

# Dai-Yin Chao

## List of Publications by Year in descending order

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42  
papers

6,071  
citations

159573

30  
h-index

276858

41  
g-index

44  
all docs

44  
docs citations

44  
times ranked

6688  
citing authors

#	ARTICLE	IF	CITATIONS
1	Decreasing nitrogen assimilation under drought stress by suppressing DST-mediated activation of Nitrate Reductase 1.2 in rice. <i>Molecular Plant</i> , 2022, 15, 167-178.	8.3	40
2	Phytochrome-interacting factors orchestrate hypocotyl adventitious root initiation in <i>Arabidopsis</i> . <i>Development (Cambridge)</i> , 2022, 149, .	2.5	8
3	Sec24C mediates a Golgi-independent trafficking pathway that is required for tonoplast localisation of ABCC1 and ABCC2. <i>New Phytologist</i> , 2022, 235, 1486-1500.	7.3	11
4	Phytochrome B inhibits darkness-induced hypocotyl adventitious root formation by stabilizing IAA14 and suppressing ARF7 and ARF19. <i>Plant Journal</i> , 2021, 105, 1689-1702.	5.7	16
5	NPF transporters in synaptic-like vesicles control delivery of iron and copper to seeds. <i>Science Advances</i> , 2021, 7, eabh2450.	10.3	29
6	Long-distance blue light signalling regulates phosphate deficiency-induced primary root growth inhibition. <i>Molecular Plant</i> , 2021, 14, 1539-1553.	8.3	27
7	Uclacyanin Proteins Are Required for Lignified Nanodomain Formation within Casparian Strips. <i>Current Biology</i> , 2020, 30, 4103-4111.e6.	3.9	38
8	A rice chloroplast-localized ABC transporter ARG1 modulates cobalt and nickel homeostasis and contributes to photosynthetic capacity. <i>New Phytologist</i> , 2020, 228, 163-178.	7.3	23
9	Plant abiotic stress response and nutrient use efficiency. <i>Science China Life Sciences</i> , 2020, 63, 635-674.	4.9	689
10	The ABC transporter ABCG36 is required for cadmium tolerance in rice. <i>Journal of Experimental Botany</i> , 2019, 70, 5909-5918.	4.8	145
11	Inositol Pyrophosphate InsP8 Acts as an Intracellular Phosphate Signal in <i>Arabidopsis</i> . <i>Molecular Plant</i> , 2019, 12, 1463-1473.	8.3	143
12	Plant evolution and environmental adaptation unveiled by long-read whole-genome sequencing of <i>Spirodela</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 18893-18899.	7.1	76
13	The Gene Network That Regulates Salt Tolerance in Rice. , 2018, , 297-316.		1
14	TSC1 enables plastid development under dark conditions, contributing to rice adaptation to transplantation shock. <i>Journal of Integrative Plant Biology</i> , 2018, 60, 112-129.	8.5	7
15	AtHMA4 Drives Natural Variation in Leaf Zn Concentration of <i>Arabidopsis thaliana</i> . <i>Frontiers in Plant Science</i> , 2018, 9, 270.	3.6	20
16	Ionic and transcriptomic analysis provides new insight into the distribution and transport of cadmium and arsenic in rice. <i>Journal of Hazardous Materials</i> , 2017, 331, 246-256.	12.4	82
17	Structure and mechanism of a group-I cobalt energy coupling factor transporter. <i>Cell Research</i> , 2017, 27, 675-687.	12.0	44
18	A new vesicle trafficking regulator CTL1 plays a crucial role in ion homeostasis. <i>PLoS Biology</i> , 2017, 15, e2002978.	5.6	44

