Cuimin Liu

List of Publications by Year in descending order

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19 papers	1,592 citations	759233 12 h-index	794594 19 g-index
21 all docs	21 docs citations	21 times ranked	2398 citing authors

#	Article	IF	Citations
1	Engineering of the cytosolic form of phosphoglucose isomerase into chloroplasts improves plant photosynthesis and biomass. New Phytologist, 2021, 231, 315-325.	7.3	12
2	The cryo-EM structure of the chloroplast ClpP complex. Nature Plants, 2021, 7, 1505-1515.	9.3	5
3	A rare gain of function mutation in a wheat tandem kinase confers resistance to powdery mildew. Nature Communications, 2020, 11, 680.	12.8	119
4	Heteroâ€oligomeric CPN60 resembles highly symmetric groupâ€I chaperonin structure revealed by Cryoâ€EM. Plant Journal, 2019, 98, 798-812.	5.7	15
5	Efficient DNA-free genome editing of bread wheat using CRISPR/Cas9 ribonucleoprotein complexes. Nature Communications, 2017, 8, 14261.	12.8	751
6	A Novel N-Methyltransferase in Arabidopsis Appears to Feed a Conserved Pathway for Nicotinate Detoxification among Land Plants and Is Associated with Lignin Biosynthesis. Plant Physiology, 2017, 174, 1492-1504.	4.8	29
7	Two Novel Vesicle-Inducing Proteins in Plastids 1 Genes Cloned and Characterized in Triticum urartu. PLoS ONE, 2017, 12, e0170439.	2.5	8
8	Chloroplast Chaperonin: An Intricate Protein Folding Machine for Photosynthesis. Frontiers in Molecular Biosciences, 2017, 4, 98.	3.5	44
9	Structural insight into the cooperation of chloroplast chaperonin subunits. BMC Biology, 2016, 14, 29.	3.8	21
10	UBIQUITIN-SPECIFIC PROTEASE 14 interacts with ULTRAVIOLET-B INSENSITIVE 4 to regulate endoreduplication and cell and organ growth in Arabidopsis. Plant Cell, 2016, 28, tpc.00007.2016.	6.6	35
11	Functional Partition of Cpn60Î± and Cpn60Î² Subunits in Substrate Recognition and Cooperation with Co-chaperonins. Molecular Plant, 2016, 9, 1210-1213.	8.3	8
12	Asymmetric functional interaction between chaperonin and its plastidic cofactors. FEBS Journal, 2015, 282, 3959-3970.	4.7	13
13	Structural Analysis of the Rubisco-Assembly Chaperone RbcX-II from Chlamydomonas reinhardtii. PLoS ONE, 2015, 10, e0135448.	2.5	13
14	Protomer Roles in Chloroplast Chaperonin Assembly and Function. Molecular Plant, 2015, 8, 1478-1492.	8.3	33
15	Î±-Helical Domains Affecting the Oligomerization of Vipp1 and Its Interaction with Hsp70/DnaK in Chlamydomonas. Biochemistry, 2015, 54, 4877-4889.	2.5	20
16	Concerted evolution of D1 and D2 to regulate chlorophyll degradation in soybean. Plant Journal, 2014, 77, 700-712.	5.7	69
17	Coupled chaperone action in folding and assembly of hexadecameric Rubisco. Nature, 2010, 463, 197-202.	27.8	165
18	The chloroplast HSP70B-CDJ2-CGE1 chaperones catalyse assembly and disassembly of VIPP1 oligomers in Chlamydomonas. Plant Journal, 2007, 50, 265-277.	5.7	116

#	Article	IF	Citations
19	J-Domain Protein CDJ2 and HSP70B Are a Plastidic Chaperone Pair That Interacts with Vesicle-Inducing Protein in Plastids 1. Molecular Biology of the Cell, 2005, 16, 1165-1177.	2.1	115