Agnieszka Mostowska

List of Publications by Year
in descending order

30 papers	618 citations	623699 14 h-index	610883 24 g-index
32 all docs	32 docs citations	32 times ranked	691 citing authors

#	Article	IF	Citations
1	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.	6.6	96
2	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.	3.2	56
3	Chloroplast biogenesis â€" Correlation between structure and function. Biochimica Et Biophysica Acta - Bioenergetics, 2012, 1817, 1380-1387.	1.0	44
4	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.	5.2	39
5	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.	1.0	39
6	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.	5.8	37
7	Ultrastructure of Mesophyll Cells and Pigment Content in Senescing Leaves of Maize and Barley. Journal of Plant Growth Regulation, 2003, 22, 217-227.	5.1	36
8	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.	1.0	33
9	Overlapping toxic effect of long term thallium exposure on white mustard (Sinapis alba L.) photosynthetic activity. BMC Plant Biology, 2016, 16, 191.	3.6	30
10	Correlation between spatial (3D) structure of pea and bean thylakoid membranes and arrangement of chlorophyll-protein complexes. BMC Plant Biology, 2012, 12, 72.	3.6	26
11	Galactolipid deficiency disturbs spatial arrangement of the thylakoid network in Arabidopsis thaliana plants. Journal of Experimental Botany, 2019, 70, 4689-4704.	4.8	22
12	Spatial organization of thylakoid network in higher plants. Botany Letters, 2019, 166, 326-343.	1.4	22
13	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.	3.7	19
14	Aspects of programmed cell death during early senescence of barley leaves: possible role of nitric oxide. Protoplasma, 2007, 232, 97-108.	2.1	18
15	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.	3.6	15
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	How to Measure Grana â€" Ultrastructural Features of Thylakoid Membranes of Plant Chloroplasts. Frontiers in Plant Science, 2021, 12, 756009.	3.6	13
18	Too rigid to fold: Carotenoid-dependent decrease in thylakoid fluidity hampers the formation of chloroplast grana. Plant Physiology, 2021, 185, 210-227.	4.8	10

#	Article	IF	Citations
19	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.	5.8	9
20	Thylakoid and grana formation during the development of pea chloroplasts, illuminated by white, red, and blue low intensity light. Protoplasma, 1986, 134, 88-94.	2.1	8
21	Effect of 1,10-phenanthroline on ultrastructure of pea leaves. Protoplasma, 1991, 161, 23-30.	2.1	7
22	Compensation Mechanism of the Photosynthetic Apparatus in Arabidopsis thaliana ch1 Mutants. International Journal of Molecular Sciences, 2021, 22, 221.	4.1	7
23	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.	4.2	4
24	Effect of 1.10-phenanthroline, a photodynamic herbicide on the development and structure of maize chloroplasts. Acta Physiologiae Plantarum, 1998, 20, 419-424.	2.1	4
25	Response Of Chloroplast Structure To Photodynamic Herbicides And High Oxygen. Zeitschrift Fur Naturforschung - Section C Journal of Biosciences, 1999, 54, 621-628.	1.4	4
26	Stereometrical analysis of number and size of prolamellar bodies during pea chloroplast development. Acta Societatis Botanicorum Poloniae, 2014, 54, 53-63.	0.8	3
27	Biogenesis of Thylakoid Membranes: Correlation of Structure and Function. Books in Soils, Plants, and the Environment, 2016, , 3-15.	0.1	2
28	Pollen and sperm nuclei development in rye. Acta Societatis Botanicorum Poloniae, 2015, 46, 449-457.	0.8	1
29	Characterization of non-polar lipids in plastoglobules isolated from plants with different response to chilling stress. Biochimica Et Biophysica Acta - Bioenergetics, 2014, 1837, e125.	1.0	0
30	Chloroplast Structure under High Light Conditions. Advanced Topics in Science and Technology in China, 2013, , 544-547.	0.1	0