

Wieslaw Gruszecki

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ext. papers

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L-index

#	Paper	IF	Citations
169	Carotenoids as modulators of lipid membrane physical properties. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2005 , 1740, 108-15	6.9	291
168	Lutein and zeaxanthin as protectors of lipid membranes against oxidative damage: the structural aspects. <i>Archives of Biochemistry and Biophysics</i> , 1999 , 371, 301-7	4.1	245
167	Effects of polar carotenoids on dimyristoylphosphatidylcholine membranes: a spin-label study. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1992 , 1105, 97-108	3.8	116
166	Zeaxanthin (dihydroxy-beta-carotene) but not beta-carotene rigidifies lipid membranes: a 1H-NMR study of carotenoid-egg phosphatidylcholine liposomes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1996 , 1285, 167-74	3.8	115
165	The study of the quercetin action on human erythrocyte membranes. <i>Biochemical Pharmacology</i> , 2003 , 66, 605-12	6	110
164	HEAT- AND LIGHT-INDUCED CHLOROPHYLL a FLUORESCENCE CHANGES IN POTATO LEAVES CONTAINING HIGH OR LOW LEVELS OF THE CAROTENOID ZEAXANTHIN: INDICATIONS OF A REGULATORY EFFECT OF ZEAXANTHIN ON THYLAKOID MEMBRANE FLUIDITY. <i>Photochemistry and Photobiology</i> , 1993 , 58, 607-614	3.6	87
163	Orientation of xanthophylls in phosphatidylcholine multibilayers. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1990 , 1023, 405-12	3.8	85
162	Binding of antibiotic amphotericin B to lipid membranes: monomolecular layer technique and linear dichroism-FTIR studies. <i>Molecular Membrane Biology</i> , 2005 , 22, 433-42	3.4	66
161	Organisation of xanthophyll pigments lutein and zeaxanthin in lipid membranes formed with dipalmitoylphosphatidylcholine. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2000 , 1509, 255-63	3.8	63
160	FTIR, (1)H NMR and EPR spectroscopy studies on the interaction of flavone apigenin with dipalmitoylphosphatidylcholine liposomes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2013 , 1828, 518-27	3.8	62
159	Characteristics of quercetin interactions with liposomal and vacuolar membranes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2014 , 1838, 254-65	3.8	61
158	Molecular architecture of plant thylakoids under physiological and light stress conditions: a study of lipid-light-harvesting complex II model membranes. <i>Plant Cell</i> , 2013 , 25, 2155-70	11.6	60
157	Binding of antibiotic amphotericin B to lipid membranes: a 1H NMR study. <i>FEBS Letters</i> , 2006 , 580, 2677-38	3.8	57
156	Spectrophotometric analysis of organisation of dipalmitoylphosphatidylcholine bilayers containing the polyene antibiotic amphotericin B. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2001 , 1511, 90-8	3.8	57
155	Effect of beta-carotene on structural and dynamic properties of model phosphatidylcholine membranes. I. An EPR spin label study. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1994 , 1194, 138-42	3.8	57
154	Dimers of polyene antibiotic amphotericin B detected by means of fluorescence spectroscopy: molecular organization in solution and in lipid membranes. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2003 , 69, 49-57	6.7	55
153	Increased heat emission and its relationship to the xanthophyll cycle in pea leaves exposed to strong light stress. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 1991 , 8, 361-370	6.7	53