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19	AtHKT1 drives adaptation of <i>Arabidopsis thaliana</i> to salinity by reducing floral sodium content. <i>PLoS Genetics</i> , 2017, 13, e1007086.	3.5	56
20	Nuclear Localised MORE SULPHUR ACCUMULATION1 Epigenetically Regulates Sulphur Homeostasis in <i>Arabidopsis thaliana</i> . <i>PLoS Genetics</i> , 2016, 12, e1006298.	3.5	81
21	OsHAC1;1 and OsHAC1;2 Function as Arsenate Reductases and Regulate Arsenic Accumulation. <i>Plant Physiology</i> , 2016, 172, 1708-1719.	4.8	200
22	Get More Acids for More Iron: A New Regulatory Pathway for Iron Homeostasis. <i>Molecular Plant</i> , 2016, 9, 498-500.	8.3	4
23	Nitrogen-use efficiency: Transport solution in rice variations. <i>Nature Plants</i> , 2015, 1, 15096.	9.3	7
24	Natural alleles of a proteasome $\hat{\pm}2$ subunit gene contribute to thermotolerance and adaptation of African rice. <i>Nature Genetics</i> , 2015, 47, 827-833.	21.4	265
25	Genome-wide Association Mapping Identifies a New Arsenate Reductase Enzyme Critical for Limiting Arsenic Accumulation in Plants. <i>PLoS Biology</i> , 2014, 12, e1002009.	5.6	227
26	Variation in Sulfur and Selenium Accumulation Is Controlled by Naturally Occurring Isoforms of the Key Sulfur Assimilation Enzyme ADENOSINE 5- $\hat{\epsilon}^2$ -PHOSPHOSULFATE REDUCTASE2 across the <i>Arabidopsis</i> Species Range $\hat{\text{A}} \hat{\text{A}}$ . <i>Plant Physiology</i> , 2014, 166, 1593-1608.	4.8	64
27	Polyploids Exhibit Higher Potassium Uptake and Salinity Tolerance in <i>Arabidopsis</i> . <i>Science</i> , 2013, 341, 658-659.	12.6	298
28	Sterols and sphingolipids differentially function in trafficking of the <i>Arabidopsis</i> ABCB19 auxin transporter. <i>Plant Journal</i> , 2013, 74, 37-47.	5.7	61
29	Genome-Wide Association Studies Identify Heavy Metal ATPase3 as the Primary Determinant of Natural Variation in Leaf Cadmium in <i>Arabidopsis thaliana</i> . <i>PLoS Genetics</i> , 2012, 8, e1002923.	3.5	224
30	Rice Carotenoid $\hat{2}$ -Ring Hydroxylase CYP97A4 is Involved in Lutein Biosynthesis. <i>Plant and Cell Physiology</i> , 2012, 53, 987-1002.	3.1	58
31	Biodiversity of Mineral Nutrient and Trace Element Accumulation in <i>Arabidopsis thaliana</i> . <i>PLoS ONE</i> , 2012, 7, e35121.	2.5	82
32	Sphingolipids in the Root Play an Important Role in Regulating the Leaf Ionome in <i>Arabidopsis thaliana</i> . <i>Plant Cell</i> , 2011, 23, 1061-1081.	6.6	111
33	The <i>glossyhead1</i> Allele of <i>ACC1</i> Reveals a Principal Role for Multidomain Acetyl-Coenzyme A Carboxylase in the Biosynthesis of Cuticular Waxes by <i>Arabidopsis</i> . <i>Plant Physiology</i> , 2011, 157, 1079-1092.	4.8	62
34	Bulk Segregant Analysis Using Single Nucleotide Polymorphism Microarrays. <i>PLoS ONE</i> , 2011, 6, e15993.	2.5	33
35	A previously unknown zinc finger protein, DST, regulates drought and salt tolerance in rice via stomatal aperture control. <i>Genes and Development</i> , 2009, 23, 1805-1817.	5.9	504
36	OsHAL3 mediates a new pathway in the light-regulated growth of rice. <i>Nature Cell Biology</i> , 2009, 11, 845-851.	10.3	39

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37	Toward Understanding Molecular Mechanisms of Abiotic Stress Responses in Rice. <i>Rice</i> , 2008, 1, 36-51.	4.0	39
38	Overexpression of the trehalose-6-phosphate phosphatase gene OsTPP1 confers stress tolerance in rice and results in the activation of stress responsive genes. <i>Planta</i> , 2008, 228, 191-201.	3.2	239
39	Understanding Abiotic Stress Tolerance Mechanisms: Recent Studies on Stress Response in Rice. <i>Journal of Integrative Plant Biology</i> , 2007, 49, 742-750.	8.5	172
40	A rice quantitative trait locus for salt tolerance encodes a sodium transporter. <i>Nature Genetics</i> , 2005, 37, 1141-1146.	21.4	1,229
41	Salt-responsive genes in rice revealed by cDNA microarray analysis. <i>Cell Research</i> , 2005, 15, 796-810.	12.0	113
42	QTLs for Na <sup>+</sup> and K <sup>+</sup> uptake of the shoots and roots controlling rice salt tolerance. <i>Theoretical and Applied Genetics</i> , 2004, 108, 253-260.	3.6	459