Daniel Mihalik

List of Publications by Year
in descending order

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Version: 2024-02-01

50 papers	1,250 citations	687220 13 h-index	360920 35 g-index
56 all docs	56 docs citations	56 times ranked	1953 citing authors

#	Article	IF	Citations
1	The matrix component biglycan is proinflammatory and signals through Toll-like receptors 4 and 2 in macrophages. Journal of Clinical Investigation, 2005, 115, 2223-2233.	3.9	718
2	Biglycan, a Nitric Oxide-regulated Gene, Affects Adhesion, Growth, and Survival of Mesangial Cells. Journal of Biological Chemistry, 2003, 278, 26227-26237.	1.6	61
3	Regulation of Fibrillin-1 by Biglycan and Decorin Is Important for Tissue Preservation in the Kidney During Pressure-Induced Injury. American Journal of Pathology, 2004, 165, 383-396.	1.9	55
4	Plant Viruses Infecting Solanaceae Family Members in the Cultivated and Wild Environments: A Review. Plants, 2020, 9, 667.	1.6	49
5	Biotechnology for the functional improvement of cerealâ€based materials enriched with PUFA and pigments. European Journal of Lipid Science and Technology, 2013, 115, 1247-1256.	1.0	26
6	Enhanced in vitro propagation of MiscanthusÃ—giganteus. Industrial Crops and Products, 2013, 41, 279-282.	2.5	24
7	Nephrin expression is increased in anti-Thy1.1-induced glomerulonephritis in rats. Biochemical and Biophysical Research Communications, 2004, 324, 247-254.	1.0	23
8	Progress in the genetic engineering of cereals to produce essential polyunsaturated fatty acids. Journal of Biotechnology, 2018, 284, 115-122.	1.9	20
9	Response of oat cultivars to Fusarium infection with a view to their suitability for food use. Biologia (Poland), 2010, 65, 609-614.	0.8	19
10	High-Throughput Sequencing Reveals Bell Pepper Endornavirus Infection in Pepper (Capsicum annum) in Slovakia and Enables Its Further Molecular Characterization. Plants, 2020, 9, 41.	1.6	17
11	Transgenic barley producing essential polyunsaturated fatty acids. Biologia Plantarum, 2014, 58, 348-354.	1.9	15
12	Nitric Oxide Upregulates Induction of PDGF Receptor-Î± Expression in Rat Renal Mesangial Cells and in Anti-Thy-1 Glomerulonephritis. Journal of the American Society of Nephrology: JASN, 2005, 16, 1948-1957.	3.0	13
13	Elicitation Phenolic Compounds in Cell Culture of Vitis vinifera L. by Phaeomoniella chlamydospora. Nova Biotechnologica Et Chimica, 2014, 13, 162-171.	0.1	13
14	Impact of Genetically Modified Maize on the Genetic Diversity of Rhizosphere Bacteria: a Two-Year Study in Slovakia. Polish Journal of Ecology, 2014, 62, 67-76.	0.2	13
15	Biotic and Abiotic Elicitors of Stilbenes Production in Vitis vinifera L. Cell Culture. Plants, 2021, 10, 490.	1.6	13
16	Biosynthesis of Essential Polyunsaturated Fatty Acids in Wheat Triggered by Expression of Artificial Gene. International Journal of Molecular Sciences, 2015, 16, 30046-30060.	1.8	12
17	Forensic application of EST-derived STR markers in opium poppy. Biologia (Poland), 2017, 72, 587-594.	0.8	11
18	Characterization of membrane-bound fatty acid desaturases. General Physiology and Biophysics, 2013, 32, 445-458.	0.4	9

