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## Structural insights into photosystem II assembly

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#	Paper	IF	Citations
75	OJIP chlorophyll fluorescence induction profiles and plastoquinone binding affinity of the Photosystem II assembly intermediate PSII-I from <i>Thermosynechococcus elongatus</i> .		0
74	Probing the biogenesis pathway and dynamics of thylakoid membranes. <i>Nature Communications</i> , <b>2021</b> , 12, 3475	17.4	12
73	Structural insights into cyanobacterial photosystem II intermediates associated with Psb28 and Tsl0063. <i>Nature Plants</i> , <b>2021</b> , 7, 1132-1142	11.5	7
72	Small Proteins; Big Questions. <i>Journal of Bacteriology</i> , <b>2021</b> , JB0034121	3.5	5
71	The PsbJ protein is required for photosystem II activity in centers lacking the PsbO and PsbV luminal subunits. <i>Photosynthesis Research</i> , <b>2021</b> , 1	3.7	1
70	Protein Assembly by Design. <i>Chemical Reviews</i> , <b>2021</b> , 121, 13701-13796	68.1	16
69	Properties of Photosystem II lacking the PsbJ subunit.		
68	Properties of Photosystem II lacking the PsbJ subunit. <i>Photosynthesis Research</i> , <b>2021</b> , 1	3.7	0
67	Tandem gene amplification restores photosystem II accumulation in cytochrome b mutants of cyanobacteria. <i>New Phytologist</i> , <b>2021</b> ,	9.8	0
66	Rare-Earth Elements Can Structurally and Energetically Replace the Calcium in a Synthetic MnCaO-Cluster Mimicking the Oxygen-Evolving Center in Photosynthesis. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 17360-17365	16.4	5
65	A Practical Guide to Small Protein Discovery and Characterization using Mass Spectrometry. <i>Journal of Bacteriology</i> , <b>2021</b> , JB0035321	3.5	2
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62	Effects of Stromal and Luminal Side Perturbations on the Redox Potential of the Primary Quinone Electron Acceptor Q in Photosystem II. <i>Biochemistry</i> , <b>2021</b> , 60, 3697-3706	3.2	1
61	Structure of a monomeric photosystem II core complex from a cyanobacterium acclimated to far-red light reveals the functions of chlorophylls d and f. <i>Journal of Biological Chemistry</i> , <b>2021</b> , 101424	5.4	6
60	Location of two Mn affinity sites in photosystem II detected by pulsed electron-electron double resonance. <i>Photosynthesis Research</i> , <b>2021</b> , 1	3.7	0
59	An amino residue that guides the correct photoassembly the water-oxidation complex but not required for high affinity Mn <sup>2+</sup> binding.		1

58	Psb27, a photosystem II assembly protein, enables quenching of excess light energy during its participation in the PSII lifecycle.. <i>Photosynthesis Research</i> , <b>2022</b> , 1	3.7	1
57	PsbX maintains efficient electron transport in Photosystem II and reduces susceptibility to high light in <i>Synechocystis</i> sp. PCC 6803. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , <b>2021</b> , 1863, 148519	4.6	0
56	Molecular Photocatalytic Water Splitting by Mimicking Photosystems I and II.. <i>Journal of the American Chemical Society</i> , <b>2022</b> ,	16.4	5
55	Synthesizing Mechanism of the Mn <sub>4</sub> Ca-cluster Mimicking the Oxygen-Evolving Center in Photosynthesis.. <i>ChemSusChem</i> , <b>2022</b> ,	8.3	0
54	Redox properties and regulatory mechanism of the iron-quinone electron acceptor in photosystem II as revealed by FTIR spectroelectrochemistry.. <i>Photosynthesis Research</i> , <b>2022</b> , 1	3.7	1
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46	Psb34 protein modulates binding of high-light-inducible proteins to CP47-containing photosystem II assembly intermediates in the cyanobacterium <i>Synechocystis</i> sp. PCC 6803.. <i>Photosynthesis Research</i> , <b>2022</b> , 1	3.7	2
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41	Why Did Nature Choose Manganese over Cobalt to Make Oxygen Photosynthetically on the Earth?. <i>Journal of Physical Chemistry B</i> , <b>2022</b> ,	3.4	0

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39	Effects of mutations of D1-R323, D1-N322, D1-D319, D1-H304 on the functioning of photosystem II in <i>Thermosynechococcus vulcanus</i> .. <i>Photosynthesis Research</i> , <b>2022</b> , 1	3.7	1
38	Gene Co-expression Network and Regression Analysis Identify the Transcriptomic, Physiological, and Biochemical Indicators of the Response of Alpine Woody Plant <i>Rhododendron rex</i> to Drought Stress. <i>Frontiers in Plant Science</i> , <b>2022</b> , 13,	6.2	
37	Gene expression and organization of thylakoid protein complexes in the PSII-less mutant of <i>Synechocystis</i> sp. PCC 6803. <i>Plant Direct</i> , <b>2022</b> , 6,	3.3	
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28	Macromolecular conformational changes in photosystem II: interaction between structure and function. <i>Biophysical Reviews</i> ,	3.7	0
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- 17    Plant microProteins: Small but powerful modulators of plant development. **2022**, 25, 105400 ○
- 16    Electron-Transfer Route in the Early Oxidation States of the Mn<sub>4</sub>CaO<sub>5</sub> Cluster in Photosystem II. ○
- 15    Structure of a dimeric photosystem II complex from a cyanobacterium acclimated to far-red light. **2022**, 102815 ○
- 14    Light-induced reversible reorganizations in closed Type II reaction centre complexes: physiological roles and physical mechanisms. **2022**, 12, ○
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- 11    Absolute quantification of cellular levels of photosynthesis-related proteins in Synechocystis sp. PCC 6803. ○
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