152	Spontaneous Organization of Amphotericin B in Aqueous Medium. <i>Journal of Colloid and Interface Science</i> , 1993 , 158, 71-76	9.3	52
151	Structural characterization of the aggregated forms of violaxanthin. <i>Journal of Biological Physics</i> , 1991 , 18, 99-109	1.6	51
150	Organization of antibiotic amphotericin B in model lipid membranes. A mini review. <i>Cellular and Molecular Biology Letters</i> , 2003 , 8, 161-70	8.1	49
149	Structural and functional modifications of the major light-harvesting complex II in cadmium- or copper-treated <i>Secale cereale</i> . <i>Plant and Cell Physiology</i> , 2010 , 51, 1330-40	4.9	47
148	Xanthophyll-induced aggregation of LHCII as a switch between light-harvesting and energy dissipation systems. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2006 , 1757, 1504-11	4.6	46
147	Xanthophyll pigments in light-harvesting complex II in monomolecular layers: localisation, energy transfer and orientation. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1999 , 1412, 173-83	4.6	45
146	Heat-induced and light-induced isomerization of the xanthophyll pigment zeaxanthin. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2005 , 80, 178-86	6.7	44
145	Raman studies of gluten proteins aggregation induced by dietary fibres. <i>Food Chemistry</i> , 2016 , 194, 86-98.5	8.5	43
144	Localization and interaction of genistein with model membranes formed with dipalmitoylphosphatidylcholine (DPPC). <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2012 , 1818, 1785-93	3.8	43
143	Effect of 13-cis violaxanthin on organization of light harvesting complex II in monomolecular layers. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2001 , 1503, 291-302	4.6	43
142	Effect of beta-carotene on structural and dynamic properties of model phosphatidylcholine membranes. II. A 31P-NMR and 13C-NMR study. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1994 , 1194, 143-8	3.8	42
141	Galactolipid multibilayers modified with xanthophylls: orientational and diffractometric studies. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1991 , 1069, 21-6	3.8	42
140	Influence of dietary fibre on gluten proteins structure a study on model flour with application of FT-Raman spectroscopy. <i>Journal of Raman Spectroscopy</i> , 2015 , 46, 309-316	2.3	41
139	Light-induced change of configuration of the LHCII-bound xanthophyll (tentatively assigned to violaxanthin): a resonance Raman study. <i>Journal of Physical Chemistry B</i> , 2009 , 113, 2506-12	3.4	41
138	Amphotericin B-silver hybrid nanoparticles: synthesis, properties and antifungal activity. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2016 , 12, 1095-1103	6	40
137	Self-association of amphotericin B: spontaneous formation of molecular structures responsible for the toxic side effects of the antibiotic. <i>Journal of Physical Chemistry B</i> , 2014 , 118, 13821-32	3.4	40
136	Sphingomyelin-rich domains are sites of lysenin oligomerization: implications for raft studies. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2010 , 1798, 471-81	3.8	40
135	Localization and Orientation of Xanthophylls in a Lipid Bilayer. <i>Scientific Reports</i> , 2017 , 7, 9619	4.9	39

134	Polyene antibiotic amphotericin B in monomolecular layers: spectrophotometric and scanning force microscopic analysis. <i>FEBS Letters</i> , 2002 , 524, 92-6	3.8	38
133	Effect of antibiotic amphotericin B on structural and dynamic properties of lipid membranes formed with egg yolk phosphatidylcholine. <i>Chemistry and Physics of Lipids</i> , 2007 , 147, 78-86	3.7	36
132	Toward understanding of toxic side effects of a polyene antibiotic amphotericin B: fluorescence spectroscopy reveals widespread formation of the specific supramolecular structures of the drug. <i>Molecular Pharmaceutics</i> , 2012 , 9, 1511-20	5.6	35
131	Conformational rearrangements in light-harvesting complex II accompanying light-induced chlorophyll a fluorescence quenching. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2002 , 1554, 108-17	4.6	35
130	Spectroscopic study on formation of aggregated structures by carotenoids: Role of water. <i>Journal of Molecular Structure</i> , 2013 , 1046, 44-51	3.4	34
129	3-D modelling of chloroplast structure under (Mg ²⁺) magnesium ion treatment. Relationship between thylakoid membrane arrangement and stacking. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2010 , 1797, 1736-48	4.6	33
128	Effect of amphotericin B on dipalmitoylphosphatidylcholine membranes: calorimetry, ultrasound absorption and monolayer technique studies. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1998 , 1373, 220-6	3.8	33
127	Studies on canthaxanthin in lipid membranes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2005 , 1712, 17-28	3.8	33
126	Light-induced isomerization of the LHCII-bound xanthophyll neoxanthin: possible implications for photoprotection in plants. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2011 , 1807, 1237-43	4.6	32
125	LHCII, the major light-harvesting pigment-protein complex is a zeaxanthin epoxidase. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1993 , 1144, 97-101	4.6	31
124	Involvement of xanthophyll pigments in regulation of light-driven excitation quenching in light-harvesting complex of Photosystem II. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1994 , 1188, 235-242	4.6	31
123	Blue-light-controlled photoprotection in plants at the level of the photosynthetic antenna complex LHCII. <i>Journal of Plant Physiology</i> , 2010 , 167, 69-73	3.6	30
122	An effect of antibiotic amphotericin B on ion transport across model lipid membranes and tonoplast membranes. <i>Biochemical Pharmacology</i> , 2005 , 70, 668-75	6	29
121	Anomalously high aggregation level of the polyene antibiotic amphotericin B in acidic medium: implications for the biological action. <i>Biophysical Chemistry</i> , 2008 , 136, 44-9	3.5	27
120	Energy transfer process during senescence: fluorescence and photoacoustic studies of intact pea leaves. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1991 , 1056, 173-180	4.6	27
119	Different molecular organization of two carotenoids, lutein and zeaxanthin, in human colon epithelial cells and colon adenocarcinoma cells. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018 , 188, 57-63	4.4	26
118	Organization of mixed monomolecular layers formed with the xanthophyll pigments lutein or zeaxanthin and dipalmitoylphosphatidylcholine at the argon-water interface. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2000 , 59, 42-7	6.7	26
117	Organisation of xanthophyll-lipid membranes studied by means of specific pigment antisera, spectrophotometry and monomolecular layer technique lutein versus zeaxanthin. <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 1999 , 54, 517-25	1.7	26

