

Beata Mysliwa-Kurdziel

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4005408/publications.pdf>

Version: 2024-02-01

53
papers

1,113
citations

331670

21
h-index

434195

31
g-index

54
all docs

54
docs citations

54
times ranked

1247
citing authors

#	ARTICLE	IF	CITATIONS
1	Understanding chlorophylls: Central magnesium ion and phytol as structural determinants. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2008, 1777, 1491-1500.	1.0	117
2	Light-Dependent Protochlorophyllide Oxidoreductase: Phylogeny, Regulation, and Catalytic Properties. <i>Biochemistry</i> , 2015, 54, 5255-5262.	2.5	100
3	Chlorophylls and their Derivatives Used in Food Industry and Medicine. <i>Mini-Reviews in Medicinal Chemistry</i> , 2017, 17, 1194-1222.	2.4	72
4	Phycobilins and Phycobiliproteins Used in Food Industry and Medicine. <i>Mini-Reviews in Medicinal Chemistry</i> , 2017, 17, 1173-1193.	2.4	58
5	Phytol as one of the determinants of chlorophyll interactions in solution. <i>Photosynthesis Research</i> , 2003, 78, 47-57.	2.9	56
6	Photoactive Protochlorophyllide-Enzyme Complexes Reconstituted with PORA, PORB and PORC Proteins of <i>A. thaliana</i> : Fluorescence and Catalytic Properties. <i>PLoS ONE</i> , 2015, 10, e0116990.	2.5	37
7	Syntheses and DNA binding of new cationic porphyrin-tetrapeptide conjugates. <i>Biophysical Chemistry</i> , 2011, 155, 36-44.	2.8	33
8	Hg ²⁺ Reacts with Different Components of the NADPH: Protochlorophyllide Oxidoreductase Macrod domains. <i>Plant Biology</i> , 2004, 6, 358-368.	3.8	30
9	MGDG, PG and SQDG regulate the activity of light-dependent protochlorophyllide oxidoreductase. <i>Biochemical Journal</i> , 2017, 474, 1307-1320.	3.7	29
10	The activity of superoxide dismutases (SODs) at the early stages of wheat deetiolation. <i>PLoS ONE</i> , 2018, 13, e0194678.	2.5	28
11	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.	3.8	27
12	Influence of Cd(II), Cr(VI) and Fe(III) on early steps of deetiolation process in wheat: fluorescence spectral changes of protochlorophyllide and newly formed chlorophyllide. <i>Agriculture, Ecosystems and Environment</i> , 2005, 106, 199-207.	5.3	27
13	The Early Stages of Photosystem II Assembly Monitored by Measurements of Fluorescence Lifetime, Fluorescence Induction and Isoelectric Focusing of Chlorophyll-Proteins in Barley Eti chloroplasts. <i>Plant and Cell Physiology</i> , 1997, 38, 1187-1196.	3.1	26
14	The influence of structure and redox state of prenylquinones on thermotropic phase behaviour of phospholipids in model membranes. <i>Chemistry and Physics of Lipids</i> , 2002, 114, 169-180.	3.2	26
15	Fluorescence Lifetimes of Protochlorophyllide in Plants with Different Proportions of Short-wavelength and Long-wavelength Protochlorophyllide Spectral Forms. <i>Photochemistry and Photobiology</i> , 2003, 78, 205.	2.5	26
16	Solvent effects on fluorescence properties of protochlorophyll and its derivatives with various porphyrin side chains. <i>European Biophysics Journal</i> , 2008, 37, 1185-1193.	2.2	26
17	Visualization and characterization of prolamellar bodies with atomic force microscopy. <i>Journal of Plant Physiology</i> , 2013, 170, 1217-1227.	3.5	25
18	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.	2.8	24

