

Cuimin Liu

List of Publications by Year in descending order

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Version: 2024-02-01

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	Efficient DNA-free genome editing of bread wheat using CRISPR/Cas9 ribonucleoprotein complexes. <i>Nature Communications</i> , 2017, 8, 14261.	12.8	751
2	Coupled chaperone action in folding and assembly of hexadecameric Rubisco. <i>Nature</i> , 2010, 463, 197-202.	27.8	165
3	A rare gain of function mutation in a wheat tandem kinase confers resistance to powdery mildew. <i>Nature Communications</i> , 2020, 11, 680.	12.8	119
4	The chloroplast HSP70B-CDJ2-CGE1 chaperones catalyse assembly and disassembly of VIPP1 oligomers in <i>Chlamydomonas</i> . <i>Plant Journal</i> , 2007, 50, 265-277.	5.7	116
5	J-Domain Protein CDJ2 and HSP70B Are a Plastidic Chaperone Pair That Interacts with Vesicle-Inducing Protein in Plastids 1. <i>Molecular Biology of the Cell</i> , 2005, 16, 1165-1177.	2.1	115
6	Concerted evolution of <i>CDJ1</i> and <i>CDJ2</i> to regulate chlorophyll degradation in soybean. <i>Plant Journal</i> , 2014, 77, 700-712.	5.7	69
7	Chloroplast Chaperonin: An Intricate Protein Folding Machine for Photosynthesis. <i>Frontiers in Molecular Biosciences</i> , 2017, 4, 98.	3.5	44
8	UBIQUITIN-SPECIFIC PROTEASE 14 interacts with ULTRAVIOLET-B INSENSITIVE 4 to regulate endoreduplication and cell and organ growth in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2016, 28, tpc.00007.2016.	6.6	35
9	Protomer Roles in Chloroplast Chaperonin Assembly and Function. <i>Molecular Plant</i> , 2015, 8, 1478-1492.	8.3	33
10	A Novel N-Methyltransferase in <i>Arabidopsis</i> Appears to Feed a Conserved Pathway for Nicotinate Detoxification among Land Plants and Is Associated with Lignin Biosynthesis. <i>Plant Physiology</i> , 2017, 174, 1492-1504.	4.8	29
11	Structural insight into the cooperation of chloroplast chaperonin subunits. <i>BMC Biology</i> , 2016, 14, 29.	3.8	21
12	Î±-Helical Domains Affecting the Oligomerization of Vipp1 and Its Interaction with Hsp70/DnaK in <i>Chlamydomonas</i> . <i>Biochemistry</i> , 2015, 54, 4877-4889.	2.5	20
13	Hetero-oligomeric CPN60 resembles highly symmetric group-Î± chaperonin structure revealed by Cryo-EM. <i>Plant Journal</i> , 2019, 98, 798-812.	5.7	15
14	Asymmetric functional interaction between chaperonin and its plastidic cofactors. <i>FEBS Journal</i> , 2015, 282, 3959-3970.	4.7	13
15	Structural Analysis of the Rubisco-Assembly Chaperone RbcX-II from <i>Chlamydomonas reinhardtii</i> . <i>PLoS ONE</i> , 2015, 10, e0135448.	2.5	13
16	Engineering of the cytosolic form of phosphoglucose isomerase into chloroplasts improves plant photosynthesis and biomass. <i>New Phytologist</i> , 2021, 231, 315-325.	7.3	12
17	Functional Partition of Cpn60 ^{Î±} and Cpn60 ^{Î²} Subunits in Substrate Recognition and Cooperation with Co-chaperonins. <i>Molecular Plant</i> , 2016, 9, 1210-1213.	8.3	8
18	Two Novel Vesicle-Inducing Proteins in Plastids 1 Genes Cloned and Characterized in <i>Triticum urartu</i> . <i>PLoS ONE</i> , 2017, 12, e0170439.	2.5	8

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19	The cryo-EM structure of the chloroplast ClpP complex. Nature Plants, 2021, 7, 1505-1515.	9.3	5