116	Carotenoid binding to proteins: Modeling pigment transport to lipid membranes. <i>Archives of Biochemistry and Biophysics</i> , 2015 , 584, 125-33	4.1	25
115	Temperature-induced isomerization of violaxanthin in organic solvents and in light-harvesting complex II. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2005 , 78, 109-14	6.7	25
114	Imaging of human cells exposed to an antifungal antibiotic amphotericin B reveals the mechanisms associated with the drug toxicity and cell defence. <i>Scientific Reports</i> , 2018 , 8, 14067	4.9	25
113	Effect of xanthophyll pigments on fluorescence of chlorophyll a in LHC II embedded to liposomes. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 1997 , 37, 84-90	6.7	24
112	Xanthophyll pigments lutein and zeaxanthin in lipid multibilayers formed with dimyristoylphosphatidylcholine. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2002 , 68, 39-44	6.7	24
111	Molecular organization, localization and orientation of antifungal antibiotic amphotericin B in a single lipid bilayer. <i>Scientific Reports</i> , 2016 , 6, 32780	4.9	23
110	The negative feedback molecular mechanism which regulates excitation level in the plant photosynthetic complex LHCII: towards identification of the energy dissipative state. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2013 , 1827, 355-64	4.6	23
109	Molecular organization of antifungal antibiotic amphotericin B in lipid monolayers studied by means of Fluorescence Lifetime Imaging Microscopy. <i>Biophysical Chemistry</i> , 2009 , 143, 95-101	3.5	23
108	Secondary structure and orientation of the pore-forming toxin lysenin in a sphingomyelin-containing membrane. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2008 , 1778, 872-9	3.8	23
107	Fluorescence of zeaxanthin and violaxanthin in aggregated forms. <i>Chemical Physics Letters</i> , 1990 , 171, 563-568	2.5	23
106	Strong-light-induced yellowing of green microalgae <i>Chlorella</i> : A study on molecular mechanisms of the acclimation response. <i>Algal Research</i> , 2016 , 16, 245-254	5	23
105	Supramolecular organization of the main photosynthetic antenna complex LHCII: a monomolecular layer study. <i>Langmuir</i> , 2009 , 25, 9384-91	4	22
104	Light-harvesting complex II in monocomponent and mixed lipid-protein monolayers. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1998 , 1373, 289-98	3.8	22
103	Light-induced excitation quenching and structural transition in light-harvesting complex II. <i>Photosynthesis Research</i> , 1999 , 59, 175-185	3.7	22
102	Calorimetric studies of the effect of cis-carotenoids on the thermotropic phase behavior of phosphatidylcholine bilayers. <i>Biophysical Chemistry</i> , 2009 , 140, 108-14	3.5	21
101	Cis-trans-isomerization of violaxanthin in LHC II: violaxanthin isomerization cycle within the violaxanthin cycle. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1997 , 1319, 267-274	4.6	21
100	Interaction of isomeric forms of xanthophyll pigment zeaxanthin with dipalmitoylphosphatidylcholine studied in monomolecular layers. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2003 , 72, 1-9	6.7	21
99	Light-induced oxygen uptake in tobacco chloroplasts explained in terms of chlororespiratory activity. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1994 , 1188, 335-338	4.6	19

