

Ming-Che Shih

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

35
papers

1,405
citations

21
h-index

37
g-index

39
ext. papers

1,897
ext. citations

7.1
avg, IF

4.48
L-index

#	Paper	IF	Citations
35	The AP2/ERF transcription factor AtERF73/HRE1 modulates ethylene responses during hypoxia in Arabidopsis. <i>Plant Physiology</i> , 2011 , 156, 202-12	6.6	132
34	Application of protoplast technology to CRISPR/Cas9 mutagenesis: from single-cell mutation detection to mutant plant regeneration. <i>Plant Biotechnology Journal</i> , 2018 , 16, 1295-1310	11.6	118
33	Submergence confers immunity mediated by the WRKY22 transcription factor in Arabidopsis. <i>Plant Cell</i> , 2013 , 25, 2699-713	11.6	111
32	The location and translocation of ndh genes of chloroplast origin in the Orchidaceae family. <i>Scientific Reports</i> , 2015 , 5, 9040	4.9	90
31	Signaling events in the hypoxic induction of alcohol dehydrogenase gene in Arabidopsis. <i>Plant Physiology</i> , 2001 , 126, 742-9	6.6	90
30	Community recommendations on terminology and procedures used in flooding and low oxygen stress research. <i>New Phytologist</i> , 2017 , 214, 1403-1407	9.8	84
29	Differential expression of genes encoding 1-aminocyclopropane-1-carboxylate synthase in Arabidopsis during hypoxia. <i>Plant Molecular Biology</i> , 2005 , 58, 15-25	4.6	79
28	Insights into hypoxic systemic responses based on analyses of transcriptional regulation in Arabidopsis. <i>PLoS ONE</i> , 2011 , 6, e28888	3.7	70
27	Assembling a cellulase cocktail and a celloextrin transporter into a yeast host for CBP ethanol production. <i>Biotechnology for Biofuels</i> , 2013 , 6, 19	7.8	62
26	Quantitative phosphoproteomics of protein kinase SnRK1 regulated protein phosphorylation in Arabidopsis under submergence. <i>Journal of Experimental Botany</i> , 2016 , 67, 2745-60	7	61
25	Concomitant loss of NDH complex-related genes within chloroplast and nuclear genomes in some orchids. <i>Plant Journal</i> , 2017 , 90, 994-1006	6.9	49
24	Integrating an algal β -carotene hydroxylase gene into a designed carotenoid-biosynthesis pathway increases carotenoid production in yeast. <i>Bioresource Technology</i> , 2015 , 184, 2-8	11	44
23	Involvement of type VI secretion system in secretion of iron chelator pyoverdine in <i>Pseudomonas taiwanensis</i> . <i>Scientific Reports</i> , 2016 , 6, 32950	4.9	40
22	Chromosome-level assembly, genetic and physical mapping of <i>Phalaenopsis aphrodite</i> genome provides new insights into species adaptation and resources for orchid breeding. <i>Plant Biotechnology Journal</i> , 2018 , 16, 2027-2041	11.6	35
21	PGASO: A synthetic biology tool for engineering a cellulolytic yeast. <i>Biotechnology for Biofuels</i> , 2012 , 5, 53	7.8	35
20	Transcriptome-wide analysis of the MADS-box gene family in the orchid <i>Erycina pusilla</i> . <i>Plant Biotechnology Journal</i> , 2016 , 14, 284-98	11.6	35
19	Ethylene-Regulated Glutamate Dehydrogenase Fine-Tunes Metabolism during Anoxia-Reoxygenation. <i>Plant Physiology</i> , 2016 , 172, 1548-1562	6.6	35

18	Regulatory cascade involving transcriptional and N-end rule pathways in rice under submergence. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 3300-3309	11.5	34
17	Orchidstra 2.0-A Transcriptomics Resource for the Orchid Family. <i>Plant and Cell Physiology</i> , 2017 , 58, e9	4.9	33
16	Ethylene plays an essential role in the recovery of Arabidopsis during post-anaerobiosis reoxygenation. <i>Plant, Cell and Environment</i> , 2014 , 37, 2391-405	8.4	32
15	Characterization of an insecticidal toxin and pathogenicity of <i>Pseudomonas taiwanensis</i> against insects. <i>PLoS Pathogens</i> , 2014 , 10, e1004288	7.6	27
14	The SnRK1-eIFiso4G1 signaling relay regulates the translation of specific mRNAs in Arabidopsis under submergence. <i>New Phytologist</i> , 2019 , 222, 366-381	9.8	21
13	Energy and sugar signaling during hypoxia. <i>New Phytologist</i> , 2021 , 229, 57-63	9.8	20
12	A thermo- and toxin-tolerant kefir yeast for biorefinery and biofuel production. <i>Applied Energy</i> , 2014 , 132, 465-474	10.7	14
11	Segmental and tandem chromosome duplications led to divergent evolution of the chalcone synthase gene family in <i>Phalaenopsis</i> orchids. <i>Annals of Botany</i> , 2019 , 123, 69-77	4.1	10
10	Analysis of genetic diversity of <i>Xanthomonas oryzae</i> pv. <i>oryzae</i> populations in Taiwan. <i>Scientific Reports</i> , 2019 , 9, 316	4.9	8
9	Plant defense after flooding. <i>Plant Signaling and Behavior</i> , 2013 , 8, e26922	2.5	6
8	Omics Applications to Biofuel Research 2010 , 265-276		6
7	DNA-free CRISPR-Cas9 gene editing of wild tetraploid tomato <i>Solanum peruvianum</i> using protoplast regeneration.. <i>Plant Physiology</i> , 2022 ,	6.6	5
6	Blue Light Acclimation Reduces the Photoinhibition of (Moth Orchid). <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	5
5	Blue Light Mediates Chloroplast Avoidance and Enhances Photoprotection of Vanilla Orchid. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	4
4	Efficient and Economical Targeted Insertion in Plant Genomes via Protoplast Regeneration		3
3	Efficient and Economical Targeted Insertion in Plant Genomes via Protoplast Regeneration. <i>CRISPR Journal</i> , 2021 , 4, 752-760	2.5	3
2	Environmental biosafety assessment on transgenic orchid modified by RNA interference of genes. <i>Plant Biotechnology</i> , 2019 , 36, 181-185	1.3	2
1	CaNRT2.1 Is Required for Nitrate but Not Nitrite Uptake in Chili Pepper Pathogen. <i>Frontiers in Microbiology</i> , 2020 , 11, 613674	5.7	0

