

# Tanai Cardona

## List of Publications by Year in descending order

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Version: 2024-02-01

30  
papers

2,137  
citations

331259

21  
h-index

454577

30  
g-index

39  
all docs

39  
docs citations

39  
times ranked

2424  
citing authors

#	ARTICLE	IF	CITATIONS
1	Charge separation in Photosystem II: A comparative and evolutionary overview. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2012, 1817, 26-43.	0.5	293
2	Photochemistry beyond the red limit in chlorophyll <i>f</i> -containing photosystems. <i>Science</i> , 2018, 360, 1210-1213.	6.0	216
3	Photoelectrochemical Water Oxidation with Photosystem II Integrated in a Mesoporous Indium-Tin Oxide Electrode. <i>Journal of the American Chemical Society</i> , 2012, 134, 8332-8335.	6.6	199
4	On the origin of oxygenic photosynthesis and Cyanobacteria. <i>New Phytologist</i> , 2020, 225, 1440-1446.	3.5	132
5	Quantitative Shotgun Proteomics of Enriched Heterocysts from <i>Nostoc</i> sp. PCC 7120 Using 8-Plex Isobaric Peptide Tags. <i>Journal of Proteome Research</i> , 2008, 7, 1615-1628.	1.8	115
6	Covalent Immobilization of Oriented Photosystem II on a Nanostructured Electrode for Solar Water Oxidation. <i>Journal of the American Chemical Society</i> , 2013, 135, 10610-10613.	6.6	112
7	A fresh look at the evolution and diversification of photochemical reaction centers. <i>Photosynthesis Research</i> , 2015, 126, 111-134.	1.6	104
8	Origin and Evolution of Water Oxidation before the Last Common Ancestor of the Cyanobacteria. <i>Molecular Biology and Evolution</i> , 2015, 32, 1310-1328.	3.5	96
9	Early Archean origin of Photosystem II. <i>Geobiology</i> , 2019, 17, 127-150.	1.1	95
10	Enhancing photosynthesis in plants: the light reactions. <i>Essays in Biochemistry</i> , 2018, 62, 85-94.	2.1	90
11	Evolutionary Implications of Anoxygenic Phototrophy in the Bacterial Phylum Candidatus Eremiobacterota (WPS-2). <i>Frontiers in Microbiology</i> , 2019, 10, 1658.	1.5	88
12	Quantitative Overview of N <sub>2</sub> Fixation in <i>Nostoc punctiforme</i> ATCC 29133 through Cellular Enrichments and iTRAQ Shotgun Proteomics. <i>Journal of Proteome Research</i> , 2009, 8, 187-198.	1.8	64
13	Reconstructing the Origin of Oxygenic Photosynthesis: Do Assembly and Photoactivation Recapitulate Evolution?. <i>Frontiers in Plant Science</i> , 2016, 7, 257.	1.7	59
14	Thinking twice about the evolution of photosynthesis. <i>Open Biology</i> , 2019, 9, 180246.	1.5	49
15	Electron transfer protein complexes in the thylakoid membranes of heterocysts from the cyanobacterium <i>Nostoc punctiforme</i> . <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2009, 1787, 252-263.	0.5	46
16	Time-resolved comparative molecular evolution of oxygenic photosynthesis. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2021, 1862, 148400.	0.5	44
17	Thylakoid membrane function in heterocysts. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2016, 1857, 309-319.	0.5	41
18	Global distribution of a chlorophyll <i>f</i> cyanobacterial marker. <i>ISME Journal</i> , 2020, 14, 2275-2287.	4.4	41

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19	Evolution of Photochemical Reaction Centres: More Twists?. Trends in Plant Science, 2019, 24, 1008-1021.	4.3	40
20	Early Archean origin of heterodimeric Photosystem I. Heliyon, 2018, 4, e00548.	1.4	35
21	Photosystem II is a Chimera of Reaction Centers. Journal of Molecular Evolution, 2017, 84, 149-151.	0.8	23
22	Photosynthetic Constraints on Fuel from Microbes. Frontiers in Bioengineering and Biotechnology, 2015, 3, 36.	2.0	22
23	Early emergence of the FtsH proteases involved in photosystem II repair. Photosynthetica, 2018, 56, 163-177.	0.9	22
24	Recent advances in the structural diversity of reaction centers. Photosynthesis Research, 2021, 149, 329-343.	1.6	22
25	Origin of Bacteriochlorophyll a and the Early Diversification of Photosynthesis. PLoS ONE, 2016, 11, e0151250.	1.1	16
26	Isolation and characterization of thylakoid membranes from the filamentous cyanobacterium Nostoc punctiforme. Physiologia Plantarum, 2007, 131, 622-634.	2.6	15
27	Excitation energy transfer to Photosystem I in filaments and heterocysts of Nostoc punctiforme. Biochimica Et Biophysica Acta - Bioenergetics, 2010, 1797, 425-433.	0.5	14
28	Molecular Evolution of Far-Red Light-Acclimated Photosystem II. Microorganisms, 2022, 10, 1270.	1.6	13
29	Complete Genome Sequencing of a Novel <i>Gloeobacter</i> Species from a Waterfall Cave in Mexico. Genome Biology and Evolution, 2021, 13, .	1.1	9
30	Isolation of Intact Thylakoid Membranes from Heterocysts of Filamentous, Nitrogen-Fixing Cyanobacteria. Methods in Molecular Biology, 2018, 1696, 137-145.	0.4	1