Sujith Puthiyaveetil

List of Publications by Year
in descending order

35 papers	1,323 citations	361413 20 h-index	414414 32 g-index
36 all docs	36 docs citations	36 times ranked	1559 citing authors

#	Article	IF	Citations
1	A structural phylogenetic map for chloroplast photosynthesis. Trends in Plant Science, 2011, 16, 645-655.	8.8	218
2	The ancestral symbiont sensor kinase CSK links photosynthesis with gene expression in chloroplasts. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 10061-10066.	7.1	146
3	Tethering of ferredoxin:NADP⁺ oxidoreductase to thylakoid membranes is mediated by novel chloroplast protein TROL. Plant Journal, 2009, 60, 783-794.	5.7	89
4	Compartmentalization of the protein repair machinery in photosynthetic membranes. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 15839-15844.	7.1	74
5	Oxidationâ€“reduction signalling components in regulatory pathways of state transitions and photosystem stoichiometry adjustment in chloroplasts. Plant, Cell and Environment, 2012, 35, 347-359.	5.7	70
6	Surface charge dynamics in photosynthetic membranes and the structural consequences. Nature Plants, 2017, 3, 17020.	9.3	68
7	The structural and functional domains of plant thylakoid membranes. Plant Journal, 2019, 97, 412-429.	5.7	66
8	Transcriptional Control of Photosynthesis Genes: The Evolutionarily Conserved Regulatory Mechanism in Plastid Genome Function. Genome Biology and Evolution, 2010, 2, 888-896.	2.5	57
9	Plastocyanin is the long-range electron carrier between photosystem II and photosystem I in plants. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 15354-15362.	7.1	57
10	Functional Implications of Photosystem II Crystal Formation in Photosynthetic Membranes. Journal of Biological Chemistry, 2015, 290, 14091-14106.	3.4	45
11	Chloroplast two-component systems: evolution of the link between photosynthesis and gene expression. Proceedings of the Royal Society B: Biological Sciences, 2009, 276, 2133-2145.	2.6	43
12	Energy transduction anchors genes in organelles. BioEssays, 2005, 27, 426-435.	2.5	42
13	Significance of the Photosystem II Core Phosphatase PBCP for Plant Viability and Protein Repair in Thylakoid Membranes. Plant and Cell Physiology, 2014, 55, 1245-1254.	3.1	40
14	A Two-Component Regulatory System in Transcriptional Control of Photosystem Stoichiometry: Redox-Dependent and Sodium Ion-Dependent Phosphoryl Transfer from Cyanobacterial Histidine Kinase Hik2 to Response Regulators Rre1 and RppA. Frontiers in Plant Science, 2016, 7, 137.	3.6	37
15	Discrete Redox Signaling Pathways Regulate Photosynthetic Light-Harvesting and Chloroplast Gene Transcription. PLoS ONE, 2011, 6, e26372.	2.5	32
16	A mechanism for regulation of chloroplast LHC II kinase by plastoquinol and thioredoxin. FEBS Letters, 2011, 585, 1717-1721.	2.8	31
17	Evolutionary rewiring: a modified prokaryotic gene-regulatory pathway in chloroplasts. Philosophical Transactions of the Royal Society B: Biological Sciences, 2013, 368, 20120260.	4.0	31
18	An evolutionarily conserved iron-sulfur cluster underlies redox sensory function of the Chloroplast Sensor Kinase. Communications Biology, 2020, 3, 13.	4.4	28

#	Article	IF	Citations
19	Sublocalization of Cytochrome b6f Complexes in Photosynthetic Membranes. Trends in Plant Science, 2017, 22, 574-582.	8.8	26
20	Stoichiometry of protein complexes in plant photosynthetic membranes. Biochimica Et Biophysica Acta - Bioenergetics, 2020, 1861, 148141.	1.0	24
21	Transients in chloroplast gene transcription. Biochemical and Biophysical Research Communications, 2008, 368, 871-874.	2.1	19
22	Sigma factor 1 in chloroplast gene transcription and photosynthetic light acclimation. Journal of Experimental Botany, 2020, 71, 1029-1038.	4.8	18
23	A phosphorylation map of the photosystem II supercomplex C2S2M2. Frontiers in Plant Science, 2013, 4, 459.	3.6	14
24	Transcription initiation as a control point in plastid gene expression. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2021, 1864, 194689.	1.9	12
25	Probing the nucleotide-binding activity of a redox sensor: two-component regulatory control in chloroplasts. Photosynthesis Research, 2016, 130, 93-101.	2.9	7
26	Oligomeric states in sodium ion-dependent regulation of cyanobacterial histidine kinase-2. Protoplasma, 2018, 255, 937-952.	2.1	5
27	Regulation of Phaeodactylum plastid gene transcription by redox, light, and circadian signals. Photosynthesis Research, 2021, 147, 317-328.	2.9	4
28	Redox Switches and Evolutionary Transitions. , 2008, , 1155-1160.		4
29	A Bacterial-Type Sensor Kinase Couples Electron Transport to Gene Expression in Chloroplasts. , 2008, , 1181-1186.		4
30	Photosystem stoichiometry adjustment is a photoreceptor-mediated process in Arabidopsis. Scientific Reports, 2022, 12, .	3.3	4
31	Structureâ€based control of the rate limitation of photosynthetic electron transport. FEBS Letters, 2019, 593, 2103-2111.	2.8	3
32	Reply to: Is the debate over grana stacking formation finally solved?. Nature Plants, 2021, 7, 279-281.	9.3	2
33	Thiol redox switches regulate the oligomeric state of cyanobacterial Rre1, RpaA, and RpaB response regulators. FEBS Letters, 2022, , .	2.8	2
34	C1/3 Chloroplast sensor kinase â€" The redox messenger of organelle gene expression. Biochimica Et Biophysica Acta - Bioenergetics, 2008, 1777, S108-S109.	1.0	1
35	Structure-Based Change in the Rate-Limiting Step of Photosynthetic Electron Transport. Biophysical Journal, 2019, 116, 154a.	0.5	0