

Roman Kouřil

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1538349/publications.pdf>

Version: 2024-02-01

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	Functional architecture of higher plant photosystem II supercomplexes. <i>EMBO Journal</i> , 2009, 28, 3052-3063.	7.8	385
2	High-light vs. low-light: Effect of light acclimation on photosystem II composition and organization in <i>Arabidopsis thaliana</i> . <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2013, 1827, 411-419.	1.0	204
3	Structure and function of mitochondrial supercomplexes. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2010, 1797, 664-670.	1.0	177
4	Supramolecular organization of photosystem II in green plants. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2012, 1817, 2-12.	1.0	173
5	Structural Characterization of a Complex of Photosystem I and Light-Harvesting Complex II of <i>Arabidopsis thaliana</i> . <i>Biochemistry</i> , 2005, 44, 10935-10940.	2.5	170
6	Supramolecular Organization and Dual Function of the IsiA Chlorophyll-Binding Protein in Cyanobacteria. <i>Biochemistry</i> , 2004, 43, 10308-10313.	2.5	147
7	A Structural Model of the Cytochrome c Reductase/Oxidase Supercomplex from Yeast Mitochondria. <i>Journal of Biological Chemistry</i> , 2007, 282, 12240-12248.	3.4	145
8	<i>Arabidopsis</i> Mutants Deleted in the Light-Harvesting Protein Lhcb4 Have a Disrupted Photosystem II Macrostructure and Are Defective in Photoprotection. <i>Plant Cell</i> , 2011, 23, 2659-2679.	6.6	141
9	Alternative electron transport mediated by flavodiiron proteins is operational in organisms from cyanobacteria up to gymnosperms. <i>New Phytologist</i> , 2017, 214, 967-972.	7.3	124
10	Megacomplex organization of the oxidative phosphorylation system by structural analysis of respiratory supercomplexes from potato. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2009, 1787, 60-67.	1.0	117
11	Subunit and chlorophyll organization of the plant photosystem II supercomplex. <i>Nature Plants</i> , 2017, 3, 17080.	9.3	115
12	Photosystem I of <i>Chlamydomonas reinhardtii</i> Contains Nine Light-harvesting Complexes (Lhca) Located on One Side of the Core. <i>Journal of Biological Chemistry</i> , 2011, 286, 44878-44887.	3.4	104
13	The PsbS protein controls the macroorganisation of photosystem II complexes in the grana membranes of higher plant chloroplasts. <i>FEBS Letters</i> , 2010, 584, 759-764.	2.8	101
14	Structural characterization of a plant photosystem I and NAD(P)H dehydrogenase supercomplex. <i>Plant Journal</i> , 2014, 77, 568-576.	5.7	83
15	Supercomplexes of plant photosystem I with cytochrome b6f, light-harvesting complex II and NDH. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2017, 1858, 12-20.	1.0	83
16	Structure and functional role of supercomplexes of IsiA and Photosystem I in cyanobacterial photosynthesis. <i>FEBS Letters</i> , 2005, 579, 3253-3257.	2.8	77
17	Fine structure of granal thylakoid membrane organization using cryo electron tomography. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2011, 1807, 368-374.	1.0	72
18	During State 1 to State 2 Transition in <i>Arabidopsis thaliana</i> , the Photosystem II Supercomplex Gets Phosphorylated but Does Not Disassemble. <i>Journal of Biological Chemistry</i> , 2013, 288, 32821-32826.	3.4	64

