

Wieslaw Gruszecki

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/6341096/wieslaw-gruszecki-publications-by-year.pdf>

Version: 2024-04-29

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

169
papers

4,074
citations

36
h-index

55
g-index

176
ext. papers

4,514
ext. citations

4.5
avg, IF

5.32
L-index

#	Paper	IF	Citations
169	How Do Phenolic Acids Change the Secondary and Tertiary Structure of Gliadin? Studies with an Application of Spectroscopic Techniques. <i>International Journal of Molecular Sciences</i> , 2022 , 23, 6053	6.3	1
168	Surface and Structural Studies of Age-Related Changes in Dental Enamel: An Animal Model. <i>Materials</i> , 2022 , 15, 3993	3.5	0
167	Factors Differentiating the Antioxidant Activity of Macular Xanthophylls in the Human Eye Retina. <i>Antioxidants</i> , 2021 , 10,	7.1	5
166	Mechanisms shaping the synergism of zeaxanthin and PsbS in photoprotective energy dissipation in the photosynthetic apparatus of plants. <i>Plant Journal</i> , 2021 , 107, 418-433	6.9	3
165	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
164	Self-assembly, stability and conductance of amphotericin B channels: bridging the gap between structure and function. <i>Nanoscale</i> , 2021 , 13, 3686-3697	7.7	1
163	Effect of trace amounts of ionic surfactants on the zeta potential of DPPC liposomes. <i>Chemistry and Physics of Lipids</i> , 2021 , 235, 105059	3.7	4
162	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
161	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
160	Raman spectroscopy analysis of molecular configuration forms of the macular xanthophylls. <i>Journal of Raman Spectroscopy</i> , 2020 , 51, 635-641	2.3	5
159	Recycling of Energy Dissipated as Heat Accounts for High Activity of Photosystem II. <i>Journal of Physical Chemistry Letters</i> , 2020 , 11, 3242-3248	6.4	3
158	Identification and characterization of spp. and their susceptibility to insect apolipoprotein III. <i>Future Microbiology</i> , 2020 , 15, 1015-1032	2.9	1
157	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
156	Stimulation of methanogenesis in bituminous coal from the upper Silesian coal basin. <i>International Journal of Coal Geology</i> , 2020 , 231, 103609	5.5	4
155	Water-induced molecular changes of hard coals and lignites. <i>International Journal of Coal Geology</i> , 2020 , 224, 103481	5.5	3
154	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
153	The Role of Serogroup 1 Lipopolysaccharide in Host-Pathogen Interaction. <i>Frontiers in Microbiology</i> , 2019 , 10, 2890	5.7	2

152	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
151	Modes of the antibiotic activity of amphotericin B against Candida albicans. <i>Scientific Reports</i> , 2019 , 9, 17029	4.9	18
150	Studies on the interactions of neutral Galleria mellonella cecropin D with living bacterial cells. <i>Amino Acids</i> , 2019 , 51, 175-191	3.5	11
149	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
148	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
147	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
146	Interaction of a quercetin derivative - lensoside A with liposomal membranes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2018 , 1860, 292-299	3.8	5
145	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
144	Comparative studies of live tapetum cells in sterile garlic (<i>Allium sativum</i>) and fertile leek (<i>Allium ampeloprasum</i>) using the fluorescence lifetime imaging analytical method. <i>South African Journal of Botany</i> , 2018 , 117, 222-231	2.9	2
143	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
142	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
141	Localization and Orientation of Xanthophylls in a Lipid Bilayer. <i>Scientific Reports</i> , 2017 , 7, 9619	4.9	39
140	Light-induced formation of dimeric LHCII. <i>Photosynthesis Research</i> , 2017 , 132, 265-276	3.7	10
139	Ligand-induced action of the W286 rotamer toggle switch in the β adrenergic receptor. <i>Physical Chemistry Chemical Physics</i> , 2017 , 20, 581-594	3.6	2
138	Raman studies of gluten proteins aggregation induced by dietary fibres. <i>Food Chemistry</i> , 2016 , 194, 86-98.	9.5	43
137	Carotenoids in Pigment-Protein Complexes 2016 , 147-158		2
136	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
135	Two wavelength-dependent mechanisms of sensitisation of light-induced quenching in the isolated light-harvesting complex II. <i>FEBS Letters</i> , 2016 , 590, 2549-57	3.8	

