

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
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56
all docs

56
docs citations

56
times ranked

1953
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | High-Throughput Sequencing Discloses the Cucumber Mosaic Virus (CMV) Diversity in Slovakia and Reveals New Hosts of CMV from the Papaveraceae Family. <i>Plants</i> , 2022, 11, 1665. | 1.6 | 5 |
| 2 | Evaluation of New Polyclonal Antibody Developed for Serological Diagnostics of Tomato Mosaic Virus. <i>Viruses</i> , 2022, 14, 1331. | 1.5 | 9 |
| 3 | Establishment of Stem Cell-like Cells of <i>Sida hermaphrodita</i> (L.) Rusby from Explants Containing Cambial Meristems. <i>International Journal of Molecular Sciences</i> , 2022, 23, 7644. | 1.8 | 1 |
| 4 | Biotic and Abiotic Elicitors of Stilbenes Production in <i>Vitis vinifera</i> L. <i>Cell Culture</i> . <i>Plants</i> , 2021, 10, 490. | 1.6 | 13 |
| 5 | Molecular Characterization of Potato Virus Y (PVY) Using High-Throughput Sequencing: Constraints on Full Genome Reconstructions Imposed by Mixed Infection Involving Recombinant PVY Strains. <i>Plants</i> , 2021, 10, 753. | 1.6 | 6 |
| 6 | Formation of Potential Heterotic Groups of Oat Using Variation at Microsatellite Loci. <i>Plants</i> , 2021, 10, 2462. | 1.6 | 3 |
| 7 | High-Throughput Sequencing Reveals Bell Pepper Endornavirus Infection in Pepper (<i>Capsicum annuum</i>) in Slovakia and Enables Its Further Molecular Characterization. <i>Plants</i> , 2020, 9, 41. | 1.6 | 17 |
| 8 | Efficient Confirmation of Plant Viral Proteins and Identification of Specific Viral Strains by nanoLC-ESI-Q-TOF Using Single-Leaf-Tissue Samples. <i>Pathogens</i> , 2020, 9, 966. | 1.2 | 2 |
| 9 | Procedures for DNA Extraction from Opium Poppy (<i>Papaver somniferum</i> L.) and Poppy Seed-Containing Products. <i>Foods</i> , 2020, 9, 1429. | 1.9 | 3 |
| 10 | Diacylglycerol Acetyltransferase Gene Isolated from <i>Euonymus europaeus</i> L. Altered Lipid Metabolism in Transgenic Plant towards the Production of Acetylated Triacylglycerols. <i>Life</i> , 2020, 10, 205. | 1.1 | 4 |
| 11 | Plant Viruses Infecting Solanaceae Family Members in the Cultivated and Wild Environments: A Review. <i>Plants</i> , 2020, 9, 667. | 1.6 | 49 |
| 12 | Higher Effectiveness of New Common Bean (<i>Phaseolus vulgaris</i> L.) Germplasm Acquisition by Collecting Expeditions Associated with Molecular Analyses. <i>Sustainability</i> , 2019, 11, 5270. | 1.6 | 6 |
| 13 | High-throughput sequencing of Potato virus M from tomato in Slovakia reveals a divergent variant of the virus. <i>Plant Protection Science</i> , 2019, 55, 159-166. | 0.7 | 8 |
| 14 | Arbuscular Mycorrhizal Fungi – Their Life and Function in Ecosystem. <i>Agriculture</i> , 2019, 65, 3-15. | 0.2 | 8 |
| 15 | The Choice of Suitable Conditions for Wheat Genetic Transformation. <i>Agriculture</i> , 2019, 65, 30-36. | 0.2 | 2 |
| 16 | Genetic differentiation between local populations of <i>Ips typographus</i> in the high Tatra Mountains range. <i>Scandinavian Journal of Forest Research</i> , 2018, 33, 215-221. | 0.5 | 4 |
| 17 | Molecular and Biological Characterisation of Turnip mosaic virus Isolates Infecting Poppy (<i>Papaver</i>) Tj ETQq1 1 0.784314 rgBT ₉ /Overlock | 1.5 | 9 |
