Wenda Wang

List of Publications by Year
in descending order

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35	1,239	390418	368585
papers	citations	18 h-index	33 g-index

41	41	41	1398
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Structural basis for blue-green light harvesting and energy dissipation in diatoms. Science, 2019, 363, .	19.8	186
2	The pigment-protein network of a diatom photosystem IIâ€“light-harvesting antenna supercomplex. Science, 2019, 365, .	19.8	145
3	Structure of a green algal photosystem I in complex with a large number of light-harvesting complex I subunits. Nature Plants, 2019, 5, 263-272.	9.3	109
4	Structure of a C ₂ S ₂ M ₂ N ₂ -type PSIIâ€“LHCII supercomplex from the green alga Chlamydomonas reinhardtii. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 21246-21255.	7.5	107
5	Structure of photosystem I-LHCI-LHCII from the green alga Chlamydomonas reinhardtii in State 2. Nature Communications, 2021, 12, 1100.	13.0	69
6	Structural basis for energy transfer in a huge diatom PSI-FCPI supercomplex. Nature Communications, 2020, 11, 5081.	13.0	64
7	Architecture of the photosynthetic complex from a green sulfur bacterium. Science, 2020, 370, .	19.8	63
8	Structural insights into a dimeric Psb27-photosystem II complex from a cyanobacterium Thermosynechococcus vulcanus. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.5	53
9	Spectral and functional studies on siphonaxanthin-type light-harvesting complex of photosystem II from Bryopsis corticulans. Photosynthesis Research, 2013, 117, 267-279.	2.9	44
10	Structural insights into cyanobacterial photosystem II intermediates associated with Psb28 and Tsl0063. Nature Plants, 2021, 7, 1132-1142.	9.3	42
11	Antenna arrangement and energy-transfer pathways of PSIâ€“LHCI from the moss Physcomitrella patens. Cell Discovery, 2021, 7, 10.	6.9	41
12	Architecture of the chloroplast PSIâ€“NDH supercomplex in Hordeum vulgare. Nature, 2022, 601, 649-654.	35.8	37
13	Biochemical and structural study ofArabidopsishexokinase 1. Acta Crystallographica Section D: Biological Crystallography, 2015, 71, 367-375.	2.4	35
14	Structure of plant photosystem Iâ^'light harvesting complex I supercomplex at 2.4â€‰Ã… resolution. Journal of Integrative Plant Biology, 2021, 63, 1367-1381.	9.1	32
15	Isolation and characterization of PSIâ€“LHCI super-complex and their sub-complexes from a red alga Cyanidioschyzon merolae. Photosynthesis Research, 2017, 133, 201-214.	2.9	27
16	A unique photosystem I reaction center from a chlorophyll dâ€‘containing cyanobacterium Acaryochloris marina. Journal of Integrative Plant Biology, 2021, 63, 1740-1752.	9.1	27
17	Isolation and characterization of a PSIâ€“LHCI super-complex and its sub-complexes from a siphonaceous marine green alga, Bryopsis Corticulans. Photosynthesis Research, 2015, 123, 61-76.	2.9	20
18	Isolation and Characteristics of the PSIâ€ŁHCIâ€ŁHCII Supercomplex Under High Light. Photochemistry and Photobiology, 2011, 87, 143-150.	2.6	11

#	Article	IF	Citations
19	Role of PsbV-Tyr137 in photosystem II studied by site-directed mutagenesis in the thermophilic cyanobacterium Thermosynechococcus vulcanus. Photosynthesis Research, 2020, 146, 41-54.	2.9	11
20	Spectral tuning of light-harvesting complex II in the siphonous alga Bryopsis corticulans and its effect on energy transfer dynamics. Biochimica Et Biophysica Acta - Bioenergetics, 2020, 1861, 148191.	1.6	10
21	Function of PsbO-Asp158 in photosystem II: effects of mutation of this residue on the binding of PsbO and function of PSII in Thermosynechococcus vulcanus. Photosynthesis Research, 2020, 146, 29-40.	2.9	10
22	Structural insights into photosystem II supercomplex and trimeric FCP antennae of a centric diatom Cyclotella meneghiniana. Nature Communications, 2023, 14, .	13.0	10
23	Regulation of photosystem I-light-harvesting complex I from a red alga Cyanidioschyzon merolae in response to light intensities. Photosynthesis Research, 2020, 146, 287-297.	2.9	9
24	Structural insights into a unique PSIâ€“LHCIâ€“LHCIIâ€“Lhcb9 supercomplex from moss Physcomitrium patens. Nature Plants, 2023, 9, 832-846.	9.3	8
25	Photoelectrochemical Complexes of Fucoxanthinâ€Chlorophyll Protein for Bioâ€Photovoltaic Conversion with a High Openâ€Circuit Photovoltage. Chemistry - an Asian Journal, 2017, 12, 2996-2999.	3.5	7
26	Excitation dynamics and relaxation in the major antenna of a marine green alga Bryopsis corticulans. Biochimica Et Biophysica Acta - Bioenergetics, 2020, 1861, 148186.	1.6	6
27	A stable â€˜sandwichâ€™ system of Surfaceâ€Enhanced Resonance Raman Scattering for the analysis of Î²â€carotenes in a photosynthetic pigmentâ€protein complex. Journal of Raman Spectroscopy, 2013, 44, 1111-1119.	2.5	5
28	An Exciton Dynamics Model of Bryopsis corticulans Light-Harvesting Complex II. Journal of Physical Chemistry B, 2021, 125, 1134-1143.	2.7	4
29	Effects of mutations of D1-R323, D1-N322, D1-D319, D1-H304 on the functioning of photosystem II in Thermosynechococcus vulcanus. Photosynthesis Research, 2022, 152, 193-206.	2.9	3
30	Structural elucidation of vascular plant photosystem I and its functional implications. Functional Plant Biology, 2021, , .	3.1	2
31	Advances and perspectives in several areas of photosynthesis research. Scientia Sinica Vitae, 2021, 51, 1376-1384.	0.3	1
32	Structure and distinct supramolecular organization of a PSII-ACPII dimer from a cryptophyte alga Chroomonas placoidea. Nature Communications, 2024, 15, .	13.0	1
33	Structure, Organization and Function of Light-Harvesting Complexes Associated with Photosystem II. Advances in Photosynthesis and Respiration, 2021, , 163-194.	0.0	0
34	Singlet Oxygen Formation and Scavenging in Cytochromeb₆fComplex from Spinach. Sheng Wu Wu Li Hsueh Bao, 2012, 28, 848.	0.0	0
35	Exogenous Arachidonic Acid Affects Fucoxanthin Biosynthesis and Photoprotection in Phaeodactylum tricornutum. Marine Drugs, 2022, 20, 644.	4.5	0