

Joanna Fiedor

List of Publications by Year in descending order

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22
papers

1,443
citations

840776

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677142

22
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24
all docs

24
docs citations

24
times ranked

2634
citing authors

#	ARTICLE	IF	CITATIONS
1	Triplet-driven chemical reactivity of β -carotene and its biological implications. Nature Communications, 2022, 13, 2474.	12.8	14
2	Light Energy Driven Nanocommunications With FRET in Photosynthetic Systems. IEEE Access, 2021, 9, 44490-44501.	4.2	2
3	β -Carotene-Induced Alterations in Haemoglobin Affinity to O ₂ . Antioxidants, 2021, 10, 451.	5.1	5
4	Seasonal contribution of assessed sources to submicron and fine particulate matter in a Central European urban area. Environmental Pollution, 2018, 241, 406-411.	7.5	47
5	Chemical content and estimated sources of fine fraction of particulate matter collected in Krakow. Air Quality, Atmosphere and Health, 2017, 10, 47-52.	3.3	23
6	Quantitative Assessment of PM _{2.5} Sources and Their Seasonal Variation in Krakow. Water, Air, and Soil Pollution, 2017, 228, 290.	2.4	49
7	DNA-hexadecyltrimethyl ammonium chloride complex with enhanced thermostability as promising electronic and optoelectronic material. Journal of Materials Science: Materials in Electronics, 2017, 28, 259-268.	2.2	8
8	Effects of Molecular Symmetry on the Electronic Transitions in Carotenoids. Journal of Physical Chemistry Letters, 2016, 7, 1821-1829.	4.6	39
9	Quantification of purple non-sulphur phototrophic bacteria and their photosynthetic structures by means of total reflection X-ray fluorescence spectrometry (TXRF). Journal of Analytical Atomic Spectrometry, 2016, 31, 2078-2088.	3.0	9
10	Potential Role of Carotenoids as Antioxidants in Human Health and Disease. Nutrients, 2014, 6, 466-488.	4.1	990
11	Excitation Energy Trapping and Dissipation by Ni-Substituted Bacteriochlorophyll <i>a</i> in Reconstituted LH1 Complexes from Rhodospirillum rubrum. Journal of Physical Chemistry B, 2013, 117, 11260-11271.	2.6	8
12	The dynamics of the non-heme iron in bacterial reaction centers from Rhodobacter sphaeroides. Biochimica Et Biophysica Acta - Bioenergetics, 2012, 1817, 2095-2102.	1.0	7
13	Controlling Structural and Functional Features of Photosynthetic Antenna. Acta Physica Polonica A, 2012, 122, 255-258.	0.5	1
14	Antioxidant effects of carotenoids in a model pigment-protein complex.. Acta Biochimica Polonica, 2012, 59, .	0.5	17
15	Antioxidant effects of carotenoids in a model pigment-protein complex. Acta Biochimica Polonica, 2012, 59, 61-4.	0.5	8
16	Influence of Cd ²⁺ on the spin state of non-heme iron and on protein local motions in reactions centers from purple photosynthetic bacterium Rhodospirillum rubrum. Journal of Physics: Conference Series, 2010, 217, 012021.	0.4	2
17	Coupling of collective motions of the protein matrix to vibrations of the non-heme iron in bacterial photosynthetic reaction centers. Biochimica Et Biophysica Acta - Bioenergetics, 2010, 1797, 1696-1704.	1.0	7
18	Tuning the Thermodynamics of Association of Transmembrane Helices. Journal of Physical Chemistry B, 2009, 113, 12831-12838.	2.6	24

#	ARTICLE	IF	CITATIONS
19	Cyclic endoperoxides of $\hat{\text{I}}^2$ -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
20	Photodynamics of the Bacteriochlorophyll- $\hat{\text{C}}$ -Carotenoid System. 2. Influence of Central Metal, Solvent and $\hat{\text{I}}^2$ -Carotene on Photobleaching of Bacteriochlorophyll Derivatives. <i>Photochemistry and Photobiology</i> , 2002, 76, 145.	2.5	50
21	Photodynamics of the Bacteriochlorophyll-Carotenoid System. 2. Influence of Central Metal, Solvent and $\hat{\text{I}}^2$ -Carotene on Photobleaching of Bacteriochlorophyll Derivatives. <i>Photochemistry and Photobiology</i> , 2002, 76, 145-152.	2.5	2
22	Photodynamics of the Bacteriochlorophyll- $\hat{\text{C}}$ -Carotenoid System. 1. Bacteriochlorophyll-photosensitized Oxygenation of $\hat{\text{I}}^2$ -Carotene in Acetone. <i>Photochemistry and Photobiology</i> , 2001, 74, 64.	2.5	38