98	Galleria mellonella apolipoprotein III - an apolipoprotein with anti-Legionella pneumophila activity. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2014 , 1838, 2689-97	3.8	18
97	Raman spectroscopic study of aggregation process of antibiotic amphotericin B induced by H ⁺ , Na ⁺ , and K ⁺ ions. <i>Journal of Physical Chemistry B</i> , 2011 , 115, 5032-6	3.4	18
96	Photoprotective role of the xanthophyll cycle studied by means of modeling of xanthophyll cycle interactions. <i>Chemical Physics</i> , 2010 , 373, 122-128	2.3	18
95	The xanthophyll cycle pigments in <i>Secale cereale</i> leaves under combined Cd and high light stress conditions. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2008 , 90, 47-52	6.7	18
94	Organization of polyene antibiotic amphotericin B at the argon-water interface. <i>Biophysical Chemistry</i> , 2008 , 137, 110-5	3.5	18
93	Modes of the antibiotic activity of amphotericin B against <i>Candida albicans</i> . <i>Scientific Reports</i> , 2019 , 9, 17029	4.9	18
92	Mechanism of Binding of Antifungal Antibiotic Amphotericin B to Lipid Membranes: An Insight from Combined Single-Membrane Imaging, Microspectroscopy, and Molecular Dynamics. <i>Molecular Pharmaceutics</i> , 2018 , 15, 4202-4213	5.6	17
91	Lipoprotein PssN of <i>Rhizobium leguminosarum</i> bv. <i>trifolii</i> : subcellular localization and possible involvement in exopolysaccharide export. <i>Journal of Bacteriology</i> , 2006 , 188, 6943-52	3.5	17
90	Dipalmitoylphosphatidylcholine membranes modified with zeaxanthin: numeric study of membrane organisation. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2000 , 1509, 216-28	3.8	17
89	The effect of zeaxanthin on the thickness of dimyristoylphosphatidylcholine bilayer: X-ray diffraction study. <i>Journal of Biological Physics</i> , 1992 , 18, 271-280	1.6	16
88	Is It Beneficial for the Major Photosynthetic Antenna Complex of Plants To Form Trimers?. <i>Journal of Physical Chemistry B</i> , 2015 , 119, 8501-8	3.4	15
87	Can membrane-bound carotenoid pigment zeaxanthin carry out a transmembrane proton transfer?. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2008 , 1778, 2334-40	3.8	15
86	Thermotropic phase behaviour of lipid bilayers containing carotenoid pigment canthaxanthin: a differential scanning calorimetry study. <i>Chemistry and Physics of Lipids</i> , 2007 , 145, 1-12	3.7	15
85	Effect of light-harvesting complex II on ion transport across model lipid membranes. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2000 , 56, 12-8	6.7	15
84	The effect of carotenoids on the concentration of singlet oxygen in lipid membranes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2019 , 1861, 845-851	3.8	14
83	Chapter 9 Interaction of Polyene Macrolide Antibiotics with Lipid Model Membranes. <i>Behavior Research Methods</i> , 2006 , 269-329	6.1	13
82	Carotenoids in Membranes 1999 , 363-379		13
81	Interaction between chlorophyll a and violaxanthin in different steric conformations. <i>Colloids and Surfaces B: Biointerfaces</i> , 2003 , 28, 27-38	6	13

