

Dariusz Dziga

List of Publications by Year in descending order

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docs citations

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#	ARTICLE	IF	CITATIONS
1	Microbial Degradation of Microcystins. <i>Chemical Research in Toxicology</i> , 2013, 26, 841-852.	3.3	114
2	First report of the cyanobacterial toxin cylindrospermopsin in the shallow, eutrophic lakes of western Poland. <i>Chemosphere</i> , 2009, 74, 669-675.	8.2	66
3	Heterologous expression and characterisation of microcystinase. <i>Toxicon</i> , 2012, 59, 578-586.	1.6	51
4	The alteration of <i>Microcystis aeruginosa</i> biomass and dissolved microcystin-LR concentration following exposure to plant-producing phenols. <i>Environmental Toxicology</i> , 2007, 22, 341-346.	4.0	43
5	The biodegradation of microcystins in temperate freshwater bodies with previous cyanobacterial history. <i>Ecotoxicology and Environmental Safety</i> , 2017, 145, 420-430.	6.0	41
6	Characterization of microcystin-LR removal process in the presence of probiotic bacteria. <i>Toxicon</i> , 2012, 59, 171-181.	1.6	40
7	Characterization of Enzymatic Activity of MlrB and MlrC Proteins Involved in Bacterial Degradation of Cyanotoxins Microcystins. <i>Toxins</i> , 2016, 8, 76.	3.4	36
8	Verification of the Role of MlrC in Microcystin Biodegradation by Studies Using a Heterologously Expressed Enzyme. <i>Chemical Research in Toxicology</i> , 2012, 25, 1192-1194.	3.3	32
9	Heterologous expression of mlrA in a photoautotrophic host – Engineering cyanobacteria to degrade microcystins. <i>Environmental Pollution</i> , 2018, 237, 926-935.	7.5	28
10	Bioreactor Study Employing Bacteria with Enhanced Activity toward Cyanobacterial Toxins Microcystins. <i>Toxins</i> , 2014, 6, 2379-2392.	3.4	27
11	Microcystin-LR affects properties of human epidermal skin cells crucial for regenerative processes. <i>Toxicon</i> , 2014, 80, 38-46.	1.6	27
12	Carbohydrate and free amino acid contents in tomato plants grown in media with bicarbonate and nitrate or ammonium. <i>Acta Physiologiae Plantarum</i> , 2005, 27, 523-529.	2.1	24
13	Cylindrospermopsin Biodegradation Abilities of <i>Aeromonas</i> sp. Isolated from RusaÅka Lake. <i>Toxins</i> , 2016, 8, 55.	3.4	24
14	All You Need Is Light. Photorepair of UV-Induced Pyrimidine Dimers. <i>Genes</i> , 2020, 11, 1304.	2.4	24
15	Correlation between specific groups of heterotrophic bacteria and microcystin biodegradation in freshwater bodies of central Europe. <i>FEMS Microbiology Ecology</i> , 2019, 95, .	2.7	18
16	Microcystinase – a review of the natural occurrence, heterologous expression, and biotechnological application of MlrA. <i>Water Research</i> , 2021, 189, 116646.	11.3	18
17	The Effect of a Combined Hydrogen Peroxide-MlrA Treatment on the Phytoplankton Community and Microcystin Concentrations in a Mesocosm Experiment in Lake LudoÅ. <i>Toxins</i> , 2019, 11, 725.	3.4	15
18	Combined treatment of toxic cyanobacteria & <i>Microcystis aeruginosa</i> with hydrogen peroxide and microcystin biodegradation agents results in quick toxins elimination. <i>Acta Biochimica Polonica</i> , 2018, 65, 133-140.	0.5	14

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19	The Dark Side of UV-Induced DNA Lesion Repair. <i>Genes</i> , 2020, 11, 1450.	2.4	13
20	Different Gene Expression Response of Polish and Australian <i>Raphidiopsis raciborskii</i> Strains to the Chill/Light Stress. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 5437.	2.5	11
21	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
22	Occurrence of a single-species cyanobacterial bloom in a lake in Cyprus: monitoring and treatment with hydrogen peroxide-releasing granules. <i>Environmental Sciences Europe</i> , 2021, 33, .	5.5	9
23	Genetically Engineered Bacteria Immobilized in Alginate as an Option of Cyanotoxins Removal. <i>International Journal of Environmental Science and Development</i> , 2013, , 360-364.	0.6	9
24	Fruit Yield of Tomato Cultivated on Media with Bicarbonate and Nitrate/Ammonium as the Nitrogen Source. <i>Journal of Plant Nutrition</i> , 2007, 30, 149-161.	1.9	6
25	Wheat straw degradation and production of alternative substrates for nitrogenase of <i>Rhodobacter sphaeroides</i> . <i>Acta Biochimica Polonica</i> , 2015, 62, 395-400.	0.5	5
26	Biochemical and Morphological Alterations in Rat Liver Golgi Complexes After Treatment with Bis(maltolato)oxovanadium(IV) [BMOV] or Maltol Alone. <i>Pathology Research and Practice</i> , 2000, 196, 561-568.	2.3	4
27	EXTRACELLULAR ENZYMES OF THE <i>MICROCYSTIS AERUGINOSA</i> PCC 7813 STRAIN ARE INHIBITED IN THE PRESENCE OF HYDROQUINONE AND PYROGALLOL, ALLELOCHEMICALS PRODUCED BY AQUATIC PLANTS. <i>Journal of Phycology</i> , 2009, 45, 1299-1303.	2.3	4
28	<i>Arabidopsis</i> Phototropins Participate in the Regulation of Dark-Induced Leaf Senescence. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1836.	4.1	4
29	Are Bacterio- and Phytoplankton Community Compositions Related in Lakes Differing in Their Cyanobacteria Contribution and Physico-Chemical Properties?. <i>Genes</i> , 2021, 12, 855.	2.4	3