

Yikun He

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

679
citations

840776

11
h-index

677142

22
g-index

24
all docs

24
docs citations

24
times ranked

1279
citing authors

#	ARTICLE	IF	CITATIONS
1	A molecular pathway for CO ₂ response in Arabidopsis guard cells. Nature Communications, 2015, 6, 6057.	12.8	145
2	The resurrection genome of <i>Boea hygrometrica</i> : A blueprint for survival of dehydration. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 5833-5837.	7.1	132
3	A transceptor channel complex couples nitrate sensing to calcium signaling in Arabidopsis. Molecular Plant, 2021, 14, 774-786.	8.3	60
4	Nitric oxide negatively regulates AKT1-mediated potassium uptake through modulating vitamin B6 homeostasis in <i>Arabidopsis</i> . Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 16196-16201.	7.1	52
5	Desiccation tolerance in <i>Physcomitrella patens</i> : Rate of dehydration and the involvement of endogenous abscisic acid (ABA). Plant, Cell and Environment, 2018, 41, 275-284.	5.7	48
6	Nitric oxide induces cotyledon senescence involving co-operation of the NES1/MAD1 and EIN2-associated ORE1 signalling pathways in Arabidopsis. Journal of Experimental Botany, 2014, 65, 4051-4063.	4.8	44
7	Structural basis for plant lutein biosynthesis from β -carotene. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 14150-14157.	7.1	36
8	Structural and Functional Analysis of the Antiparallel Strands in the Luminal Loop of the Major Light-harvesting Chlorophyll a/b Complex of Photosystem II (LHCIIb) by Site-directed Mutagenesis. Journal of Biological Chemistry, 2008, 283, 487-495.	3.4	31
9	Structure of the <i>Arabidopsis thaliana</i> NADPH cytochrome P450 reductase 2 (ATR2) provides insight into its function. FEBS Journal, 2017, 284, 754-765.	4.7	25
10	Lignin reduction in transgenic poplars by expressing antisense CCoAOMT gene. Progress in Natural Science: Materials International, 2004, 14, 1060-1063.	4.4	13
11	Endogenous Small-Noncoding RNAs and Potential Functions in Desiccation Tolerance in <i>Physcomitrella Patens</i> . Scientific Reports, 2016, 6, 30118.	3.3	13
12	PpAKR1A, a Novel Aldo-Keto Reductase from <i>Physcomitrella Patens</i> , Plays a Positive Role in Salt Stress. International Journal of Molecular Sciences, 2019, 20, 5723.	4.1	13
13	Dehydration-responsive features of <i>Atrichum undulatum</i> . Journal of Plant Research, 2016, 129, 945-954.	2.4	12
14	Heterologous expression of two <i>Physcomitrella patens</i> group 3 late embryogenesis abundant protein (LEA3) genes confers salinity tolerance in arabidopsis. Journal of Plant Biology, 2016, 59, 182-193.	2.1	12
15	Protoplast culture and plant regeneration of <i>Pinellia ternata</i> . Plant Cell Reports, 1996, 16, 92-96.	5.6	9
16	Phospho-proteomic analysis of developmental reprogramming in the moss <i>Physcomitrella patens</i> . Journal of Proteomics, 2014, 108, 284-294.	2.4	9
17	A chloride efflux transporter, BIG RICE GRAIN 1, is involved in mediating grain size and salt tolerance in rice. Journal of Integrative Plant Biology, 2021, 63, 2150-2163.	8.5	8
18	Quantitative Proteomics Analysis of Developmental Reprogramming in Protoplasts of the Moss <i>Physcomitrella patens</i> . Plant and Cell Physiology, 2017, 58, 946-961.	3.1	6

#	ARTICLE	IF	CITATIONS
19	Molecular cloning and functional characterization of <i>Physcomitrella patens</i> UBC13-UEV1 genes required for Lys63-linked polyubiquitination. <i>Plant Science</i> , 2020, 297, 110518.	3.6	4
20	A simple and reliable qualitative detection of six foodstuff powders using optical thin-film biosensor chips. <i>European Food Research and Technology</i> , 2013, 236, 899-904.	3.3	2
21	<i>TEB</i> / <i>POLQ</i> plays dual roles in protecting <i>Arabidopsis</i> from NO-induced DNA damage. <i>Nucleic Acids Research</i> , 2022, 50, 6820-6836.	14.5	2
22	Expression of <i>Arabidopsis</i> tryptophan biosynthetic pathway genes: effect of the 5' coding region of phosphoribosylanthranilate isomerase gene. <i>Science in China Series C: Life Sciences</i> , 1999, 42, 274-280.	1.3	0
23	Cloning and functional analysis of chloroplast division gene <i>NtFtsZ2-l</i> in <i>Nicotiana tabacum</i> *. <i>Progress in Natural Science: Materials International</i> , 2003, 13, 357-361.	4.4	0