

Danas Baniulis

List of Publications by Year in descending order

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Version: 2024-02-01

58
papers

1,488
citations

361413

20
h-index

330143

37
g-index

60
all docs

60
docs citations

60
times ranked

1812
citing authors

#	ARTICLE	IF	CITATIONS
1	Bacterial endophytes in agricultural crops and their role in stress tolerance: a review. Zemdirbyste, 2015, 102, 465-478.	0.8	185
2	Structure-Function of the Cytochrome <i>b₆f</i> Complex. Photochemistry and Photobiology, 2008, 84, 1349-1358.	2.5	145
3	Structure-Function, Stability, and Chemical Modification of the Cyanobacterial Cytochrome <i>b₆f</i> Complex from <i>Nostoc</i> sp. PCC 7120. Journal of Biological Chemistry, 2009, 284, 9861-9869.	3.4	96
4	Treatment of Common Sunflower (<i>Helianthus annuus</i> L.) Seeds with Radio-frequency Electromagnetic Field and Cold Plasma Induces Changes in Seed Phytohormone Balance, Seedling Development and Leaf Protein Expression. Scientific Reports, 2019, 9, 6437.	3.3	93
5	Post-translational Modifications of Integral Membrane Proteins Resolved by Top-down Fourier Transform Mass Spectrometry with Collisionally Activated Dissociation. Molecular and Cellular Proteomics, 2010, 9, 791-803.	3.8	86
6	Quinone-dependent proton transfer pathways in the photosynthetic cytochrome <i>b₆f</i> complex. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 4297-4302.	7.1	84
7	Protocol: Optimised methodology for isolation of nuclei from leaves of species in the Solanaceae and Rosaceae families. Plant Methods, 2013, 9, 31.	4.3	69
8	Mechanism of Enhanced Superoxide Production in the Cytochrome <i>b₆f</i> Complex of Oxygenic Photosynthesis. Biochemistry, 2013, 52, 8975-8983.	2.5	57
9	Breeding Trends of Fruit and Vegetable Crops for Organic Production in Lithuania. Horticulturae, 2017, 3, 1.	2.8	57
10	Site-Specific Inhibitors of NADPH Oxidase Activity and Structural Probes of Flavocytochrome <i>b₆f</i> : Characterization of Six Monoclonal Antibodies to the p22 ^{phox} Subunit. Journal of Immunology, 2004, 173, 7349-7357.	0.8	55
11	Endophytic <i>Bacillus</i> and <i>Pseudomonas</i> spp. Modulate Apple Shoot Growth, Cellular Redox Balance, and Protein Expression Under in Vitro Conditions. Frontiers in Plant Science, 2018, 9, 889.	3.6	49
12	Ten Years of VINQUEST: First Insight for Breeding New Apple Cultivars With Durable Apple Scab Resistance. Plant Disease, 2020, 104, 2074-2081.	1.4	44
13	Functional Epitope on Human Neutrophil Flavocytochrome <i>b₅₅₈</i> . Journal of Immunology, 2003, 170, 6082-6089.	0.8	38
14	Biochemical and Physiological Plant Processes Affected by Seed Treatment with Non-Thermal Plasma. Plants, 2022, 11, 856.	3.5	32
15	Plant growth promoting and antagonistic properties of endophytic bacteria isolated from domestic apple. Zemdirbyste, 2016, 103, 77-82.	0.8	28
16	EPR Detection of an O ₂ Surrogate Bound to Heme <i>c_n</i> of the Cytochrome <i>b₆f</i> Complex. Journal of the American Chemical Society, 2009, 131, 12536-12537.	13.7	27
17	Anionic amphiphile and phospholipid-induced conformational changes in human neutrophil flavocytochrome <i>b</i> observed by fluorescence resonance energy transfer. Biochimica Et Biophysica Acta - Biomembranes, 2004, 1663, 201-213.	2.6	24
18	Purification and Crystallization of the Cyanobacterial Cytochrome <i>b₆f</i> Complex. Methods in Molecular Biology, 2011, 684, 65-77.	0.9	24