| 18 | Progress in the genetic engineering of cereals to produce essential polyunsaturated fatty acids. <i>Journal of Biotechnology</i> , 2018, 284, 115-122. | 1.9 | 20 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Introduction of a synthetic <i>Thermococcus</i> -derived α -amylase gene into barley genome for increased enzyme thermostability in grains. <i>Electronic Journal of Biotechnology</i> , 2017, 30, 1-5. | 1.2 | 1 |
| 20 | Forensic application of EST-derived STR markers in opium poppy. <i>Biologia (Poland)</i> , 2017, 72, 587-594. | 0.8 | 11 |
| 21 | One Century of Interactions Between Intensive Breeding and Genetic Diversity Conservation of Barley. <i>Notulae Botanicae Horti Agrobotanici Cluj-Napoca</i> , 2017, 45, 225-231. | 0.5 | 0 |
| 22 | Experimental Infection of Different Tomato Genotypes with Tomato mosaic virus Led to a Low Viral Population Heterogeneity in the Capsid Protein Encoding Region. <i>Plant Pathology Journal</i> , 2017, 33, 508-513. | 0.7 | 4 |
| 23 | Detection and molecular characterization of Slovak tomato isolates belonging to two recombinant strains of potato virus Y. <i>Acta Virologica</i> , 2016, 60, 347-353. | 0.3 | 7 |
| 24 | In Vitro Regeneration Potential of Seven Commercial Soybean Cultivars (<i>Glycine max</i> L.) for Use in Biotechnology. <i>Nova Biotechnologica Et Chimica</i> , 2016, 15, 1-11. | 0.1 | 2 |
| 25 | The Activity of Cell-Wall Modifying β -1,3-Glucanases in Soybean Grown in Presence of Heavy Metals. <i>Nova Biotechnologica Et Chimica</i> , 2016, 15, 114-121. | 0.1 | 1 |
| 26 | Molecular Selection Of Tomato And Pepper Breeding Lines Possessing Resistance Alleles Against Tobamoviruses. <i>Agriculture</i> , 2015, 61, 33-37. | 0.2 | 2 |
| 27 | Biosynthesis of Essential Polyunsaturated Fatty Acids in Wheat Triggered by Expression of Artificial Gene. <i>International Journal of Molecular Sciences</i> , 2015, 16, 30046-30060. | 1.8 | 12 |
| 28 | Elicitation Phenolic Compounds in Cell Culture of <i>Vitis vinifera</i> L. by <i>Phaeoconiella chlamydospora</i> . <i>Nova Biotechnologica Et Chimica</i> , 2014, 13, 162-171. | 0.1 | 13 |
| 29 | Transgenic barley producing essential polyunsaturated fatty acids. <i>Biologia Plantarum</i> , 2014, 58, 348-354. | 1.9 | 15 |
| 30 | Genotyping of <i>Vitis vinifera</i> L. within the Slovak national collection of genetic resources. <i>Open Life Sciences</i> , 2014, 9, 761-767. | 0.6 | 0 |
| 31 | Impact of Genetically Modified Maize on the Genetic Diversity of Rhizosphere Bacteria: a Two-Year Study in Slovakia. <i>Polish Journal of Ecology</i> , 2014, 62, 67-76. | 0.2 | 13 |
| 32 | Screening of bacterial populations in crop rotations with different proportion of cereals. <i>Agriculture</i> , 2014, 60, 31-38. | 0.2 | 3 |
| 33 | Bacterial Communities in Rhizosphere of Maize Studied by T-RFLP. <i>Agriculture</i> , 2014, 60, 98-104. | 0.2 | 0 |
| 34 | Enhanced in vitro propagation of <i>Miscanthus giganteus</i> . <i>Industrial Crops and Products</i> , 2013, 41, 279-282. | 2.5 | 24 |
| 35 | Biotechnology for the functional improvement of cereal-based materials enriched with PUFA and pigments. <i>European Journal of Lipid Science and Technology</i> , 2013, 115, 1247-1256. | 1.0 | 26 |
| 36 | Microsatellite characterization of genetic diversity (<i>Vitis vinifera</i> L.) and polyphenol content analysis in slovak cultivars. <i>Current Opinion in Biotechnology</i> , 2013, 24, S126-S127. | 3.3 | 1 |

