

# Ming-Che Shih

## List of Publications by Year in Descending Order

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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	DNA-free CRISPR-Cas9 gene editing of wild tetraploid tomato <i>Solanum peruvianum</i> using protoplast regeneration.. <i>Plant Physiology</i> , <b>2022</b> ,	6.6	5
34	Energy and sugar signaling during hypoxia. <i>New Phytologist</i> , <b>2021</b> , 229, 57-63	9.8	20
33	Efficient and Economical Targeted Insertion in Plant Genomes via Protoplast Regeneration. <i>CRISPR Journal</i> , <b>2021</b> , 4, 752-760	2.5	3
32	Blue Light Mediates Chloroplast Avoidance and Enhances Photoprotection of Vanilla Orchid. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	4
31	Blue Light Acclimation Reduces the Photoinhibition of (Moth Orchid). <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	5
30	CaNRT2.1 Is Required for Nitrate but Not Nitrite Uptake in Chili Pepper Pathogen. <i>Frontiers in Microbiology</i> , <b>2020</b> , 11, 613674	5.7	0
29	Analysis of genetic diversity of <i>Xanthomonas oryzae</i> pv. <i>oryzae</i> populations in Taiwan. <i>Scientific Reports</i> , <b>2019</b> , 9, 316	4.9	8
28	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> , <b>2019</b> , 116, 3300-3309	11.5	34
27	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> , <b>2019</b> , 123, 69-77	4.1	10
26	Environmental biosafety assessment on transgenic orchid modified by RNA interference of genes. <i>Plant Biotechnology</i> , <b>2019</b> , 36, 181-185	1.3	2
25	The SnRK1-eIFiso4G1 signaling relay regulates the translation of specific mRNAs in <i>Arabidopsis</i> under submergence. <i>New Phytologist</i> , <b>2019</b> , 222, 366-381	9.8	21
24	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> , <b>2018</b> , 16, 2027-2041	11.6	35
23	Application of protoplast technology to CRISPR/Cas9 mutagenesis: from single-cell mutation detection to mutant plant regeneration. <i>Plant Biotechnology Journal</i> , <b>2018</b> , 16, 1295-1310	11.6	118
22	Concomitant loss of NDH complex-related genes within chloroplast and nuclear genomes in some orchids. <i>Plant Journal</i> , <b>2017</b> , 90, 994-1006	6.9	49
21	Community recommendations on terminology and procedures used in flooding and low oxygen stress research. <i>New Phytologist</i> , <b>2017</b> , 214, 1403-1407	9.8	84
20	Orchidstra 2.0-A Transcriptomics Resource for the Orchid Family. <i>Plant and Cell Physiology</i> , <b>2017</b> , 58, e9	4.9	33
19	Involvement of type VI secretion system in secretion of iron chelator pyoverdine in <i>Pseudomonas taiwanensis</i> . <i>Scientific Reports</i> , <b>2016</b> , 6, 32950	4.9	40

18	Quantitative phosphoproteomics of protein kinase SnRK1 regulated protein phosphorylation in Arabidopsis under submergence. <i>Journal of Experimental Botany</i> , <b>2016</b> , 67, 2745-60	7	61
17	Transcriptome-wide analysis of the MADS-box gene family in the orchid <i>Erycina pusilla</i> . <i>Plant Biotechnology Journal</i> , <b>2016</b> , 14, 284-98	11.6	35
16	Ethylene-Regulated Glutamate Dehydrogenase Fine-Tunes Metabolism during Anoxia-Reoxygenation. <i>Plant Physiology</i> , <b>2016</b> , 172, 1548-1562	6.6	35
15	The location and translocation of <i>ndh</i> genes of chloroplast origin in the Orchidaceae family. <i>Scientific Reports</i> , <b>2015</b> , 5, 9040	4.9	90
14	Integrating an algal $\beta$ -carotene hydroxylase gene into a designed carotenoid-biosynthesis pathway increases carotenoid production in yeast. <i>Bioresource Technology</i> , <b>2015</b> , 184, 2-8	11	44
13	A thermo- and toxin-tolerant kefir yeast for biorefinery and biofuel production. <i>Applied Energy</i> , <b>2014</b> , 132, 465-474	10.7	14
12	Characterization of an insecticidal toxin and pathogenicity of <i>Pseudomonas taiwanensis</i> against insects. <i>PLoS Pathogens</i> , <b>2014</b> , 10, e1004288	7.6	27
11	Ethylene plays an essential role in the recovery of Arabidopsis during post-anaerobiosis reoxygenation. <i>Plant, Cell and Environment</i> , <b>2014</b> , 37, 2391-405	8.4	32
10	Assembling a cellulase cocktail and a cellodextrin transporter into a yeast host for CBP ethanol production. <i>Biotechnology for Biofuels</i> , <b>2013</b> , 6, 19	7.8	62
9	Submergence confers immunity mediated by the WRKY22 transcription factor in Arabidopsis. <i>Plant Cell</i> , <b>2013</b> , 25, 2699-713	11.6	111
8	Plant defense after flooding. <i>Plant Signaling and Behavior</i> , <b>2013</b> , 8, e26922	2.5	6
7	PGASO: A synthetic biology tool for engineering a cellulolytic yeast. <i>Biotechnology for Biofuels</i> , <b>2012</b> , 5, 53	7.8	35
6	The AP2/ERF transcription factor AtERF73/HRE1 modulates ethylene responses during hypoxia in Arabidopsis. <i>Plant Physiology</i> , <b>2011</b> , 156, 202-12	6.6	132
5	Insights into hypoxic systemic responses based on analyses of transcriptional regulation in Arabidopsis. <i>PLoS ONE</i> , <b>2011</b> , 6, e28888	3.7	70
4	Omics Applications to Biofuel Research <b>2010</b> , 265-276		6
3	Differential expression of genes encoding 1-aminocyclopropane-1-carboxylate synthase in Arabidopsis during hypoxia. <i>Plant Molecular Biology</i> , <b>2005</b> , 58, 15-25	4.6	79
2	Signaling events in the hypoxic induction of alcohol dehydrogenase gene in Arabidopsis. <i>Plant Physiology</i> , <b>2001</b> , 126, 742-9	6.6	90
1	Efficient and Economical Targeted Insertion in Plant Genomes via Protoplast Regeneration		3