#	ARTICLE	IF	CITATIONS
19	Influence of Solvent Polarizability on the Keto-Enol Equilibrium in 4-[5-(naphthalen-1-ylmethyl)-1,3,4-thiadiazol-2-yl]benzene-1,3-diol. <i>Journal of Fluorescence</i> , 2015, 25, 1867-1874.	2.5	24
20	Separation of Monovinyl and Divinyl Protochlorophyllides Using C30 Reverse Phase High Performance Liquid Chromatography Column: Analytical and Preparative Applications. <i>Chromatographia</i> , 2004, 60, .	1.3	23
21	Light-dependent and light-independent protochlorophyllide oxidoreductases share similar sequence motifs -in silico studies. <i>Photosynthetica</i> , 2012, 50, 529-540.	1.7	22
22	Analysis of Fluorescence Lifetime of Protochlorophyllide and Chlorophyllide in Isolated Etioplast Membranes Measured from Multifrequency Cross-correlation Phase Fluorometry. <i>Photochemistry and Photobiology</i> , 1999, 70, 616-623.	2.5	21
23	Origin of Chlorophyll Fluorescence in Plants at 55â€“75Â°C. <i>Photochemistry and Photobiology</i> , 2003, 77, 68.	2.5	20
24	Fluorescence Lifetimes and Spectral Properties of Protochlorophyllide in Organic Solvents in Relation to the Respective Parameters <i>in Vivo</i> . <i>Photochemistry and Photobiology</i> , 2004, 79, 62-67.	2.5	19
25	Fluorescence Lifetimes Study of Î±-Tocopherol and Biological Prenylquinols in Organic Solvents and Model Membranes. <i>Photochemistry and Photobiology</i> , 2006, 82, 1309.	2.5	18
26	Disintegration of the Prolamellar Body Structure at High Concentrations of Hg ²⁺ . <i>Plant Biology</i> , 2006, 8, 627-635.	3.8	17
27	Spectroscopic and theoretical investigation into substituent- and aggregation-related dual fluorescence effects in the selected 2-amino-1,3,4-thiadiazoles. <i>Journal of Molecular Liquids</i> , 2019, 291, 111261.	4.9	17
28	Non-Typical Fluorescence Effects and Biological Activity in Selected 1,3,4-thiadiazole Derivatives: Spectroscopic and Theoretical Studies on Substituent, Molecular Aggregation, and pH Effects. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5494.	4.1	15
29	Fluorescence Lifetimes and Spectral Properties of Protochlorophyllide in Organic Solvents in Relation to the Respective Parameters <i>In Vivo</i> . <i>Photochemistry and Photobiology</i> , 2004, 79, 62.	2.5	14
30	Heavy-metal tolerance of photobiont in pioneer lichens inhabiting heavily polluted sites. <i>Science of the Total Environment</i> , 2019, 679, 260-269.	8.0	14
31	The origin, evolution and diversification of multiple isoforms of light-dependent protochlorophyllide oxidoreductase (LPOR): focus on angiosperms. <i>Biochemical Journal</i> , 2020, 477, 2221-2236.	3.7	14
32	Analysis of Fluorescence Lifetime of Protochlorophyllide and Chlorophyllide in Isolated Etioplast Membranes Measured from Multifrequency Cross-correlation Phase Fluorometry. <i>Photochemistry and Photobiology</i> , 1999, 70, 616.	2.5	13
33	Insight into the oligomeric structure of PORA from <i>A. thaliana</i> . <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2016, 1864, 1757-1764.	2.3	12
34	Characterization of the natural chemical and osmotic environment of early wheat embryogenesis. <i>Physiologia Plantarum</i> , 1999, 107, 230-239.	5.2	10
35	Protochlorophyllide in model systems â€” An approach to in vivo conditions. <i>Biophysical Chemistry</i> , 2013, 175-176, 28-38.	2.8	10
36	The Role of Membranes and Lipid-Protein Interactions in the Mg-Branch of Tetrapyrrole Biosynthesis. <i>Frontiers in Plant Science</i> , 2021, 12, 663309.	3.6	10

#	ARTICLE	IF	CITATIONS
37	Fluorescence Lifetimes of Protochlorophyllide in Plants with Different Proportions of Short-wavelength and Long-wavelength Protochlorophyllide Spectral Forms. <i>Photochemistry and Photobiology</i> , 2007, 78, 205-212.	2.5	8
38	Binding of new cationic porphyrin-tetrapeptide conjugates to nucleoprotein complexes. <i>Biophysical Chemistry</i> , 2013, 177-178, 14-23.	2.8	7
39	Fluorescence lifetimes and spectral properties of protochlorophyllide in organic solvents in relation to the respective parameters in vivo. <i>Photochemistry and Photobiology</i> , 2004, 79, 62-7.	2.5	7
40	Protochlorophyll complexes with similar steady-state fluorescence characteristics can differ in fluorescence lifetimes. A model study in Triton X-100. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2007, 86, 262-271.	3.8	4
41	Action of an Antiserum to a-Tocoquinone on Photosystem II-Particle Preparations of <i>Nicotiana tabacum</i> . <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 1996, 51, 691-697.	1.4	3
42	Cadmium inhibitory action leads to changes in structure of ferredoxin:NADP+ oxidoreductase. <i>Journal of Biological Physics</i> , 2012, 38, 415-428.	1.5	3
43	Protochlorophyllide and protochlorophyll in model membranes - An influence of hydrophobic side chain moiety. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2013, 1828, 1075-1082.	2.6	3
44	Photoinduction of Seed Germination in <i>Arabidopsis Thaliana</i> is Modulated by Phototropins. <i>Acta Biologica Cracoviensia Series Botanica</i> , 2013, 55, .	0.5	3
45	Chlorophylls - Occurrence, synthesis, properties, photosynthetic and evolutionary significance. <i>Advances in Botanical Research</i> , 2019, , 91-119.	1.1	3
46	Variations in xanthophyll composition in etiolated seedlings of <i>Arabidopsis thaliana</i> correlate with protochlorophyllide accumulation.. <i>Acta Biochimica Polonica</i> , 2012, 59, .	0.5	3
47	Origin of Chlorophyll Fluorescence in Plants at 55-75°C. <i>Photochemistry and Photobiology</i> , 2007, 77, 68-76.	2.5	2
48	Initial Stages of Angiosperm Greening Monitored by Low-Temperature Fluorescence Spectra and Fluorescence Lifetimes. <i>Methods in Molecular Biology</i> , 2012, 875, 231-239.	0.9	1
49	Differential Scanning Calorimetry Investigation of Wheat Prolamellar Body Membranes. , 1998, , 3261-3264.		1
50	Protochlorophyllide Forms in Etiolated Seedlings of Photoreceptor Mutants of <i>Arabidopsis Thaliana</i> - Is Chlorophyll Biosynthesis Controlled by Cooperation between Phytochromes and Phototropins?. <i>Advanced Topics in Science and Technology in China</i> , 2013, , 381-384.	0.1	1
51	Variations in xanthophyll composition in etiolated seedlings of <i>Arabidopsis thaliana</i> correlate with protochlorophyllide accumulation. <i>Acta Biochimica Polonica</i> , 2012, 59, 57-60.	0.5	1
52	Dynamics of Etiolation Monitored by Seedling Morphology, Carotenoid Composition, Antioxidant Level, and Photoactivity of Protochlorophyllide in <i>Arabidopsis thaliana</i> . <i>Frontiers in Plant Science</i> , 2021, 12, 772727.	3.6	1
53	Determination of norflurazon concentration in wheat leaves using a modified QuEChERS method. <i>Acta Biochimica Polonica</i> , 2017, 64, 431-436.	0.5	0