Agnieszka Mostowska

List of Publications by Year
in descending order

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30 papers	618 citations	623574 14 h-index	610775 24 g-index
32 all docs	32 docs citations	32 times ranked	691 citing authors

#	Article	IF	Citations
1	Too rigid to fold: Carotenoid-dependent decrease in thylakoid fluidity hampers the formation of chloroplast grana. Plant Physiology, 2021, 185, 210-227.	2.3	10
2	Compensation Mechanism of the Photosynthetic Apparatus in Arabidopsis thaliana ch1 Mutants. International Journal of Molecular Sciences, 2021, 22, 221.	1.8	7
3	How to Measure Grana â€“ Ultrastructural Features of Thylakoid Membranes of Plant Chloroplasts. Frontiers in Plant Science, 2021, 12, 756009.	1.7	13
4	Spatial Nano-Morphology of the Prolamellar Body in Etiolated Arabidopsis thaliana Plants With Disturbed Pigment and Polyprenol Composition. Frontiers in Cell and Developmental Biology, 2020, 8, 586628.	1.8	19
5	Specific Composition of Lipid Phases Allows Retaining an Optimal Thylakoid Membrane Fluidity in Plant Response to Low-Temperature Treatment. Frontiers in Plant Science, 2020, 11, 723.	1.7	15
6	Galactolipid deficiency disturbs spatial arrangement of the thylakoid network in Arabidopsis thaliana plants. Journal of Experimental Botany, 2019, 70, 4689-4704.	2.4	22
7	Spatial organization of thylakoid network in higher plants. Botany Letters, 2019, 166, 326-343.	0.7	22
8	Dark-chilling and subsequent photo-activation modulate expression and induce reversible association of chloroplast lipoxygenase with thylakoid membrane in runner bean (Phaseolus coccineus L.). Plant Physiology and Biochemistry, 2018, 122, 102-112.	2.8	9
9	Dark-chilling induces substantial structural changes and modifies galactolipid and carotenoid composition during chloroplast biogenesis in cucumber (Cucumis sativus L.) cotyledons. Plant Physiology and Biochemistry, 2017, 111, 107-118.	2.8	37
10	Overlapping toxic effect of long term thallium exposure on white mustard (Sinapis alba L.) photosynthetic activity. BMC Plant Biology, 2016, 16, 191.	1.6	30
11	Three-Dimensional Visualization of the Tubular-Lamellar Transformation of the Internal Plastid Membrane Network during Runner Bean Chloroplast Biogenesis. Plant Cell, 2016, 28, 875-891.	3.1	96
12	Biogenesis of Thylakoid Membranes: Correlation of Structure and Function. Books in Soils, Plants, and the Environment, 2016, , 3-15.	0.1	2
13	Pollen and sperm nuclei development in rye. Acta Societatis Botanicorum Poloniae, 2015, 46, 449-457.	0.8	1
14	Characterization of non-polar lipids in plastoglobules isolated from plants with different response to chilling stress. Biochimica Et Biophysica Acta - Bioenergetics, 2014, 1837, e125.	0.5	0
15	Stereometrical analysis of number and size of prolamellar bodies during pea chloroplast development. Acta Societatis Botanicorum Poloniae, 2014, 54, 53-63.	0.8	3
16	Application of the comet assay in studies of programmed cell death (PCD) in plants. Acta Societatis Botanicorum Poloniae, 2014, 69, 101-107.	0.8	14
17	Chloroplast Structure under High Light Conditions. Advanced Topics in Science and Technology in China, 2013, , 544-547.	0.0	0
18	Correlation between spatial (3D) structure of pea and bean thylakoid membranes and arrangement of chlorophyll-protein complexes. BMC Plant Biology, 2012, 12, 72.	1.6	26

#	Article	IF	Citations
19	Chloroplast biogenesis â€” Correlation between structure and function. Biochimica Et Biophysica Acta - Bioenergetics, 2012, 1817, 1380-1387.	0.5	44
20	3-D modelling of chloroplast structure under (Mg2+) magnesium ion treatment. Relationship between thylakoid membrane arrangement and stacking. Biochimica Et Biophysica Acta - Bioenergetics, 2010, 1797, 1736-1748.	0.5	39
21	Aspects of programmed cell death during early senescence of barley leaves: possible role of nitric oxide. Protoplasma, 2007, 232, 97-108.	1.0	18
22	Contrasting effect of dark-chilling on chloroplast structure and arrangement of chlorophyllâ€"protein complexes in pea and tomato: plants with a different susceptibility to non-freezing temperature. Planta, 2007, 226, 1165-1181.	1.6	56
23	Light-dependent reversal of dark-chilling induced changes in chloroplast structure and arrangement of chlorophyllâ€"protein complexes in bean thylakoid membranes. Biochimica Et Biophysica Acta - Bioenergetics, 2005, 1710, 13-23.	0.5	33
24	Ultrastructure of Mesophyll Cells and Pigment Content in Senescing Leaves of Maize and Barley. Journal of Plant Growth Regulation, 2003, 22, 217-227.	2.8	36
25	Response Of Chloroplast Structure To Photodynamic Herbicides And High Oxygen. Zeitschrift Fur Naturforschung - Section C Journal of Biosciences, 1999, 54, 621-628.	0.6	4
26	Effect of 1.10-phenanthroline, a photodynamic herbicide on the development and structure of maize chloroplasts. Acta Physiologiae Plantarum, 1998, 20, 419-424.	1.0	4
27	Influence of 1,10-phenanthroline, a photodynamic herbicide, on the ultrastructure of mesophyll cells and photosynthetic activity in greening pea seedlings. Environmental and Experimental Botany, 1991, 31, 385-395.	2.0	4
28	Effect of 1,10-phenanthroline on ultrastructure of pea leaves. Protoplasma, 1991, 161, 23-30.	1.0	7
29	The greening process in cress seedlings. I. Pigment accumulation and ultrastructure after application of 5-aminolevulinate and complexing agents. Physiologia Plantarum, 1991, 81, 139-147.	2.6	39
30	Thylakoid and grana formation during the development of pea chloroplasts, illuminated by white, red, and blue low intensity light. Protoplasma, 1986, 134, 88-94.	1.0	8