

Przemysław Malec

List of Publications by Year in descending order

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Version: 2024-02-01

48
papers

1,320
citations

394421

19
h-index

361022

35
g-index

52
all docs

52
docs citations

52
times ranked

1765
citing authors

#	ARTICLE	IF	CITATIONS
1	Physiological responses of <i>Lemna trisulca</i> L. (duckweed) to cadmium and copper bioaccumulation. <i>Plant Science</i> , 2001, 161, 881-889.	3.6	264
2	Phosphatidylglycerol Is Essential for Oligomerization of Photosystem I Reaction Center. <i>Plant Physiology</i> , 2004, 134, 1471-1478.	4.8	107
3	<i>Arabidopsis FUSCA5</i> Encodes a Novel Phosphoprotein That Is a Component of the COP9 Complex. <i>Plant Cell</i> , 1999, 11, 839-848.	6.6	72
4	Involvement of Carotenoids in the Synthesis and Assembly of Protein Subunits of Photosynthetic Reaction Centers of <i>Synechocystis</i> sp. PCC 6803. <i>Plant and Cell Physiology</i> , 2010, 51, 823-835.	3.1	66
5	Increased genetic diversity of <i>Viola tricolor</i> L. (Violaceae) in metal-polluted environments. <i>Chemosphere</i> , 2011, 83, 435-442.	8.2	64
6	Zinc protects <i>Ceratophyllum demersum</i> L. (free-floating hydrophyte) against reactive oxygen species induced by cadmium. <i>Journal of Trace Elements in Medicine and Biology</i> , 2009, 23, 50-60.	3.0	62
7	Light-induced chloroplast movements in <i>Lemna trisulca</i> . Identification of the motile system. <i>Plant Science</i> , 1996, 120, 127-137.	3.6	50
8	The cell-wall glycoproteins of the green alga <i>Scenedesmus obliquus</i> . The predominant cell-wall polypeptide of <i>Scenedesmus obliquus</i> is related to the cell-wall glycoprotein gp3 of <i>Chlamydomonas reinhardtii</i> . <i>Plant Science</i> , 2014, 215-216, 39-47.	3.6	47
9	Ecophysiological tolerance of <i>Elodea canadensis</i> to nickel exposure. <i>Chemosphere</i> , 2009, 77, 392-398.	8.2	44
10	Elevated Growth Temperature Can Enhance Photosystem I Trimer Formation and Affects Xanthophyll Biosynthesis in Cyanobacterium <i>Synechocystis</i> sp. PCC6803 Cells. <i>Plant and Cell Physiology</i> , 2015, 56, 558-571.	3.1	39
11	Identification and characterization of Cd-induced peptides in <i>Egeria densa</i> (water weed): Putative role in Cd detoxification. <i>Aquatic Toxicology</i> , 2009, 95, 213-221.	4.0	33
12	Responses of <i>Lemna trisulca</i> L. (Duckweed) exposed to low doses of cadmium: thiols, metal binding complexes, and photosynthetic pigments as sensitive biomarkers of ecotoxicity. <i>Protoplasma</i> , 2010, 240, 69-74.	2.1	33
13	Immunolocalization of cyclotides in plant cells, tissues and organ supports their role in host defense. <i>Planta</i> , 2016, 244, 1029-1040.	3.2	30
14	Formaldehyde and methanol biodegradation with the methylotrophic yeast <i>Hansenula polymorpha</i> . An application to real wastewater treatment. <i>Biodegradation</i> , 2001, 12, 169-177.	3.0	27
15	Effect of the exogenous anthocyanin extract on key metabolic pathways and antioxidant status of Brazilian elodea (<i>Egeria densa</i> (Planch.) Casp.) exposed to cadmium and manganese. <i>Ecotoxicology and Environmental Safety</i> , 2018, 160, 197-206.	6.0	27
16	High expression of SOMATIC EMBRYOGENESIS RECEPTOR-LIKE KINASE coincides with initiation of various developmental pathways in in vitro culture of <i>Trifolium nigrescens</i> . <i>Protoplasma</i> , 2016, 253, 345-355.	2.1	26
17	Zeaxanthin and echinenone modify the structure of photosystem I trimer in <i>Synechocystis</i> sp. PCC 6803. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2017, 1858, 510-518.	1.0	26
18	Newly isolated strain of <i>Trichoderma asperellum</i> from disease suppressive soil is a potential bio-control agent to suppress <i>Fusarium</i> soil borne fungal phytopathogens. <i>Journal of Plant Pathology</i> , 2021, 103, 549-561.	1.2	26

