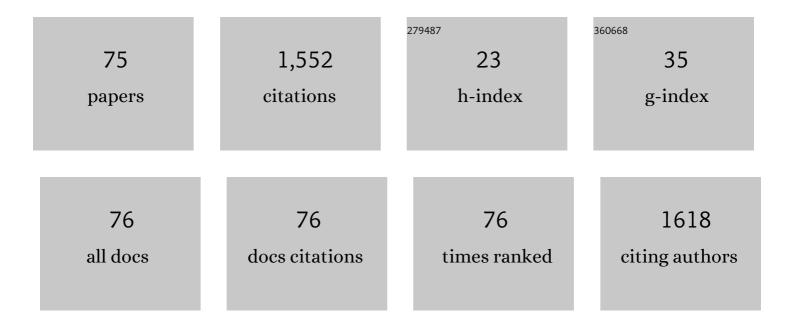
List of Publications by Year in descending order

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FDANTISER VACHA

#	Article	IF	CITATIONS
1	A new symbiotic lineage related to <i>Neisseria</i> and <i>Snodgrassella</i> arises from the dynamic and diverse microbiomes in sucking lice. Molecular Ecology, 2021, 30, 2178-2196.	2.0	16
2	Red-shifted light-harvesting system of freshwater eukaryotic alga Trachydiscus minutus (Eustigmatophyta, Stramenopila). Photosynthesis Research, 2019, 142, 137-151.	1.6	8
3	Energy transfer dynamics in a red-shifted violaxanthin-chlorophyll a light-harvesting complex. Biochimica Et Biophysica Acta - Bioenergetics, 2019, 1860, 111-120.	0.5	9
4	Red-light phenotype in a marine diatom involves a specialized oligomeric red-shifted antenna and altered cell morphology. Scientific Reports, 2017, 7, 11976.	1.6	31
5	Novel structural aspect of the diatom thylakoid membrane: lateral segregation of photosystem I under red-enhanced illumination. Scientific Reports, 2016, 6, 25583.	1.6	28
6	Prof. RNDr. DanuÅje SofrovÃj, CSc Photosynthetica, 2016, 54, 481-483.	0.9	0
7	Native FMO-reaction center supercomplex in green sulfur bacteria: an electron microscopy study. Photosynthesis Research, 2016, 128, 93-102.	1.6	19
8	Molecular basis of chromatic adaptation in pennate diatom Phaeodactylum tricornutum. Biochimica Et Biophysica Acta - Bioenergetics, 2015, 1847, 534-543.	0.5	50
9	Unraveling the nature of coherent beatings in chlorosomes. Journal of Chemical Physics, 2014, 140, 115103.	1.2	29
10	Novel type of red-shifted chlorophyll a antenna complex from Chromera velia: II. Biochemistry and spectroscopy. Biochimica Et Biophysica Acta - Bioenergetics, 2014, 1837, 802-810.	0.5	37
11	Bacteriochlorophyll Aggregates Self-Assembled on Functionalized Gold Nanorod Cores as Mimics of Photosynthetic Chlorosomal Antennae: A Single Molecule Study. ACS Nano, 2014, 8, 2176-2182.	7.3	17
12	2D Electronic Spectroscopy Reveals Excitonic Structure in the Baseplate of a Chlorosome. Journal of Physical Chemistry Letters, 2014, 5, 1743-1747.	2.1	25
13	Supramolecular organization of photosynthetic membrane proteins in the chlorosome-containing bacterium Chloroflexus aurantiacus. Photosynthesis Research, 2014, 122, 13-21.	1.6	8
14	Supramolecular organization of fucoxanthin–chlorophyll proteins in centric and pennate diatoms. Photosynthesis Research, 2014, 121, 79-86.	1.6	14
15	Highly efficient energy transfer from a carbonyl carotenoid to chlorophyll a in the main light harvesting complex of Chromera velia. Biochimica Et Biophysica Acta - Bioenergetics, 2014, 1837, 1748-1755.	0.5	18
16	Light harvesting complexes of Chromera velia, photosynthetic relative of apicomplexan parasites. Biochimica Et Biophysica Acta - Bioenergetics, 2013, 1827, 723-729.	0.5	29
17	Fast Exciton Dynamics and Coherent Oscillations Revealed by Coherent 2D Spectroscopy in Chlorosomes. EPJ Web of Conferences, 2013, 41, 08015.	0.1	0
18	Towards characterization of DNA structure under physiological conditions in vivo at the single-molecule level using single-pair FRET. Nucleic Acids Research, 2012, 40, e121-e121.	6.5	29