80	Carotenoid Orientation. <i>Oxidative Stress and Disease</i> , 2004 , 151-163		13
79	Biophysical characterization of genistein-membrane interaction and its correlation with biological effect on cells - The case of EYPC liposomes and human erythrocyte membranes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2014 , 1838, 2127-38	3.8	12
78	The photoprotective mechanisms in <i>Secale cereale</i> leaves under Cu and high light stress condition. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2010 , 101, 47-52	6.7	12
77	Interaction of ferredoxin:NADP ⁺ oxidoreductase with model membranes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2008 , 1778, 133-42	3.8	12
76	Nanoscale resolution in infrared imaging of protein-containing lipid membranes. <i>Nanoscale</i> , 2015 , 7, 14659-62	7.7	11
75	Studies on the interactions of neutral <i>Galleria mellonella</i> cecropin D with living bacterial cells. <i>Amino Acids</i> , 2019 , 51, 175-191	3.5	11
74	The xanthophyll cycle pigments, violaxanthin and zeaxanthin, modulate molecular organization of the photosynthetic antenna complex LHCII. <i>Archives of Biochemistry and Biophysics</i> , 2016 , 592, 1-9	4.1	10
73	Light-induced formation of dimeric LHCII. <i>Photosynthesis Research</i> , 2017 , 132, 265-276	3.7	10
72	Dimers of polyene antibiotic amphotericin B. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2003 , 72, 103-105	6.7	10
71	Effect of β -carotene, lutein and violaxanthin on structural properties of dipalmitoyl-phosphatidylcholine liposomes as studied by ultrasound absorption technique. <i>Journal of Biological Physics</i> , 1995 , 21, 73-80	1.6	10
70	Changes of Excitation Spectra of in vivo Chlorophyll Fluorescence during Induction of Photosynthesis. <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 1993 , 48, 46-51	1.7	9
69	Antifungal Activity of Anionic Defense Peptides: Insight into the Action of Anionic Peptide 2. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	8
68	Dipalmitoylphosphatidylcholine membranes modified with carotenoid pigment lutein: experiment versus Monte Carlo simulation study of the membrane organization. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2008 , 1778, 2105-18	3.8	8
67	Complexation of Chlorophyll a and Cytochrome c in Monolayer at Air-Water Interface. <i>Journal of Colloid and Interface Science</i> , 1995 , 171, 134-141	9.3	8
66	A chloroplast "wake up" mechanism: Illumination with weak light activates the photosynthetic antenna function in dark-adapted plants. <i>Journal of Plant Physiology</i> , 2017 , 210, 1-8	3.6	7
65	Organization of two-component monomolecular layers formed with dipalmitoylphosphatidylcholine and the carotenoid pigment, canthaxanthin. <i>Molecular Membrane Biology</i> , 2007 , 24, 431-41	3.4	7
64	A direct measurement of thermal energy dissipation in the photosynthetic apparatus during induction of fluorescence. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 1994 , 22, 23-27	6.7	7
63	A simple model describing the kinetics of the xanthophyll cycle. <i>Biophysical Chemistry</i> , 1991 , 41, 125-9	3.5	7