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19	Effect of growth temperature on biosynthesis and accumulation of carotenoids in cyanobacterium <i>Anabaena</i> sp. PCC 7120 under diazotrophic conditions. <i>Microbiological Research</i> , 2019, 226, 34-40.	5.3	23
20	<i>Arabidopsis</i> BPG2: a phytochrome-regulated gene whose protein product binds to plastid ribosomal RNAs. <i>Planta</i> , 2012, 236, 677-690.	3.2	22
21	Phosphatidylglycerol Depletion Induces an Increase in Myxoxanthophyll Biosynthetic Activity in <i>Synechocystis</i> PCC6803 Cells. <i>Plant and Cell Physiology</i> , 2008, 50, 374-382.	3.1	19
22	Effect of copper on pro- and antioxidative reactions in radish (<i>Raphanus sativus</i> L.) in vitro and in vivo. <i>Journal of Trace Elements in Medicine and Biology</i> , 2014, 28, 80-86.	3.0	18
23	Identification of a Light-regulated Protein Kinase Activity from Seedlings of <i>Arabidopsis thaliana</i> . <i>Photochemistry and Photobiology</i> , 2002, 75, 178.	2.5	17
24	The effect of a consortium of <i>Penicillium</i> sp. and <i>Bacillus</i> spp. in suppressing banana fungal diseases caused by <i>Fusarium</i> sp. and <i>Alternaria</i> sp.. <i>Journal of Applied Microbiology</i> , 2021, 131, 1890-1908.	3.1	17
25	Blue Light-induced Chloroplast Reorientations in <i>Lemna trisulca</i> L. (Duckweed) are Controlled by Two Separable Cellular Mechanisms as Suggested by Different Sensitivity to Wortmannin. <i>Photochemistry and Photobiology</i> , 2004, 79, 343.	2.5	17
26	Copper Toxicity in Leaves of <i>Elodea canadensis</i> Michx.. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2009, 82, 627-632.	2.7	15
27	Fast and efficient cadmium biosorption by <i>Chlorella vulgaris</i> K-01 strain: The role of cell walls in metal sequestration. <i>Algal Research</i> , 2021, 60, 102497.	4.6	12
28	Two isoforms of ferredoxin:NADP+ oxidoreductase from wheat leaves: purification and initial biochemical characterization. <i>Photosynthesis Research</i> , 2008, 96, 99-112.	2.9	11
29	Lead accumulation and distribution in maize seedlings: Relevance to biomass production and metal phytoextraction. <i>International Journal of Phytoremediation</i> , 2017, 19, 1059-1064.	3.1	10
30	Cyanophage infections reduce photosynthetic activity and expression of CO ₂ fixation genes in the freshwater bloom-forming cyanobacterium <i>Aphanizomenon flos-aquae</i> . <i>Harmful Algae</i> , 2022, 116, 102215.	4.8	10
31	Kinetic Modelling of Chloroplast Phototranslocations in <i>Lemna trisulca</i> L.: Two Rate Limiting Components?. <i>Journal of Theoretical Biology</i> , 1994, 169, 189-195.	1.7	9
32	Acclimation and Characterization of Marine Cyanobacterial Strains <i>Euryhalinema</i> and <i>Desertifilum</i> for C-Phycocyanin Production. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 752024.	4.1	8
33	Characterization and Purification of Kinase Activities against <i>Arabidopsis</i> COP9 Signalosome Subunit 7. <i>Israel Journal of Chemistry</i> , 2006, 46, 239-246.	2.3	7
34	Photosystem I oligomerization affects lipid composition in <i>Synechocystis</i> sp. PCC 6803. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2019, 1864, 1384-1395.	2.4	7
35	Trimeric organization of photosystem I is required to maintain the balanced photosynthetic electron flow in cyanobacterium <i>Synechocystis</i> sp. PCC 6803. <i>Photosynthesis Research</i> , 2020, 143, 251-262.	2.9	7
36	EPR study of thylakoid membrane dynamics in mutants of the carotenoid biosynthesis pathway of <i>Synechocystis</i> sp. PCC6803.. <i>Acta Biochimica Polonica</i> , 2012, 59, .	0.5	7

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37	Interaction between phytochrome and the blue light photoreceptor system in <i>Mougeotia</i> : Temperature dependence. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 1997, 38, 35-39.	3.8	6
38	Kinetics of nickel bioaccumulation and its relevance to selected cellular processes in leaves of <i>Elodea canadensis</i> during short-term exposure. <i>Protoplasma</i> , 2016, 253, 543-551.	2.1	6
39	Characterisation of flour by means of pattern recognition methods. <i>Food Chemistry</i> , 1995, 53, 295-298.	8.2	4
40	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
41	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
42	Blue Light-Induced Chloroplast Reorientations in <i>Lemna trisulca</i> L. (Duckweed) are Controlled by Two Separable Cellular Mechanisms as Suggested by Different Sensitivity to Wortmannin. <i>Photochemistry and Photobiology</i> , 2004, 79, 343-348.	2.5	2
43	<i>Arabidopsis</i> Cyclin-Dependent Kinase Gene <i>CDKG;2</i> is Involved in Organogenic Responses Induced in Vitro. <i>Acta Biologica Cracoviensia Series Botanica</i> , 2013, 55, .	0.5	2
44	Effect of ammonium on growth and photosynthetic activity in selected microalgal strains dedicated for treatment of effluents from anaerobic fermentation. <i>New Biotechnology</i> , 2016, 33, S136.	4.4	1
45	Microbial consortia for treatment of anaerobic sludge digester supernatants generated by a laboratory model fermentation system. <i>New Biotechnology</i> , 2016, 33, S138.	4.4	1
46	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
47	Zastosowanie konsorcjów mikrobiologicznych do biologicznego oczyszczania ścieków w pofermentacyjnych po biometanizacji osadów ściekowych i gnojowicy wiąskiej. <i>Przemysł Chemiczny</i> , 2018, 1, 191-196.	0.0	0
48	Mikroglony jako czynnik inicjujący oczyszczanie odcieku pofermentacyjnego, powstającego przy produkcji biogazu. <i>Przemysł Chemiczny</i> , 2018, 1, 132-135.	0.0	0