#	ARTICLE	IF	CITATIONS
19	High-Temperature Induced Chlorophyll Fluorescence Rise in Plants at 40–50 °C: Experimental and Theoretical Approach. <i>Photosynthesis Research</i> , 2004, 81, 49-66.	2.9	62
20	A Novel Photosynthetic Strategy for Adaptation to Low-Iron Aquatic Environments. <i>Biochemistry</i> , 2011, 50, 686-692.	2.5	56
21	Efficient Light Harvesting in a Dark, Hot, Acidic Environment: The Structure and Function of PSI-LHCI from <i>Galdieria sulphuraria</i> . <i>Biophysical Journal</i> , 2011, 100, 135-143.	0.5	40
22	Evolutionary loss of light-harvesting proteins Lhcb6 and Lhcb3 in major land plant groups – break-up of current dogma. <i>New Phytologist</i> , 2016, 210, 808-814.	7.3	40
23	Structural variability of plant photosystem II megacomplexes in thylakoid membranes. <i>Plant Journal</i> , 2017, 89, 104-111.	5.7	40
24	Molecular Mechanisms of Photoadaptation of Photosystem I Supercomplex from an Evolutionary Cyanobacterial/Algal Intermediate. <i>Plant Physiology</i> , 2018, 176, 1433-1451.	4.8	35
25	A LHCB9-dependent photosystem I megacomplex induced under low light in <i>Physcomitrella patens</i> . <i>Nature Plants</i> , 2018, 4, 910-919.	9.3	32
26	Photosystem I trimers from <i>Synechocystis</i> PCC 6803 lacking the PsaF and PsaJ subunits bind an IsiA ring of 17 units. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2003, 1607, 1-4.	1.0	27
27	Photosystem I: a search for green plant trimers. <i>Photochemical and Photobiological Sciences</i> , 2005, 4, 1091.	2.9	27
28	Imaging of organelles by electron microscopy reveals protein–protein interactions in mitochondria and chloroplasts. <i>FEBS Letters</i> , 2010, 584, 2510-2515.	2.8	26
29	Single particle electron microscopy. <i>Photosynthesis Research</i> , 2009, 102, 189-196.	2.9	25
30	Title is missing!. <i>Photosynthesis Research</i> , 1999, 62, 107-116.	2.9	24
31	Spectral characterization of chlorophyll fluorescence in barley leaves during linear heating. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2000, 59, 103-114.	3.8	24
32	Moderately Elevated Temperature Eliminates Resistance of Rice Plants with Enhanced Expression of Glutathione Reductase to Intensive Photooxidative Stress. <i>Photosynthetica</i> , 2003, 41, 571-578.	1.7	24
33	Supercomplexes of IsiA and Photosystem I in a mutant lacking subunit PsaL. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2005, 1706, 262-266.	1.0	23
34	Association of chlorophyll a/c2 complexes to photosystem I and photosystem II in the cryptophyte <i>Rhodomonas</i> CS24. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2008, 1777, 1122-1128.	1.0	22
35	Origin of Chlorophyll Fluorescence in Plants at 55–75 °C. <i>Photochemistry and Photobiology</i> , 2003, 77, 68.	2.5	20
36	Single particle electron microscopy in combination with mass spectrometry to investigate novel complexes of membrane proteins. <i>Journal of Structural Biology</i> , 2005, 149, 325-331.	2.8	17

#	ARTICLE	IF	CITATIONS
37	Revealing the architecture of the photosynthetic apparatus in the diatom <i>Thalassiosira pseudonana</i> . <i>Plant Physiology</i> , 2021, 186, 2124-2136.	4.8	17
38	A kaleidoscope of photosynthetic antenna proteins and their emerging roles. <i>Plant Physiology</i> , 2022, 189, 1204-1219.	4.8	14
39	Chlorophyll fluorescence temperature curve on <i>Klebsormidium flaccidum</i> cultivated at different temperature regimes. <i>Journal of Plant Physiology</i> , 2001, 158, 1131-1136.	3.5	12
40	Organization of Plant Photosystem II and Photosystem I Supercomplexes. <i>Sub-Cellular Biochemistry</i> , 2018, 87, 259-286.	2.4	12
41	Unique organization of photosystem II supercomplexes and megacomplexes in Norway spruce. <i>Plant Journal</i> , 2020, 104, 215-225.	5.7	11
42	Light-induced gradual activation of photosystem II in dark-grown Norway spruce seedlings. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2016, 1857, 799-809.	1.0	10
43	Towards spruce-type photosystem II: consequences of the loss of light-harvesting proteins LHCB3 and LHCB6 in <i>Arabidopsis</i> . <i>Plant Physiology</i> , 2021, 187, 2691-2715.	4.8	10
44	Mechanical Wounding Caused by Inoculation Influences the Photosynthetic Response of <i>Nicotiana benthamiana</i> Plants to Plum Pox Potyvirus. <i>Photosynthetica</i> , 2002, 40, 269-277.	1.7	7
45	Chapter 10 Purification of the Cytochrome c Reductase/Cytochrome c Oxidase Super Complex of Yeast Mitochondria. <i>Methods in Enzymology</i> , 2009, 456, 183-190.	1.0	7
46	Lipid Polymorphism of the Subchloroplast Granum and Stroma Thylakoid Membrane Particles. II. Structure and Functions. <i>Cells</i> , 2021, 10, 2363.	4.1	5
47	PSI of the Colonial Alga <i>Botryococcus braunii</i> Has an Unusually Large Antenna Size. <i>Plant Physiology</i> , 2020, 184, 2040-2051.	4.8	5
48	Origin of Chlorophyll Fluorescence in Plants at 55-75°C. <i>Photochemistry and Photobiology</i> , 2007, 77, 68-76.	2.5	2
49	Association of Photosystem I and Light-Harvesting Complex II during State Transitions. , 2006, , 41-46.		2
50	Contributory presentations/posters. <i>Journal of Biosciences</i> , 1999, 24, 33-198.	1.1	0