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|----|--|-----|-----------|
| 37 | A new high-molecular-weight glutenin subunit from the slovak wheat (<i>Triticum aestivum</i> L.) cultivar 'Trebíšovská 76'™. <i>Food Science and Biotechnology</i> , 2013, 22, 33-37. | 1.2 | 6 |
| 38 | Characterization of membrane-bound fatty acid desaturases. <i>General Physiology and Biophysics</i> , 2013, 32, 445-458. | 0.4 | 9 |
| 39 | Characterization of vine varieties by SSR markers. <i>Acta Chimica Slovaca</i> , 2013, 6, 227-234. | 0.5 | 5 |
| 40 | Optimization of Barley Mature Embryo Regeneration and Comparison with Immature Embryos of Local Cultivars. <i>Nova Biotechnologica Et Chimica</i> , 2012, 11, . | 0.1 | 9 |
| 41 | Evidence of selective changes in winter wheat in middle-European environments reflected by allelic diversity at loci affecting plant height and photoperiodic response. <i>Journal of Agricultural Science</i> , 2011, 149, 313-326. | 0.6 | 5 |
| 42 | Response of oat cultivars to <i>Fusarium</i> infection with a view to their suitability for food use. <i>Biologia (Poland)</i> , 2010, 65, 609-614. | 0.8 | 19 |
| 43 | Assessment of infection in wheat by <i>Fusarium</i> protein equivalent levels. <i>European Journal of Plant Pathology</i> , 2009, 124, 163-170. | 0.8 | 6 |
| 44 | Marker-assisted selection for the development of improved barley and wheat lines. <i>Acta Agronomica Hungarica: an International Multidisciplinary Journal in Agricultural Science</i> , 2008, 56, 385-392. | 0.2 | 7 |
| 45 | Allelic variation of HMW Glutenin subunits and 1BL.1RS translocation in Slovak common wheats. <i>Cereal Research Communications</i> , 2007, 35, 1675-1683. | 0.8 | 7 |
| 46 | Nitric Oxide Upregulates Induction of PDGF Receptor- β Expression in Rat Renal Mesangial Cells and in Anti-Thy-1 Glomerulonephritis. <i>Journal of the American Society of Nephrology: JASN</i> , 2005, 16, 1948-1957. | 3.0 | 13 |
| 47 | The matrix component biglycan is proinflammatory and signals through Toll-like receptors 4 and 2 in macrophages. <i>Journal of Clinical Investigation</i> , 2005, 115, 2223-2233. | 3.9 | 718 |
| 48 | Nephrin expression is increased in anti-Thy1.1-induced glomerulonephritis in rats. <i>Biochemical and Biophysical Research Communications</i> , 2004, 324, 247-254. | 1.0 | 23 |
| 49 | Regulation of Fibrillin-1 by Biglycan and Decorin Is Important for Tissue Preservation in the Kidney During Pressure-Induced Injury. <i>American Journal of Pathology</i> , 2004, 165, 383-396. | 1.9 | 55 |
| 50 | Biglycan, a Nitric Oxide-regulated Gene, Affects Adhesion, Growth, and Survival of Mesangial Cells. <i>Journal of Biological Chemistry</i> , 2003, 278, 26227-26237. | 1.6 | 61 |