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19	On the Structural Role of the Aromatic Residue Environment of the Chlorophyll <i>a</i> in the Cytochrome <i>b₆</i> Complex. <i>Biochemistry</i> , 2008, 47, 3654-3661.	2.5	21
20	Analysis of Human Phagocyte Flavocytochrome b558 by Mass Spectrometry. <i>Journal of Biological Chemistry</i> , 2006, 281, 37045-37056.	3.4	20
21	Characterization of apple NADPH oxidase genes and their expression associated with oxidative stress in shoot culture in vitro. <i>Plant Cell, Tissue and Organ Culture</i> , 2016, 124, 621-633.	2.3	20
22	Cold Plasma Treatment of Sunflower Seeds Modulates Plant-Associated Microbiome and Stimulates Root and Lateral Organ Growth. <i>Frontiers in Plant Science</i> , 2020, 11, 568924.	3.6	20
23	Development of the Northern European <i>Ribes</i> core collection based on a microsatellite (SSR) marker diversity analysis. <i>Plant Genetic Resources: Characterisation and Utilisation</i> , 2012, 10, 70-73.	0.8	18
24	Identification of a Spectrally Stable Proteolytic Fragment of Human Neutrophil Flavocytochrome b Composed of the NH2-terminal Regions of gp91 and p22. <i>Journal of Biological Chemistry</i> , 2001, 276, 38852-38861.	3.4	16
25	Single-step immunoaffinity purification and characterization of dodecylmaltoside-solubilized human neutrophil flavocytochrome b. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2003, 1612, 65-75.	2.6	16
26	Characterising the genetic diversity of Lithuanian sweet cherry (<i>Prunus avium</i> L.) cultivars using SSR markers. <i>Scientia Horticulturae</i> , 2012, 142, 136-142.	3.6	16
27	Evaluation of two anti-gp91phox antibodies as immunoprobes for Nox family proteins: mAb 54.1 recognizes recombinant full-length Nox2, Nox3 and the C-terminal domains of Nox1-4 and cross-reacts with GRP 58. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2005, 1752, 186-196.	2.3	15
28	Patterns of low temperature induced accumulation of dehydrins in Rosaceae crops—Evidence for post-translational modification in apple. <i>Journal of Plant Physiology</i> , 2017, 218, 175-181.	3.5	14
29	Cold plasma treatment of <i>Arabidopsis thaliana</i> (L.) seeds modulates plant-associated microbiome composition. <i>Applied Physics Express</i> , 2020, 13, 076001.	2.4	13
30	Cytochrome b ₆ f Complex, Colon Structure, Spectroscopy, and Function of Heme c:n-Side Electron and Proton Transfer Reactions. , 0, , 155-179.		12
31	Genetic background of resistance to gall mite in <i>Ribes</i> species. <i>Agricultural and Food Science</i> , 2017, 26, .	0.9	10
32	Identification of <i>Echinacea Purpurea</i> (L.) Moench Root LysM Lectin with Nephrotoxic Properties. <i>Toxins</i> , 2020, 12, 88.	3.4	9
33	Membrane proteins in four acts: Function precedes structure determination. <i>Methods</i> , 2011, 55, 415-420.	3.8	8
34	SSR analysis based on molecular characterisation of apple germplasm in Lithuania. <i>Zemdirbyste</i> , 2019, 106, 159-166.	0.8	8
35	Cold acclimation efficiency of different <i>Prunus</i> and <i>Fragaria</i> species and cultivars in vitro. <i>Zemdirbyste</i> , 2016, 103, 207-214.	0.8	7
36	Application of multiplexed cysteine-labeled complex protein sample for 2D electrophoretic gel alignment. <i>Proteomics</i> , 2015, 15, 1777-1780.	2.2	6