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19	Two-Dimensional Electronic Spectroscopy Reveals Ultrafast Energy Diffusion in Chlorosomes. Journal of the American Chemical Society, 2012, 134, 11611-11617.	6.6	101
20	Role of Carotenoids in Light-Harvesting Processes in an Antenna Protein from the Chromophyte <i>Xanthonema debile</i> . Journal of Physical Chemistry B, 2012, 116, 8880-8889.	1.2	21
21	Self-assembly and energy transfer in artificial light-harvesting complexes of bacteriochlorophyllÂc with astaxanthin. Photosynthesis Research, 2012, 111, 193-204.	1.6	9
22	Absorption Linear Dichroism Measured Directly on a Single Light-Harvesting System: The Role of Disorder in Chlorosomes of Green Photosynthetic Bacteria. Journal of the American Chemical Society, 2011, 133, 6703-6710.	6.6	53
23	Trolox, a Water-Soluble Analogue of α-Tocopherol, Photoprotects the Surface-Exposed Regions of the Photosystem II Reaction Center in Vitro. Is This Physiologically Relevant?. Biochemistry, 2011, 50, 8291-8301.	1.2	16
24	Structure of PSI, PSII and antennae complexes from yellow-green alga Xanthonema debile. Photosynthesis Research, 2011, 108, 25-32.	1.6	24
25	β-Carotene to bacteriochlorophyll c energy transfer in self-assembled aggregates mimicking chlorosomes. Chemical Physics, 2010, 373, 90-97.	0.9	26
26	The lamellar spacing in self-assembling bacteriochlorophyll aggregates is proportional to the length of the esterifying alcohol. Photosynthesis Research, 2010, 104, 211-219.	1.6	31
27	Absorbance changes accompanying the fast fluorescence induction in the purple bacterium Rhodobacter sphaeroides. Photosynthesis Research, 2010, 105, 115-121.	1.6	5
28	Localization of Pcb antenna complexes in the photosynthetic prokaryote Prochlorothrix hollandica. Biochimica Et Biophysica Acta - Bioenergetics, 2010, 1797, 89-97.	0.5	15
29	Toward the Crystallization of Photosystem II Core Complex from Pisum sativum L Crystal Growth and Design, 2010, 10, 3391-3396.	1.4	1
30	Carotenoids in Energy Transfer and Quenching Processes in Pcb and Pcbâ^'PS I Complexes from Prochlorothrix hollandica. Journal of Physical Chemistry B, 2010, 114, 9275-9282.	1.2	10
31	Excited state properties of aryl carotenoids. Physical Chemistry Chemical Physics, 2010, 12, 3112.	1.3	33
32	The effects of light-induced reduction of the photosystem II reaction center. Journal of Molecular Modeling, 2009, 15, 923-933.	0.8	9
33	Kinetics of inÂvivo bacteriochlorophyll fluorescence yield and the state of photosynthetic apparatus of purple bacteria. Photosynthesis Research, 2009, 99, 115-125.	1.6	15
34	Depth of focus extended microscope configuration for imaging of incorporated groups of molecules, DNA constructs and clusters inside bacterial cells. Optics Communications, 2009, 282, 2495-2501.	1.0	7
35	Effect of quinones on formation and properties of bacteriochlorophyll c aggregates. Photosynthesis Research, 2008, 95, 183-189.	1.6	19
36	Room temperature photooxidation of β-carotene and peripheral chlorophyll in photosystemÂll reaction centre. Photosynthesis Research, 2008, 98, 179-187.	1.6	4

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37	Lightâ€Emission Performance of Silicon Nanocrystals Deduced from Single Quantum Dot Spectroscopy. Advanced Functional Materials, 2008, 18, 2666-2672.	7.8	64