62	The lipid composition of <i>Legionella dumoffii</i> membrane modulates the interaction with <i>Galleria mellonella</i> apolipoprotein III. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2016 , 1861, 617-29	5	7
61	Light-Driven Reconfiguration of a Xanthophyll Violaxanthin in the Photosynthetic Pigment-Protein Complex LHCII: A Resonance Raman Study. <i>Journal of Physical Chemistry B</i> , 2016 , 120, 4373-82	3.4	7
60	Spectroscopic studies of the molecular organization of 4-([1,2,4] triazolo [4,3-a] pyridin-3-yl)-6-methylbenzene-1,3-diol in selected solvents. <i>Journal of Luminescence</i> , 2018 , 194, 208-218	3.8	6
59	Investigation of the molecular mechanism of the blue-light-specific excitation energy quenching in the plant antenna complex LHCII. <i>Journal of Plant Physiology</i> , 2011 , 168, 409-14	3.6	6
58	Carotenoids in Lipid Membranes 2009 , 19-30		6
57	Near edge X-ray absorption fine structure spectroscopy (NEXAFS) of pigment-protein complexes: peridinin-chlorophyll a protein (PCP) of <i>Amphidinium carterae</i> . <i>Journal of Proteomics</i> , 2007 , 70, 369-76		6
56	Chlorophyll a-violaxanthin interactions in monolayers at air/water interface and in Langmuir-Blodgett films. <i>Colloids and Surfaces B: Biointerfaces</i> , 2000 , 19, 117-125	6	6
55	Blue Light-Enhanced Photosynthetic Oxygen Evolution from Liposome-Bound Photosystem II Particles; Possible Role of the Xanthophyll Cycle in the Regulation of Cyclic Electron Flow Around Photosystem II?. <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 1995 , 50, 61-68	1.7	6
54	LHCII Preparation exhibits properties of a zeaxanthin epoxidase. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 1993 , 17, 291-292	6.7	6
53	Qualitative changes in the fluorescence spectra of intact pea leaves after photoinhibition. <i>Biochemistry and Cell Biology</i> , 1991 , 69, 399-404	3.6	6
52	Raman spectroscopy analysis of molecular configuration forms of the macular xanthophylls. <i>Journal of Raman Spectroscopy</i> , 2020 , 51, 635-641	2.3	5
51	Lack of tocopherols influences the PSII antenna and the functioning of photosystems under low light. <i>Journal of Plant Physiology</i> , 2018 , 223, 57-64	3.6	5
50	Interaction of a quercetin derivative - lensoside A with liposomal membranes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2018 , 1860, 292-299	3.8	5
49	The effect of blue light on electron transport in photosystem II reconstituted in planar bilayer lipid membrane. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 1997 , 39, 265-268	6.7	5
48	PssO, a unique extracellular protein important for exopolysaccharide synthesis in <i>Rhizobium leguminosarum</i> bv. <i>trifolii</i> . <i>Biochimie</i> , 2008 , 90, 1781-90	4.6	5
47	Ion transport across model lipid membranes containing light-harvesting complex II: an effect of light. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2004 , 74, 13-21	6.7	5
46	Molecular organization of the antifungal and anticancer drug 2-(2,4-dihydroxyphenyl)-5,6-dichlorobenzothiazole in solution and in monolayers: an effect of pH. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2005 , 80, 101-6	6.7	5
45	A photoelectrochemical study of the zeaxanthin layer deposited on a platinum electrode. <i>Bioelectrochemistry</i> , 1993 , 29, 357-362		5

44	The role of xanthophylls in the supramolecular organization of the photosynthetic complex LHCII in lipid membranes studied by high-resolution imaging and nanospectroscopy. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2020 , 1861, 148117	4.6	5
43	Factors Differentiating the Antioxidant Activity of Macular Xanthophylls in the Human Eye Retina. <i>Antioxidants</i> , 2021 , 10,	7.1	5
42	Light-Modulated Sunscreen Mechanism in the Retina of the Human Eye. <i>Journal of Physical Chemistry B</i> , 2021 , 125, 6090-6102	3.4	5
41	A Key Role of Xanthophylls That Are Not Embedded in Proteins in Regulation of the Photosynthetic Antenna Function in Plants, Revealed by Monomolecular Layer Studies. <i>Journal of Physical Chemistry B</i> , 2016 , 120, 13056-13064	3.4	5
40	Genetic diversity of Legionella pcs and pmtA genes and the effect of utilization of choline by Legionella spp. on induction of proinflammatory cytokines. <i>Pathogens and Disease</i> , 2019 , 77,	4.2	5
39	The orientation of the transition dipole moments of a polyene antibiotic Amphotericin B under UV-VIS studies. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2015 , 151, 83-8	6.7	4
38	Specific Composition of Lipid Phases Allows Retaining an Optimal Thylakoid Membrane Fluidity in Plant Response to Low-Temperature Treatment. <i>Frontiers in Plant Science</i> , 2020 , 11, 723	6.2	4
37	Light-driven regulatory mechanisms in the photosynthetic antenna complex LHCII. <i>Biochemical Society Transactions</i> , 2010 , 38, 702-4	5.1	4
36	Towards elucidating the energy of the first excited singlet state of xanthophyll cycle pigments by X-ray absorption spectroscopy. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2005 , 1708, 102-7	4.6	4
35	Molecular organization of the antifungal and anticancer drug 2-(2,4-dihydroxyphenyl)-5,6-dichlorobenzothiazole (dHBBT) in solution and in lipid membranes studied by means of electronic absorption spectroscopy. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2004 , 76, 33-40	6.7	4
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