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37	Monoclonal antibody CL5 recognizes the amino terminal domain of human phagocyte flavocytochrome b558 large subunit, gp91phox. <i>European Journal of Haematology</i> , 2005, 74, 337-347.	2.2	5
38	Exploring Diversity of Bacterial Endophyte Communities Using Advanced Sequencing Technology. , 2019, , 447-481.		5
39	MORPHOLOGICAL TRAITS IN RIBES NIGRUM POLYPLOIDS. <i>Acta Horticulturae</i> , 2007, , 405-408.	0.2	4
40	Constitutive and Cold Acclimation-Regulated Protein Expression Profiles of Scots Pine Seedlings Reveal Potential for Adaptive Capacity of Geographically Distant Populations. <i>Forests</i> , 2020, 11, 89.	2.1	4
41	Stimulation of <i>Nicotiana tabacum</i> L. In Vitro Shoot Growth by Endophytic <i>Bacillus cereus</i> Group Bacteria. <i>Microorganisms</i> , 2021, 9, 1893.	3.6	4
42	Unusual polyclonal anti-gp91phox peptide antibody interactions with X-linked chronic granulomatous disease-derived human neutrophils are not from compensatory expression of Nox proteins 1, 3, or 4. <i>European Journal of Haematology</i> , 2005, 74, 241-249.	2.2	3
43	Methods for Studying Interactions of Detergents and Lipids with α -Helical and β -Barrel Integral Membrane Proteins. <i>Current Protocols in Protein Science</i> , 2013, 74, 29.7.1-29.7.30.	2.8	3
44	APPLICATION OF P GENE DONORS IN BREEDING OF BLACKCURRANT RESISTANT TO GALL MITE. <i>Acta Horticulturae</i> , 2013, , 523-527.	0.2	3
45	Enduring Effect of Antibiotic Timentin Treatment on Tobacco In Vitro Shoot Growth and Microbiome Diversity. <i>Plants</i> , 2022, 11, 832.	3.5	3
46	CHARACTERISATION OF GENETIC DIVERSITY OF THE LITHUANIAN SOUR CHERRY (<i>PRUNUS CERASUS</i> L.) GENETIC RESOURCES USING MICROSATELLITE MARKERS. <i>Acta Horticulturae</i> , 2015, , 105-108.	0.2	2
47	Mechanisms of Superoxide Generation and Signaling in Cytochrome bc Complexes. <i>Advances in Photosynthesis and Respiration</i> , 2016, , 397-417.	1.0	2
48	STUDY OF NEW APPLE SELECTIONS IN LITHUANIA. <i>Acta Horticulturae</i> , 2015, , 719-725.	0.2	2
49	Development of Climate-Resilient Varieties in Rosaceous Berries. , 2020, , 333-384.		2
50	CHARACTERIZATION OF PEAR (<i>PYRUS COMMUNIS</i>) CULTIVARS FROM LITHUANIA USING MICROSATELLITE MARKERS. <i>Acta Horticulturae</i> , 2013, , 257-263.	0.2	1
51	Effect of endophytic bacteria isolates on growth and oxidative stress injury of transgenic tobacco shoots in vitro. <i>Zemdirbyste</i> , 2022, 109, 165-170.	0.8	1
52	Enhanced Carbonylation of Photosynthetic and Glycolytic Proteins in Antibiotic Timentin-Treated Tobacco In Vitro Shoot Culture. <i>Plants</i> , 2022, 11, 1572.	3.5	1
53	CHARACTERIZATION OF SCAB RESISTANT LITHUANIAN APPLE CULTIVARS. <i>Acta Horticulturae</i> , 2007, , 507-511.	0.2	0
54	An Anhydrous Proton Transfer Pathway in the Cytochrome B6F Complex. <i>Biophysical Journal</i> , 2013, 104, 488a.	0.5	0

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55	Increased Superoxide Production in the Cytochrome B6F Complex: A Function for the Enigmatic Chlorophyll-A. <i>Biophysical Journal</i> , 2013, 104, 488a.	0.5	0
56	Investigation of Echinacea purpurea Root Proteins with Hemagglutinating Activity. <i>Natural Product Communications</i> , 2017, 12, 1934578X1701200.	0.5	0
57	Cytochrome b6f Complex. , 2019, , 1-9.		0
58	Biochip Surfaces Containing Recombinant Cell-Binding Domains of Fibronectin. <i>Coatings</i> , 2022, 12, 880.	2.6	0