38	The Length of Esterifying Alcohol Affects the Aggregation Properties of Chlorosomal Bacteriochlorophylls. Photochemistry and Photobiology, 2008, 84, 1187-1194.	1.3	19
39	Super-resolution via iterative phase retrieval for blurred and saturated biological images. Optics Express, 2008, 16, 7894.	1.7	3
40	Reaction Center of Photosystem II with No Peripheral Pigments in D2 Allows Secondary Electron Transfer in D1. Biochemistry, 2007, 46, 15027-15032.	1.2	5
41	Organisation of Photosystem I and Photosystem II in red alga Cyanidium caldarium: Encounter of cyanobacterial and higher plant concepts. Biochimica Et Biophysica Acta - Bioenergetics, 2007, 1767, 725-731.	0.5	55
42	Spatial location of photosystem pigment–protein complexes in thylakoid membranes of chloroplasts of Pisum sativum studied by chlorophyll fluorescence. Journal of Luminescence, 2007, 122-123, 301-303.	1.5	17
43	New techniques for membrane protein crystallization tested on photosystem II core complex of PisumÂsativum. Photosynthesis Research, 2007, 90, 255-259.	1.6	14
44	Identification of Photosystem I and Photosystem II enriched regions of thylakoid membrane by optical microimaging of cryo-fluorescence emission spectra and of variable fluorescence. Micron, 2007, 38, 170-175.	1.1	15
45	New multichannel kinetic spectrophotometer–fluorimeter with pulsed measuring beam for photosynthesis research. Photosynthesis Research, 2006, 88, 351-356.	1.6	24
46	Three-dimensional reconstruction of anomalous chloroplasts in transgenic ipt tobacco. Planta, 2006, 223, 659-671.	1.6	18
47	Cyanobacterial Small Chlorophyll-binding Protein ScpD (HliB) Is Located on the Periphery of Photosystem II in the Vicinity of PsbH and CP47 Subunits. Journal of Biological Chemistry, 2006, 281, 32705-32713.	1.6	68
48	Microscopy and single molecule detection in photosynthesis. Micron, 2005, 36, 483-502.	1.1	19
49	Colloidal suspensions of silicon nanocrystals: from single nanocrystals to photonic structures. Optical Materials, 2005, 27, 1046-1049.	1.7	39
50	Pavel Siffel (1954-2003) or Life full of chlorophyll. Photosynthetica, 2005, 43, 323-328.	0.9	3
51	Force field development on pigments of photosystem 2 reaction centre. Photosynthetica, 2005, 43, 417-420.	0.9	10
52	Isolation and characterization of paracrystalline structures from transgenic Pssu-ipt tobacco. Photosynthetica, 2005, 43, 509-517.	0.9	4
53	Evidence for localisation of accumulated chlorophyll cation on the D1-accessory chlorophyll in the reaction centre of Photosystem II. Photosynthesis Research, 2005, 84, 297-302.	1.6	6
54	Localization of the PsbH subunit in photosystem II from the Synechocystis 6803 using the His-tagged Ni–NTA Nanogold labeling. Journal of Structural Biology, 2005, 152, 28-35.	1.3	19

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55	Conformational changes and their role in non-radiative energy dissipation in photosystem II reaction centres. Photochemical and Photobiological Sciences, 2005, 4, 999.	1.6	4
56	Antenna ring around trimeric Photosystem I in chlorophyll b containing cyanobacterium Prochlorothrix hollandica. Biochimica Et Biophysica Acta - Bioenergetics, 2005, 1708, 1-5.	0.5	27
57	Effect of Carotenoids and Monogalactosyl Diglyceride on Bacteriochlorophyll c Aggregates in Aqueous Buffer: Implications for the Self-assembly of Chlorosomes¶. Photochemistry and Photobiology, 2004, 80, 572.	1.3	20
