Roman KouÅil

List of Publications by Year
in descending order

50 papers	3,160 citations	236925 25 h-index	206112 48 g-index
54 all docs	54 docs citations	54 times ranked	3000 citing authors

#	Article	IF	Citations
1	A kaleidoscope of photosynthetic antenna proteins and their emerging roles. Plant Physiology, 2022, 189, 1204-1219.	4.8	14
2	Revealing the architecture of the photosynthetic apparatus in the diatom <i>Thalassiosira pseudonana</i>. Plant Physiology, 2021, 186, 2124-2136.	4.8	17
3	Lipid Polymorphism of the Subchloroplastâ€”Granum and Stroma Thylakoid Membraneâ€“Particles. II. Structure and Functions. Cells, 2021, 10, 2363.	4.1	5
4	Towards spruce-type photosystem II: consequences of the loss of light-harvesting proteins LHCB3 and LHCB6 in Arabidopsis. Plant Physiology, 2021, 187, 2691-2715.	4.8	10
5	Unique organization of photosystem II supercomplexes and megacomplexes in Norway spruce. Plant Journal, 2020, 104, 215-225.	5.7	11
6	PSI of the Colonial Alga Botryococcus braunii Has an Unusually Large Antenna Size. Plant Physiology, 2020, 184, 2040-2051.	4.8	5
7	Organization of Plant Photosystem II and Photosystem I Supercomplexes. Sub-Cellular Biochemistry, 2018, 87, 259-286.	2.4	12
8	Molecular Mechanisms of Photoadaptation of Photosystem I Supercomplex from an Evolutionary Cyanobacterial/Algal Intermediate. Plant Physiology, 2018, 176, 1433-1451.	4.8	35
9	A LHCB9-dependent photosystem I megacomplex induced under low light in Physcomitrella patens. Nature Plants, 2018, 4, 910-919.	9.3	32
10	Subunit and chlorophyll organization of the plant photosystem II supercomplex. Nature Plants, 2017, 3, 17080.	9.3	115
11	Alternative electron transport mediated by flavodiiron proteins is operational in organisms from cyanobacteria up to gymnosperms. New Phytologist, 2017, 214, 967-972.	7.3	124
12	Supercomplexes of plant photosystem I with cytochrome b6f, light-harvesting complex II and NDH. Biochimica Et Biophysica Acta - Bioenergetics, 2017, 1858, 12-20.	1.0	83
13	Structural variability of plant photosystem II megacomplexes in thylakoid membranes. Plant Journal, 2017, 89, 104-111.	5.7	40
14	Evolutionary loss of lightâ€harvesting proteins Lhcb6 and Lhcb3 in major land plant groups â€“ breakâ€up of current dogma. New Phytologist, 2016, 210, 808-814.	7.3	40
15	Light-induced gradual activation of photosystem II in dark-grown Norway spruce seedlings. Biochimica Et Biophysica Acta - Bioenergetics, 2016, 1857, 799-809.	1.0	10
16	Structural characterization of a plant photosystem <scp>I</scp> and <scp>NAD(P)H</scp> dehydrogenase supercomplex. Plant Journal, 2014, 77, 568-576.	5.7	83
17	During State 1 to State 2 Transition in Arabidopsis thaliana, the Photosystem II Supercomplex Gets Phosphorylated but Does Not Disassemble. Journal of Biological Chemistry, 2013, 288, 32821-32826.	3.4	64
18	High-light vs. low-light: Effect of light acclimation on photosystem II composition and organization in Arabidopsis thaliana. Biochimica Et Biophysica Acta - Bioenergetics, 2013, 1827, 411-419.	1.0	204

