

Joanna Fiedor

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2289301/publications.pdf>

Version: 2024-02-01

22
papers

1,443
citations

840776

11
h-index

677142

22
g-index

24
all docs

24
docs citations

24
times ranked

2634
citing authors

#	ARTICLE	IF	CITATIONS
1	Potential Role of Carotenoids as Antioxidants in Human Health and Disease. <i>Nutrients</i> , 2014, 6, 466-488.	4.1	990
2	Cyclic endoperoxides of β -carotene, potential pro-oxidants, as products of chemical quenching of singlet oxygen. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2005, 1709, 1-4.	1.0	93
3	Photodynamics of the Bacteriochlorophyll "Carotenoid System. 2. Influence of Central Metal, Solvent and β -Carotene on Photobleaching of Bacteriochlorophyll Derivatives. <i>Photochemistry and Photobiology</i> , 2002, 76, 145.	2.5	50
4	Quantitative Assessment of PM2.5 Sources and Their Seasonal Variation in Krakow. <i>Water, Air, and Soil Pollution</i> , 2017, 228, 290.	2.4	49
5	Seasonal contribution of assessed sources to submicron and fine particulate matter in a Central European urban area. <i>Environmental Pollution</i> , 2018, 241, 406-411.	7.5	47
6	Effects of Molecular Symmetry on the Electronic Transitions in Carotenoids. <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 1821-1829.	4.6	39
7	Photodynamics of the Bacteriochlorophyll "Carotenoid System. 1. Bacteriochlorophyll-photosensitized Oxygenation of β -Carotene in Acetone. <i>Photochemistry and Photobiology</i> , 2001, 74, 64.	2.5	38
8	Tuning the Thermodynamics of Association of Transmembrane Helices. <i>Journal of Physical Chemistry B</i> , 2009, 113, 12831-12838.	2.6	24
9	Chemical content and estimated sources of fine fraction of particulate matter collected in Krakow. <i>Air Quality, Atmosphere and Health</i> , 2017, 10, 47-52.	3.3	23
10	Antioxidant effects of carotenoids in a model pigment-protein complex. <i>Acta Biochimica Polonica</i> , 2012, 59, .	0.5	17
11	Triplet-driven chemical reactivity of β -carotene and its biological implications. <i>Nature Communications</i> , 2022, 13, 2474.	12.8	14
12	Quantification of purple non-sulphur phototrophic bacteria and their photosynthetic structures by means of total reflection X-ray fluorescence spectrometry (TXRF). <i>Journal of Analytical Atomic Spectrometry</i> , 2016, 31, 2078-2088.	3.0	9
13	Excitation Energy Trapping and Dissipation by Ni-Substituted Bacteriochlorophyll <i>a</i> in Reconstituted LH1 Complexes from <i>Rhodospirillum rubrum</i> . <i>Journal of Physical Chemistry B</i> , 2013, 117, 11260-11271.	2.6	8
14	DNA-hexadecyltrimethyl ammonium chloride complex with enhanced thermostability as promising electronic and optoelectronic material. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 259-268.	2.2	8
15	Antioxidant effects of carotenoids in a model pigment-protein complex. <i>Acta Biochimica Polonica</i> , 2012, 59, 61-4.	0.5	8
16	Coupling of collective motions of the protein matrix to vibrations of the non-heme iron in bacterial photosynthetic reaction centers. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2010, 1797, 1696-1704.	1.0	7
17	The dynamics of the non-heme iron in bacterial reaction centers from <i>Rhodobacter sphaeroides</i> . <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2012, 1817, 2095-2102.	1.0	7
18	β -Carotene-Induced Alterations in Haemoglobin Affinity to O ₂ . <i>Antioxidants</i> , 2021, 10, 451.	5.1	5

#	ARTICLE	IF	CITATIONS
19	Photodynamics of the Bacteriochlorophyll-Carotenoid System. 2. Influence of Central Metal, Solvent and β^2 -Carotene on Photobleaching of Bacteriochlorophyll Derivatives. <i>Photochemistry and Photobiology</i> , 2002, 76, 145-152.	2.5	2
20	Influence of Cd ²⁺ on the spin state of non-heme iron and on protein local motions in reaction centers from purple photosynthetic bacterium <i>Rhodospirillum rubrum</i> . <i>Journal of Physics: Conference Series</i> , 2010, 217, 012021.	0.4	2
21	Light Energy Driven Nanocommunications With FRET in Photosynthetic Systems. <i>IEEE Access</i> , 2021, 9, 44490-44501.	4.2	2
22	Controlling Structural and Functional Features of Photosynthetic Antenna. <i>Acta Physica Polonica A</i> , 2012, 122, 255-258.	0.5	1