134	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
133	Amphotericin B-silver hybrid nanoparticles: synthesis, properties and antifungal activity. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2016 , 12, 1095-1103	6	40
132	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
131	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
130	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
129	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
128	Nanoscale resolution in infrared imaging of protein-containing lipid membranes. <i>Nanoscale</i> , 2015 , 7, 14659-62	7.7	11
127	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
126	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
125	Photothermal microscopy: imaging of energy dissipation from photosynthetic complexes. <i>Analytical Chemistry</i> , 2015 , 87, 9572-5	7.8	2
124	Carotenoid binding to proteins: Modeling pigment transport to lipid membranes. <i>Archives of Biochemistry and Biophysics</i> , 2015 , 584, 125-33	4.1	25
123	Menthol-induced action potentials in <i>Conocephalum conicum</i> as a result of unspecific interactions between menthol and the lipid phase of the plasma membrane. <i>Physiologia Plantarum</i> , 2015 , 154, 349-57	4.6	3
122	Analysis of cell surface alterations in <i>Legionella pneumophila</i> cells treated with human apolipoprotein E. <i>Pathogens and Disease</i> , 2015 , 73, 1-8	4.2	1
121	Plant Photosystem II as an Example of a Natural Photovoltaic Device 2015 , 121-131		
120	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
119	Characteristics of quercetin interactions with liposomal and vacuolar membranes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2014 , 1838, 254-65	3.8	61
118	<i>Galleria mellonella</i> apolipoprotein III - an apolipoprotein with anti- <i>Legionella pneumophila</i> activity. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2014 , 1838, 2689-97	3.8	18
117	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

116	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
115	Plasmonic-based instrument response function for time-resolved fluorescence: toward proper lifetime analysis. <i>Journal of Nanoparticle Research</i> , 2013 , 15, 1	2.3	
114	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
113	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
112	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
111	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
110	Biomembrane models 2013 , 47-95		3
109	Structure-function relationship of the plant photosynthetic pigment-protein complex LHCII studied with molecular spectroscopy techniques. <i>Advances in Protein Chemistry and Structural Biology</i> , 2013 , 93, 81-93	5.3	2
108	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
107	Strong light-induced reorganization of pigment-protein complexes of thylakoid membranes in rye (spectroscopic study). <i>Journal of Plant Physiology</i> , 2012 , 169, 65-71	3.6	3
106	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
105	Cadmium inhibitory action leads to changes in structure of ferredoxin:NADP(+) oxidoreductase. <i>Journal of Biological Physics</i> , 2012 , 38, 415-28	1.6	3
104	Spectroscopy of Photosynthetic Pigment-Protein Complex LHCII. <i>Acta Physica Polonica A</i> , 2012 , 121, 397-400	0.6	1
103	Photosynthetic antenna complex LHCII studied with novel fluorescence techniques. <i>Methods in Molecular Biology</i> , 2012 , 875, 263-9	1.4	1
102	Molecular organization of polyene antibiotic amphotericin B studied by means of fluorescence technique. <i>Methods in Molecular Biology</i> , 2012 , 875, 57-65	1.4	1
101	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
100	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
99	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

98	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
97	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
96	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
95	Light-driven regulatory mechanisms in the photosynthetic antenna complex LHCII. <i>Biochemical Society Transactions</i> , 2010 , 38, 702-4	5.1	4
94	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
93	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
92	Photoprotective role of the xanthophyll cycle studied by means of modeling of xanthophyll-LHCII interactions. <i>Chemical Physics</i> , 2010 , 373, 122-128	2.3	18
91	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
90	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
89	Supramolecular organization of the main photosynthetic antenna complex LHCII: a monomolecular layer study. <i>Langmuir</i> , 2009 , 25, 9384-91	4	22
88	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
87	Carotenoids in Lipid Membranes 2009 , 19-30		6
86	Mutational analysis of the AtNUDT7 Nudix hydrolase from <i>Arabidopsis thaliana</i> reveals residues required for protein quaternary structure formation and activity. <i>Acta Biochimica Polonica</i> , 2009 , 56, 291-300	2	2
85	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
84	Interaction of ferredoxin:NADP ⁺ oxidoreductase with model membranes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2008 , 1778, 133-42	3.8	12
83	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
82	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
81	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

