

Hsou-min Li

List of Publications by Year in descending order

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papers

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citations

147566

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168136

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57
all docs

57
docs citations

57
times ranked

2661
citing authors

#	ARTICLE	IF	CITATIONS
1	An Arabidopsis Mutant Defective in the Plastid General Protein Import Apparatus. , 1998, 282, 100-103.		301
2	Protein Transport into Chloroplasts. Annual Review of Plant Biology, 2010, 61, 157-180.	8.6	255
3	Arabidopsis Stromal 70-kD Heat Shock Proteins Are Essential for Plant Development and Important for Thermotolerance of Germinating Seeds. Plant Physiology, 2008, 146, 1231-1241.	2.3	242
4	Tic40, a membrane-anchored co-chaperone homolog in the chloroplast protein translocon. EMBO Journal, 2003, 22, 2970-2980.	3.5	174
5	Stromal Hsp70 Is Important for Protein Translocation into Pea and Arabidopsis Chloroplasts. Plant Cell, 2010, 22, 1516-1531.	3.1	168
6	Tic21 Is an Essential Translocon Component for Protein Translocation across the Chloroplast Inner Envelope Membrane. Plant Cell, 2006, 18, 2247-2257.	3.1	160
7	A Copper Chaperone for Superoxide Dismutase That Confers Three Types of Copper/Zinc Superoxide Dismutase Activity in Arabidopsis. Plant Physiology, 2005, 139, 425-436.	2.3	147
8	Crystal structure of pea Toc34, a novel GTPase of the chloroplast protein translocon. Nature Structural Biology, 2002, 9, 95-100.	9.7	110
9	Stimulation of transit-peptide release and ATP hydrolysis by a cochaperone during protein import into chloroplasts. Journal of Cell Biology, 2006, 175, 893-900.	2.3	107
10	Signal Peptide-Dependent Targeting of a Rice α -Amylase and Cargo Proteins to Plastids and Extracellular Compartments of Plant Cells. Plant Physiology, 2004, 135, 1367-1377.	2.3	104
11	Import Pathways of Chloroplast Interior Proteins and the Outer-Membrane Protein OEP14 Converge at Toc75. Plant Cell, 2004, 16, 2078-2088.	3.1	104
12	Molecular cloning of a chloroplastic protein associated with both the envelope and thylakoid membranes. Plant Molecular Biology, 1994, 25, 619-632.	2.0	96
13	Arabidopsis CHL12 Can Substitute for CHL11. Plant Physiology, 2009, 150, 636-645.	2.3	83
14	Chapter 15 In Vitro Reconstitution of Protein Transport into Chloroplasts. Methods in Cell Biology, 1991, 34, 327-344.	0.5	73
15	Transit peptide design and plastid import regulation. Trends in Plant Science, 2013, 18, 360-366.	4.3	71
16	CUE1: A Mesophyll Cell-Specific Positive Regulator of Light-Controlled Gene Expression in Arabidopsis. Plant Cell, 1995, 7, 1599.	3.1	68
17	A mutant deficient in the plastid lipid DGD is defective in protein import into chloroplasts. Plant Journal, 1998, 16, 33-39.	2.8	66
18	Differential Age-Dependent Import Regulation by Signal Peptides. PLoS Biology, 2012, 10, e1001416.	2.6	60

#	ARTICLE	IF	CITATIONS
19	TIC236 links the outer and inner membrane translocons of the chloroplast. <i>Nature</i> , 2018, 564, 125-129.	13.7	59
20	Precursor binding to an 880-kDa Toc complex as an early step during active import of protein into chloroplasts. <i>Plant Journal</i> , 2006, 49, 149-158.	2.8	56
21	Reduced Biosynthesis of Digalactosyldiacylglycerol, a Major Chloroplast Membrane Lipid, Leads to Oxylin Overproduction and Phloem Cap Lignification in Arabidopsis. <i>Plant Cell</i> , 2016, 28, 219-232.	3.1	56
22	Characterization of Arabidopsis Glutamine Phosphoribosyl Pyrophosphate Amidotransferase-Deficient Mutants. <i>Plant Physiology</i> , 2004, 135, 1314-1323.	2.3	53
23	A Novel Chloroplastic Outer Membrane-targeting Signal That Functions at Both Termini of Passenger Polypeptides. <i>Journal of Biological Chemistry</i> , 1997, 272, 10968-10974.	1.6	50
24	Chloroplast Protein Translocon Components atToc159 and atToc33 Are Not Essential for Chloroplast Biogenesis in Guard Cells and Root Cells. <i>Plant Physiology</i> , 2001, 127, 90-96.	2.3	48
25	Dimerization Is Important for the GTPase Activity of Chloroplast Translocon Components atToc33 and psToc159. <i>Journal of Biological Chemistry</i> , 2007, 282, 13845-13853.	1.6	45
26	Insertion of OEP14 into the Outer Envelope Membrane Is Mediated by Proteinaceous Components of Chloroplasts. <i>Plant Cell</i> , 2000, 12, 1951-1959.	3.1	43
27	Chloroplast Galactolipids: The Link Between Photosynthesis, Chloroplast Shape, Jasmonates, Phosphate Starvation and Freezing Tolerance. <i>Plant and Cell Physiology</i> , 2018, 59, 1128-1134.	1.5	42
28	Tic40 is important for reinsertion of proteins from the chloroplast stroma into the inner membrane. <i>Plant Journal</i> , 2008, 56, 793-801.	2.8	39
29	Chloroplast Hsp93 Directly Binds to Transit Peptides at an Early Stage of the Preprotein Import Process. <i>Plant Physiology</i> , 2016, 170, 857-866.	2.3	39
30	Insertion of atToc34 into the Chloroplastic Outer Membrane Is Assisted by at Least Two Proteinaceous Components in the Import System. <i>Journal of Biological Chemistry</i> , 1999, 274, 18735-18740.	1.6	38
31	Stable megadalton <scp>TOC</scp>â€œ<scp>TIC</scp> supercomplexes as major mediators of protein import into chloroplasts. <i>Plant Journal</i> , 2017, 92, 178-188.	2.8	38
32	Targeting of Proteins to the Outer Envelope Membrane Uses a Different Pathway than Transport into Chloroplasts. <i>Plant Cell</i> , 1991, 3, 709.	3.1	36
33	Leaf-Specific Upregulation of Chloroplast Translocon Genes by a CCT Motifâ€œContaining Protein, CIA 2. <i>Plant Cell</i> , 2001, 13, 2053-2061.	3.1	36
34	Regulation of gene expression by light. <i>Current Opinion in Cell Biology</i> , 1993, 5, 455-460.	2.6	31
35	Evolution of Chloroplast J Proteins. <i>PLoS ONE</i> , 2013, 8, e70384.	1.1	31
36	Polypeptide Transport-Associated Domains of the Toc75 Channel Protein Are Located in the Intermembrane Space of Chloroplasts. <i>Plant Physiology</i> , 2016, 172, 235-243.	2.3	30