58	Structural characterization of photosystem II complex from red alga Porphyridium cruentum retaining extrinsic subunits of the oxygen-evolving complex. FEBS Journal, 2004, 271, 2967-2975.	0.2	20
59	Interaction of Photosystem 2-LHC2 Supercomplexes in Adjacent Layers of Stacked Chloroplast Thylakoid Membranes. Photosynthetica, 2004, 42, 193-199.	0.9	11
60	Effect of Carotenoids and Monogalactosyl Diglyceride on Bacteriochlorophyll <i>c</i> Aggregates in Aqueous Buffer: Implications for the Selfâ€assembly of Chlorosomes [¶] . Photochemistry and Photobiology, 2004, 80, 572-578.	1.3	1
61	Effect of Carotenoids and Monogalactosyl Diglyceride on Bacteriochlorophyll c Aggregates in Aqueous Buffer: Implications for the Self-assembly of Chlorosomes¶. Photochemistry and Photobiology, 2004, 80, 572.	1.3	10
62	Electron microscopy in structural studies of Photosystem II. Photosynthesis Research, 2003, 77, 1-19.	1.6	25
63	Excitonic interactions in the reaction centre of photosystem II studied by using circular dichroism. Biochimica Et Biophysica Acta - Bioenergetics, 2002, 1554, 147-152.	0.5	20
64	Photosystem II reaction center with altered pigment-composition: reconstitution of a complex containing five chlorophyll a per two pheophytin a with modified chlorophylls. Biochimica Et Biophysica Acta - Bioenergetics, 2002, 1556, 21-28.	0.5	14
65	Effects of severe CO(2) starvation on the photosynthetic electron transport chain in tobacco plants. Photosynthesis Research, 2001, 68, 203-213.	1.6	20
66	Laser-induced hole filling in reaction center of photosystem II. Journal of Luminescence, 2000, 86, 407-413.	1.5	0
67	Low-temperature absorption off-resonant hole-burning spectroscopy of pheophytine a in photosystem Il reaction center. Journal of Luminescence, 2000, 87-89, 809-811.	1.5	4
68	Spectral characterization of chlorophyll fluorescence in barley leaves during linear heating. Journal of Photochemistry and Photobiology B: Biology, 2000, 59, 103-114.	1.7	24
69	Inner Structure of Intact Chloroplasts Observed by a Low Temperature Laser Scanning Microscope. Photosynthetica, 2000, 38, 493-496.	0.9	13
70	Hole-burning study of exciton migration and pigment–protein interaction in photosynthetic systems. Journal of Luminescence, 1999, 83-84, 357-360.	1.5	1
71	Aggregation of the Lightâ€Harvesting Complex in Intact Leaves of Tobacco Plants Stressed by CO ₂ Deficit. Photochemistry and Photobiology, 1998, 67, 304-311.	1.3	20
72	Aggregation of the Light-Harvesting Complex in Intact Leaves of Tobacco Plants Stressed by CO2 Deficit. Photochemistry and Photobiology, 1998, 67, 304.	1.3	10

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73	Spectroscopic characterization of a 5 Chl a photosystem II reaction center complex. Biochimica Et Biophysica Acta - Bioenergetics, 1997, 1318, 266-274.	0.5	26
74	Photochemistry and spectroscopy of a five-chlorophyll reaction center of photosystem II isolated by using a Cu affinity column Proceedings of the National Academy of Sciences of the United States of America, 1995, 92, 2929-2933.	3.3	103
75	Structure and function of photosynthetic systems studied by hole burning spectroscopy. Journal of Luminescence, 1991, 48-49, 295-298.	1.5	9