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19	Supramolecular organization of photosystem II in green plants. Biochimica Et Biophysica Acta - Bioenergetics, 2012, 1817, 2-12.	1.0	173
20	Photosystem I of Chlamydomonas reinhardtii Contains Nine Light-harvesting Complexes (Lhca) Located on One Side of the Core. Journal of Biological Chemistry, 2011, 286, 44878-44887.	3.4	104
21	Efficient Light Harvesting in a Dark, Hot, Acidic Environment: The Structure and Function of PSI-LHCI from Galdieria sulphuraria. Biophysical Journal, 2011, 100, 135-143.	0.5	40
22	A Novel Photosynthetic Strategy for Adaptation to Low-Iron Aquatic Environments. Biochemistry, 2011, 50, 686-692.	2.5	56
23	Fine structure of granal thylakoid membrane organization using cryo electron tomography. Biochimica Et Biophysica Acta - Bioenergetics, 2011, 1807, 368-374.	1.0	72
24	<i>Arabidopsis</i> Mutants Deleted in the Light-Harvesting Protein Lhcb4 Have a Disrupted Photosystem II Macrostructure and Are Defective in Photoprotection. Plant Cell, 2011, 23, 2659-2679.	6.6	141
25	Structure and function of mitochondrial supercomplexes. Biochimica Et Biophysica Acta - Bioenergetics, 2010, 1797, 664-670.	1.0	177
26	The PsbS protein controls the macroâ€organisation of photosystem II complexes in the grana membranes of higher plant chloroplasts. FEBS Letters, 2010, 584, 759-764.	2.8	101
27	Imaging of organelles by electron microscopy reveals proteinâ€“protein interactions in mitochondria and chloroplasts. FEBS Letters, 2010, 584, 2510-2515.	2.8	26
28	Chapter 10 Purification of the Cytochrome c Reductase/Cytochrome c Oxidase Super Complex of Yeast Mitochondria. Methods in Enzymology, 2009, 456, 183-190.	1.0	7
29	Megacomplex organization of the oxidative phosphorylation system by structural analysis of respiratory supercomplexes from potato. Biochimica Et Biophysica Acta - Bioenergetics, 2009, 1787, 60-67.	1.0	117
30	Single particle electron microscopy. Photosynthesis Research, 2009, 102, 189-196.	2.9	25
31	Functional architecture of higher plant photosystem II supercomplexes. EMBO Journal, 2009, 28, 3052-3063.	7.8	385
32	Association of chlorophyll a/c2 complexes to photosystem I and photosystem II in the cryptophyte Rhodomonas CS24. Biochimica Et Biophysica Acta - Bioenergetics, 2008, 1777, 1122-1128.	1.0	22
33	A Structural Model of the Cytochrome c Reductase/Oxidase Supercomplex from Yeast Mitochondria. Journal of Biological Chemistry, 2007, 282, 12240-12248.	3.4	145
34	Origin of Chlorophyll Fluorescence in Plants at 55-75Â°CÂ¶. Photochemistry and Photobiology, 2007, 77, 68-76.	2.5	2
35	Association of Photosystem I and Light-Harvesting Complex II during State Transitions. , 2006, , 41-46.		2
36	Structural Characterization of a Complex of Photosystem I and Light-Harvesting Complex II ofArabidopsis thalianaâ€. Biochemistry, 2005, 44, 10935-10940.	2.5	170

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37	Photosystem I: a search for green plant trimers. Photochemical and Photobiological Sciences, 2005, 4, 1091.	2.9	27
38	Single particle electron microscopy in combination with mass spectrometry to investigate novel complexes of membrane proteins. Journal of Structural Biology, 2005, 149, 325-331.	2.8	17
39	Structure and functional role of supercomplexes of IsiA and Photosystem I in cyanobacterial photosynthesis. FEBS Letters, 2005, 579, 3253-3257.	2.8	77
40	Supercomplexes of IsiA and Photosystem I in a mutant lacking subunit PsaL. Biochimica Et Biophysica Acta - Bioenergetics, 2005, 1706, 262-266.	1.0	23
41	High-Temperature Induced Chlorophyll Fluorescence Rise in Plants at 40â€“50 Â°C: Experimental and Theoretical Approach. Photosynthesis Research, 2004, 81, 49-66.	2.9	62
42	Supramolecular Organization and Dual Function of the IsiA Chlorophyll-Binding Protein in Cyanobacteriaâ€. Biochemistry, 2004, 43, 10308-10313.	2.5	147
43	Moderately Elevated Temperature Eliminates Resistance of Rice Plants with Enhanced Expression of Glutathione Reductase to Intensive Photooxidative Stress. Photosynthetica, 2003, 41, 571-578.	1.7	24
44	Photosystem I trimers from Synechocystis PCC 6803 lacking the PsaF and PsaJ subunits bind an IsiA ring of 17 units. Biochimica Et Biophysica Acta - Bioenergetics, 2003, 1607, 1-4.	1.0	27
45	Origin of Chlorophyll Fluorescence in Plants at 55â€“75Â°CÂ¶. Photochemistry and Photobiology, 2003, 77, 68.	2.5	20
46	Mechanical Wounding Caused by Inoculation Influences the Photosynthetic Response of Nicotiana benthamiana Plants to Plum Pox Potyvirus. Photosynthetica, 2002, 40, 269-277.	1.7	7
47	Chlorophyll fluorescence temperature curve on Klebsormidium flaccidum cultivated at different temperature regimes. Journal of Plant Physiology, 2001, 158, 1131-1136.	3.5	12
48	Spectral characterization of chlorophyll fluorescence in barley leaves during linear heating. Journal of Photochemistry and Photobiology B: Biology, 2000, 59, 103-114.	3.8	24
49	Title is missing!. Photosynthesis Research, 1999, 62, 107-116.	2.9	24
50	Contributory presentations/posters. Journal of Biosciences, 1999, 24, 33-198.	1.1	0