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37	Increased ratio of galactolipid MGDG:DGDG induces jasmonic acid overproduction and changes chloroplast shape. <i>New Phytologist</i> , 2020, 228, 1327-1335.	3.5	30
38	Structural characterizations of the chloroplast translocon protein Tic110. <i>Plant Journal</i> , 2013, 75, 847-857.	2.8	29
39	Tissue-Specific Regulation of Plastid Protein Import via Transit-Peptide Motifs. <i>Plant Cell</i> , 2020, 32, 1204-1217.	3.1	28
40	Pea Chloroplast DnaJ8 and Toc12 Are Encoded by the Same Gene and Localized in the Stroma. <i>Plant Physiology</i> , 2010, 154, 1172-1182.	2.3	25
41	Targeting of proteins into chloroplasts. <i>Physiologia Plantarum</i> , 1995, 93, 157-162.	2.6	23
42	Developmental regulation of protein import into plastids. <i>Photosynthesis Research</i> , 2018, 138, 327-334.	1.6	23
43	Toc GTPases. <i>Journal of Biomedical Science</i> , 2007, 14, 505-508.	2.6	22
44	The Amino-Terminal Domain of Chloroplast Hsp93 Is Important for Its Membrane Association and Functions in Vivo. <i>Plant Physiology</i> , 2012, 158, 1656-1665.	2.3	22
45	Protein Import Motors in Chloroplasts: On the Role of Chaperones. <i>Plant Cell</i> , 2020, 32, 536-542.	3.1	21
46	Determining the Location of an Arabidopsis Chloroplast Protein Using In Vitro Import Followed by Fractionation and Alkaline Extraction. <i>Methods in Molecular Biology</i> , 2011, 774, 339-350.	0.4	19
47	Protein import into isolated pea root leucoplasts. <i>Frontiers in Plant Science</i> , 2015, 6, 690.	1.7	15
48	Protein Targeting and Integration Signal for the Chloroplastic Outer Envelope Membrane. <i>Plant Cell</i> , 1996, 8, 2117.	3.1	13
49	TIC236 gain-of-function mutations unveil the link between plastid division and plastid protein import. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2123353119.	3.3	8
50	Chloroplast Preproteins Bind to the Dimer Interface of the Toc159 Receptor during Import. <i>Plant Physiology</i> , 2017, 173, 2148-2162.	2.3	7
51	Chapter 31 Molecular Methods for Isolation of Signal Transduction Pathway Mutants. <i>Methods in Cell Biology</i> , 1995, 49, 441-454.	0.5	3
52	A CHLORAD way to turn red. <i>Nature Plants</i> , 2021, 7, 550-551.	4.7	3
53	Insertion of OEP14 into the Outer Envelope Membrane Is Mediated by Proteinaceous Components of Chloroplasts. <i>Plant Cell</i> , 2000, 12, 1951.	3.1	1
54	Chloroplast import of an intermembrane space protein is facilitated by translocon components Toc75 and Tic236. <i>Plant Direct</i> , 2021, 5, e356.	0.8	1

#	ARTICLE	IF	CITATIONS
55	Structural characterizations of chloroplast translocon protein Tic110. Acta Crystallographica Section A: Foundations and Advances, 2013, 69, s312-s312.	0.3	0
56	Protein Targeting to the Chloroplast Outer Membrane. , 1998, , 3069-3073.		0