abiotic Stress. <i>International Journal of Molecular Sciences</i> , 2021, 22, 12308.	4.1	28
18	Molecular evolution and functional modification of plant miRNAs with CRISPR. <i>Trends in Plant Science</i> , 2022, 27, 890-907.	8.8	27

#	ARTICLE	IF	CITATIONS
19	Root plasticity and Pi recycling within plants contribute to low-P tolerance in Tibetan wild barley. <i>BMC Plant Biology</i> , 2019, 19, 341.	3.6	23
20	Transcriptomic analysis reveals adaptive strategies to chronic low nitrogen in Tibetan wild barley. <i>BMC Plant Biology</i> , 2019, 19, 68.	3.6	22
21	Molecular Evolution and Interaction of Membrane Transport and Photoreception in Plants. <i>Frontiers in Genetics</i> , 2019, 10, 956.	2.3	21
22	A Nck-associated protein like protein affects drought sensitivity by its involvement in leaf epidermal development and stomatal closure in rice. <i>Plant Journal</i> , 2019, 98, 884-897.	5.7	19
23	Molecular Interaction and Evolution of Jasmonate Signaling With Transport and Detoxification of Heavy Metals and Metalloids in Plants. <i>Frontiers in Plant Science</i> , 2021, 12, 665842.	3.6	17
24	Molecular Evolution of Plant 14-3-3 Proteins and Function of Hv14-3-3A in Stomatal Regulation and Drought Tolerance. <i>Plant and Cell Physiology</i> , 2023, 63, 1857-1872.	3.1	15
25	Transcriptomic comparison of two barley genotypes differing in arsenic tolerance exposed to arsenate and phosphate treatments. <i>Plant Physiology and Biochemistry</i> , 2018, 130, 589-603.	5.8	14
26	Molecular response and evolution of plant anion transport systems to abiotic stress. <i>Plant Molecular Biology</i> , 2022, 110, 397-412.	3.9	12
27	SMXLs regulate seed germination under salinity and drought stress in soybean. <i>Plant Growth Regulation</i> , 2022, 96, 397-408.	3.4	10
28	Molecular Regulation and Evolution of Cytokinin Signaling in Plant Abiotic Stresses. <i>Plant and Cell Physiology</i> , 2023, 63, 1787-1805.	3.1	10
29	Evolutionary and Regulatory Pattern Analysis of Soybean Ca ²⁺ ATPases for Abiotic Stress Tolerance. <i>Frontiers in Plant Science</i> , 2022, 13, .	3.6	6
30	Stomatal regulation and adaptation to salinity in glycophytes and halophytes. <i>Advances in Botanical Research</i> , 2022, , .	1.1	0