

# Zhenfeng Liu

## List of Publications by Year in descending order

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Version: 2024-02-01

36  
papers

4,302  
citations

331259

21  
h-index

377514

34  
g-index

43  
all docs

43  
docs citations

43  
times ranked

3763  
citing authors

#	ARTICLE	IF	CITATIONS
1	Crystal structure of spinach major light-harvesting complex at 2.72Å resolution. <i>Nature</i> , 2004, 428, 287-292.	13.7	1,589
2	Molecular basis of photoprotection and control of photosynthetic light-harvesting. <i>Nature</i> , 2005, 436, 134-137.	13.7	569
3	Structure of spinach photosystem II-LHCII supercomplex at 3.2Å resolution. <i>Nature</i> , 2016, 534, 69-74.	13.7	469
4	Structure and assembly mechanism of plant C <sub>2</sub> S <sub>2</sub> M <sub>2</sub> -type PSII-LHCII supercomplex. <i>Science</i> , 2017, 357, 815-820.	6.0	291
5	Structure of the maize photosystem I supercomplex with light-harvesting complexes I and II. <i>Science</i> , 2018, 360, 1109-1113.	6.0	159
6	Antenna arrangement and energy transfer pathways of a green algal photosystem-I-LHCI supercomplex. <i>Nature Plants</i> , 2019, 5, 273-281.	4.7	127
7	Crystal structures of the PsbS protein essential for photoprotection in plants. <i>Nature Structural and Molecular Biology</i> , 2015, 22, 729-735.	3.6	125
8	Structural insight into light harvesting for photosystem II in green algae. <i>Nature Plants</i> , 2019, 5, 1320-1330.	4.7	112
9	Structure of a tetrameric MscL in an expanded intermediate state. <i>Nature</i> , 2009, 461, 120-124.	13.7	105
10	Architecture and function of plant light-harvesting complexes II. <i>Current Opinion in Structural Biology</i> , 2013, 23, 515-525.	2.6	77
11	Structural analysis and comparison of light-harvesting complexes I and II. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2020, 1861, 148038.	0.5	66
12	Two lutein molecules in LHCII have different conformations and functions: Insights into the molecular mechanism of thermal dissipation in plants. <i>Biochemical and Biophysical Research Communications</i> , 2007, 355, 457-463.	1.0	62
13	Structure and mechanism of an intramembrane liponucleotide synthetase central for phospholipid biosynthesis. <i>Nature Communications</i> , 2014, 5, 4244.	5.8	51
14	Structural basis for energy and electron transfer of the photosystem I-flavodoxin supercomplex. <i>Nature Plants</i> , 2020, 6, 167-176.	4.7	48
15	Structure, assembly and energy transfer of plant photosystem II supercomplex. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2018, 1859, 633-644.	0.5	46
16	Structural basis of LhcbM5-mediated state transitions in green algae. <i>Nature Plants</i> , 2021, 7, 1119-1131.	4.7	43
17	Mechanical coupling of the multiple structural elements of the large-conductance mechanosensitive channel during expansion. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 10726-10731.	3.3	41
18	Pore architecture of TRIC channels and insights into their gating mechanism. <i>Nature</i> , 2016, 538, 537-541.	13.7	41

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19	Structural Mechanism Underlying the Specific Recognition between the Arabidopsis State-Transition Phosphatase TAP38/PPH1 and Phosphorylated Light-Harvesting Complex Protein Lhcb1. <i>Plant Cell</i> , 2015, 27, 1113-1127.	3.1	33
20	Structural roles of lipid molecules in the assembly of plant PSII~LHCII supercomplex. <i>Biophysics Reports</i> , 2018, 4, 189-203.	0.2	26
21	From membrane tension to channel gating: A principal energy transfer mechanism for mechanosensitive channels. <i>Protein Science</i> , 2016, 25, 1954-1964.	3.1	25
22	Thermodynamics of voltage-gated ion channels. <i>Biophysics Reports</i> , 2018, 4, 300-319.	0.2	22
23	Phospholipid translocation captured in a bifunctional membrane protein MprF. <i>Nature Communications</i> , 2021, 12, 2927.	5.8	21
24	TMEM120A contains a specific coenzyme A-binding site and might not mediate poking- or stretch-induced channel activities in cells. <i>ELife</i> , 2021, 10, .	2.8	20
25	Supramolecular assembly of chloroplast NADH dehydrogenase-like complex with photosystem I from <i>Arabidopsis thaliana</i> . <i>Molecular Plant</i> , 2022, 15, 454-467.	3.9	19
26	Structural Insights into Substrate Selectivity, Catalytic Mechanism, and Redox Regulation of Rice Photosystem II Core Phosphatase. <i>Molecular Plant</i> , 2019, 12, 86-98.	3.9	18
27	Structures of the Mitochondrial CDP-DAG Synthase Tam41 Suggest a Potential Lipid Substrate Pathway from Membrane to the Active Site. <i>Structure</i> , 2019, 27, 1258-1269.e4.	1.6	15
28	Assembly of eukaryotic photosystem II with diverse light-harvesting antennas. <i>Current Opinion in Structural Biology</i> , 2020, 63, 49-57.	2.6	14
29	Structure of the catalytic domain of a state transition kinase homolog from <i>Micromonas</i> algae. <i>Protein and Cell</i> , 2013, 4, 607-619.	4.8	11
30	Cryo-electron microscopy structure of CLHM1 ion channel from <i>Caenorhabditis elegans</i> . <i>Protein Science</i> , 2020, 29, 1803-1815.	3.1	11
31	Plant and Algal PSII~LHCII Supercomplexes: Structure, Evolution and Energy Transfer. <i>Plant and Cell Physiology</i> , 2021, 62, 1108-1120.	1.5	11
32	The phosphatidylglycerol phosphate synthase PgsA utilizes a trifurcated amphipathic cavity for catalysis at the membrane-cytosol interface. <i>Current Research in Structural Biology</i> , 2021, 3, 312-323.	1.1	11
33	A reported archaeal mechanosensitive channel is a structural homolog of Mar~like transcriptional regulators. <i>Protein Science</i> , 2010, 19, 808-814.	3.1	7
34	Ion- and water-binding sites inside an occluded hourglass pore of a trimeric intracellular cation (TRIC) channel. <i>BMC Biology</i> , 2017, 15, 31.	1.7	4
35	Three-Dimensional Structure of Spinach Major Light-Harvesting Complex. <i>Nihon Kessho Gakkaishi</i> , 2004, 46, 19-19.	0.0	0
36	Crystallization Methods of Membrane Proteins: Practical Aspects of Crystallizing Plant Light-Harvesting Complexes. <i>Advances in Photosynthesis and Respiration</i> , 2008, , 77-96.	1.0	0