80	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
79	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
78	Organization of polyene antibiotic amphotericin B at the argon-water interface. <i>Biophysical Chemistry</i> , 2008 , 137, 110-5	3.5	18
77	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
76	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
75	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
74	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
73	Adaptation of the photosynthetic apparatus of <i>Nitellopsis obtusa</i> to changing light intensity at the molecular level: different pathways of a singlet excitation quenching. <i>Acta Physiologiae Plantarum</i> , 2006 , 28, 127-136	2.6	2
72	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
71	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
70	Binding of antibiotic amphotericin B to lipid membranes: a 1H NMR study. <i>FEBS Letters</i> , 2006 , 580, 2677-88		57
69	Chapter 9 Interaction of Polyene Macrolide Antibiotics with Lipid Model Membranes. <i>Behavior Research Methods</i> , 2006 , 269-329	6.1	13
68	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
67	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
66	Studies on canthaxanthin in lipid membranes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2005 , 1712, 17-28	3.8	33
65	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
64	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
63	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

62	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
61	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
60	Incorporation and analysis of LHCII in model systems. <i>Methods in Molecular Biology</i> , 2004 , 274, 173-81	1.4	2
59	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
58	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
57	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	3
56	Carotenoid Orientation. <i>Oxidative Stress and Disease</i> , 2004 , 151-163		13
55	Photosynthetic pigment-protein complexes in planar lipid membranes. <i>Membrane Science and Technology</i> , 2003 , 7, 981-990		0
54	The study of the quercetin action on human erythrocyte membranes. <i>Biochemical Pharmacology</i> , 2003 , 66, 605-12	6	110
53	Dimers of polyene antibiotic amphotericin B. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2003 , 72, 103-105	6.7	10
52	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
51	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
50	Interaction between chlorophyll a and violaxanthin in different steric conformations. <i>Colloids and Surfaces B: Biointerfaces</i> , 2003 , 28, 27-38	6	13
49	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
48	Application of very small force measurements in monitoring the response of sunflower to weak blue light. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2002 , 66, 141-7	6.7	4
47	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
46	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
45	Polyene antibiotic amphotericin B in monomolecular layers: spectrophotometric and scanning force microscopic analysis. <i>FEBS Letters</i> , 2002 , 524, 92-6	3.8	38

44	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
43	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
42	Chlorophyll a and 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
41	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
40	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
39	Dipalmitoylphosphatidylcholine membranes modified with zeaxanthin: numeric study of membrane organisation. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2000 , 1509, 216-28	3.8	17
38	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
37	Carotenoids in Membranes 1999 , 363-379		13
36	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
35	Light-induced excitation quenching and structural transition in light-harvesting complex II. <i>Photosynthesis Research</i> , 1999 , 59, 175-185	3.7	22
34	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
33	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
32	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
31	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
30	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
29	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
28	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
27	Zeaxanthin (dihydroxy-beta-carotene) but not beta-carotene rigidifies lipid membranes: a ¹ H-NMR study of carotenoid-egg phosphatidylcholine liposomes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1996 , 1285, 167-74	3.8	115

26	Increased heat emission in photosynthetic apparatus of rye subjected to light stress. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 1996 , 32, 67-69	6.7	4
25	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
24	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
23	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
22	Regulation of the Exciton Density in Photosynthetic Antenna System: Cruise Control 1995 , 73-76		2
21	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
20	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
19	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
18	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
17	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
16	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
15	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
14	Spontaneous Organization of Amphotericin B in Aqueous Medium. <i>Journal of Colloid and Interface Science</i> , 1993 , 158, 71-76	9.3	52
13	A photoelectrochemical study of the zeaxanthin layer deposited on a platinum electrode. <i>Bioelectrochemistry</i> , 1993 , 29, 357-362		5
12	LHCII Preparation exhibits properties of a zeaxanthin epoxidase. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 1993 , 17, 291-292	6.7	6
11	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
10	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
9	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

8	A simple model describing the kinetics of the xanthophyll cycle. <i>Biophysical Chemistry</i> , 1991 , 41, 125-9	3.5	7
7	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
6	Structural characterization of the aggregated forms of violaxanthin. <i>Journal of Biological Physics</i> , 1991 , 18, 99-109	1.6	51
5	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
4	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
3	Galactolipid multibilayers modified with xanthophylls: orientational and diffractometric studies. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1991 , 1069, 21-6	3.8	42
2	Fluorescence of zeaxanthin and violaxanthin in aggregated forms. <i>Chemical Physics Letters</i> , 1990 , 171, 563-568	2.5	23
1	Orientation of xanthophylls in phosphatidylcholine multibilayers. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1990 , 1023, 405-12	3.8	85