#	Article	IF	Citations
19	Molecular and Biological Characterisation of Turnip mosaic virus Isolates Infecting Poppy (Papaver) Tj ETQq1 1 0.784314 rgBT /Overlock	1.5	9
20	Optimization of Barley Mature Embryo Regeneration and Comparison with Immature Embryos of Local Cultivars. Nova Biotechnologica Et Chimica, 2012, 11, .	0.1	9
21	Evaluation of New Polyclonal Antibody Developed for Serological Diagnostics of Tomato Mosaic Virus. Viruses, 2022, 14, 1331.	1.5	9
22	High-throughput sequencing of Potato virus M from tomato in Slovakia reveals a divergent variant of the virus. Plant Protection Science, 2019, 55, 159-166.	0.7	8
23	Arbuscular Mycorrhizal Fungi â€“ Their Life and Function in Ecosystem. Agriculture, 2019, 65, 3-15.	0.2	8
24	Allelic variation of HMW Glutenin subunits and1BL.1RStranslocation in Slovak common wheats. Cereal Research Communications, 2007, 35, 1675-1683.	0.8	7
25	Marker-assisted selection for the development of improved barley and wheat lines. Acta Agronomica Hungarica: an International Multidisciplinary Journal in Agricultural Science, 2008, 56, 385-392.	0.2	7
26	Detection and molecular characterization of Slovak tomato isolates belonging to two recombinant strains of potato virus Y. Acta Virologica, 2016, 60, 347-353.	0.3	7
27	Assessment of infection in wheat by Fusarium protein equivalent levels. European Journal of Plant Pathology, 2009, 124, 163-170.	0.8	6
28	A new high-molecular-weight glutenin subunit from the slovak wheat (Triticum aestivum L.) cultivar â€˜TrebiÃ¡ovskÃ¡ 76â€™. Food Science and Biotechnology, 2013, 22, 33-37.	1.2	6
29	Higher Effectiveness of New Common Bean (Phaseolus vulgaris L.) Germplasm Acquisition by Collecting Expeditions Associated with Molecular Analyses. Sustainability, 2019, 11, 5270.	1.6	6
30	Molecular Characterization of Potato Virus Y (PVY) Using High-Throughput Sequencing: Constraints on Full Genome Reconstructions Imposed by Mixed Infection Involving Recombinant PVY Strains. Plants, 2021, 10, 753.	1.6	6
31	Evidence of selective changes in winter wheat in middle-European environments reflected by allelic diversity at loci affecting plant height and photoperiodic response. Journal of Agricultural Science, 2011, 149, 313-326.	0.6	5
32	Characterization of vine varieties by SSR markers. Acta Chimica Slovaca, 2013, 6, 227-234.	0.5	5
33	High-Throughput Sequencing Discloses the Cucumber Mosaic Virus (CMV) Diversity in Slovakia and Reveals New Hosts of CMV from the Papaveraceae Family. Plants, 2022, 11, 1665.	1.6	5
34	Genetic differentiation between local populations of Ips typographus in the high Tatra Mountains range. Scandinavian Journal of Forest Research, 2018, 33, 215-221.	0.5	4
35	Diacylglycerol Acetyltransferase Gene Isolated from Euonymus europaeus L. Altered Lipid Metabolism in Transgenic Plant towards the Production of Acetylated Triacylglycerols. Life, 2020, 10, 205.	1.1	4
36	Experimental Infection of Different Tomato Genotypes with Tomato mosaic virus Led to a Low Viral Population Heterogeneity in the Capsid Protein Encoding Region. Plant Pathology Journal, 2017, 33, 508-513.	0.7	4

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37	Procedures for DNA Extraction from Opium Poppy (Papaver somniferum L.) and Poppy Seed-Containing Products. Foods, 2020, 9, 1429.	1.9	3
38	Screening of bacterial populations in crop rotations with different proportion of cereals. Agriculture, 2014, 60, 31-38.	0.2	3
39	Formation of Potential Heterotic Groups of Oat Using Variation at Microsatellite Loci. Plants, 2021, 10, 2462.	1.6	3
40	Molecular Selection Of Tomato And Pepper Breeding Lines Possessing Resistance Alleles Against Tobamoviruses. Agriculture, 2015, 61, 33-37.	0.2	2
41	In Vitro Regeneration Potential of Seven Commercial Soybean Cultivars (Glycine max L.) for Use in Biotechnology. Nova Biotechnologica Et Chimica, 2016, 15, 1-11.	0.1	2
42	Efficient Confirmation of Plant Viral Proteins and Identification of Specific Viral Strains by nanoLC-ESI-Q-TOF Using Single-Leaf-Tissue Samples. Pathogens, 2020, 9, 966.	1.2	2
43	The Choice of Suitable Conditions for Wheat Genetic Transformation. Agriculture, 2019, 65, 30-36.	0.2	2
44	Microsatellite characterization of genetic diversity (Vitis vinifera L.) and polyphenol content analysis in slovak cultivars. Current Opinion in Biotechnology, 2013, 24, S126-S127.	3.3	1
45	Introduction of a synthetic Thermococcus-derived Î±-amlyase gene into barley genome for increased enzyme thermostability in grains. Electronic Journal of Biotechnology, 2017, 30, 1-5.	1.2	1
46	The Activity of Cell-Wall Modifying Î²-1,3-Glucanases in Soybean Grown in Presence of Heavy Metals. Nova Biotechnologica Et Chimica, 2016, 15, 114-121.	0.1	1
47	Establishment of Stem Cell-like Cells of Sida hermaphrodita (L.) Rusby from Explants Containing Cambial Meristems. International Journal of Molecular Sciences, 2022, 23, 7644.	1.8	1
48	Genotyping of Vitis vinifera L. within the Slovak national collection of genetic resources. Open Life Sciences, 2014, 9, 761-767.	0.6	0
49	One Century of Interactions Between Intensive Breeding and Genetic Diversity Conservation of Barley. Notulae Botanicae Horti Agrobotanici Cluj-Napoca, 2017, 45, 225-231.	0.5	0
50	Bacterial Communities in Rhizosphere of Maize Studied by T-RFLP. Agriculture, 2014, 60, 98-104.	0.2	0