Miroslav Glasa

List of Publications by Year
in descending order

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67 papers	1,434 citations	394421 19 h-index	345221 36 g-index
67 all docs	67 docs citations	67 times ranked	1038 citing authors

#	Article	IF	Citations
1	<scp>P</scp>lum pox virus and sharka: a model potyvirus and a major disease. Molecular Plant Pathology, 2014, 15, 226-241.	4.2	178
2	Geographically and temporally distant natural recombinant isolates of Plum pox virus (PPV) are genetically very similar and form a unique PPV subgroup. Journal of General Virology, 2004, 85, 2671-2681.	2.9	120
3	The Determinant of Potyvirus Ability to Overcome the RTM Resistance of Arabidopsis thaliana Maps to the N-Terminal Region of the Coat Protein. Molecular Plant-Microbe Interactions, 2009, 22, 1302-1311.	2.6	114
4	Recent Advances on Detection and Characterization of Fruit Tree Viruses Using High-Throughput Sequencing Technologies. Viruses, 2018, 10, 436.	3.3	111
5	Molecular characterization of divergent grapevine Pinot gris virus isolates and their detection in Slovak and Czech grapevines. Archives of Virology, 2014, 159, 2103-2107.	2.1	73
6	A Natural Population of Recombinant Plum Pox Virus is Viable and Competitive under Field Conditions. European Journal of Plant Pathology, 2002, 108, 843-853.	1.7	49
7	Plant Viruses Infecting Solanaceae Family Members in the Cultivated and Wild Environments: A Review. Plants, 2020, 9, 667.	3.5	49
8	Characterization of Sour Cherry Isolates of Plum pox virus from the Volga Basin in Russia Reveals a New Cherry Strain of the Virus. Phytopathology, 2013, 103, 972-979.	2.2	46
9	Detection and molecular characterisation of Grapevine Syrah virus-1 isolates from Central Europe. Virus Genes, 2015, 51, 112-121.	1.6	41
10	Sequence Variability, Recombination Analysis, and Specific Detection of the W Strain of Plum pox virus. Phytopathology, 2011, 101, 980-985.	2.2	31
11	Host preference of the major strains of Plum pox virus â€"Opinions based on regional and world-wide sequence data. Journal of Integrative Agriculture, 2017, 16, 510-515.	3.5	30
12	Partial sequence analysis of an atypical Turkish isolate provides further information on the evolutionary history of Plum pox virus (PPV). Virus Research, 2005, 108, 199-206.	2.2	28
13	The global phylogeny of Plum pox virus is emerging. Journal of General Virology, 2019, 100, 1457-1468.	2.9	28
14	Unfolding the secrets of plum pox virus: from epidemiology to genomics. Acta Virologica, 2013, 57, 217-228.	0.8	26
15	Analysis of Grapevine rupestris stem pitting-associated virus in Slovakia Reveals Differences in Intra-Host Population Diversity and Naturally Occurring Recombination Events. Plant Pathology Journal, 2017, 33, 34-42.	1.7	26
16	Analysis of the molecular and biological variability of Zucchini yellow mosaic virus isolates from Slovakia and Czech Republic. Virus Genes, 2007, 35, 415-421.	1.6	25
17	Analysis of multiple virus-infected grapevine plant reveals persistence but uneven virus distribution. Acta Virologica, 2009, 53, 281-285.	0.8	25
18	Biological and molecular characterisation of Prunus necrotic ringspot virus isolates and possible approaches to their phylogenetic typing. Annals of Applied Biology, 2002, 140, 279-283.	2.5	22

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19	Biological and Molecular Variability of Zucchini yellow mosaic virus in Iran*. Journal of Phytopathology, 2008, 156, 654-659.	1.0	20
20	Mediterranean and central-eastern European countries host viruses of two different clades of plum pox virus strain M. Archives of Virology, 2011, 156, 539-542.	2.1	20
21	Evaluation of the genetic diversity of Plum pox virus in a single plum tree. Virus Research, 2012, 167, 112-117.	2.2	20
22	Grapevine virus T diversity as revealed by full-length genome sequences assembled from high-throughput sequence data. PLoS ONE, 2018, 13, e0206010.	2.5	19
23	A novel specific duplex real-time RT-PCR method for absolute quantitation of Grapevine Pinot gris virus in plant material and single mites. PLoS ONE, 2018, 13, e0197237.	2.5	19
24	First Report of Grapevine Pinot gris virus in German Vineyards. Plant Disease, 2016, 100, 2545-2545.	1.4	18
25	An Amino Acid Deletion in Wheat streak mosaic virus Capsid Protein Distinguishes a Homogeneous Group of European Isolates and Facilitates Their Specific Detection. Plant Disease, 2009, 93, 1209-1213.	1.4	17
26	High-Throughput Sequencing Reveals Bell Pepper Endornavirus Infection in Pepper (Capsicum annum) in Slovakia and Enables Its Further Molecular Characterization. Plants, 2020, 9, 41.	3.5	17
27	First Report of Wheat streak mosaic virus in Slovakia. Plant Disease, 2008, 92, 1365-1365.	1.4	17
28	A single amino acid mutation alters the capsid protein electrophoretic double-band phenotype of the Plum pox virus strain PPV-Rec. Archives of Virology, 2010, 155, 1151-1155.	2.1	15
29	Partially resistant Cucurbita pepo showed late onset of the Zucchini yellow mosaic virus infection due to rapid activation of defense mechanisms as compared to susceptible cultivar. Frontiers in Plant Science, 2015, 6, 263.	3.6	14
30	Comparative Transcriptome Analysis of Two Cucumber Cultivars with Different Sensitivity to Cucumber Mosaic Virus Infection. Pathogens, 2020, 9, 145.	2.8	13
31	First Report of Plum pox virus Recombinant Strain on Prunus spp. in Canada. Plant Disease, 2009, 93, 674-674.	1.4	13
32	Photosynthetic and Stress Responsive Proteins Are Altered More Effectively in Nicotiana benthamiana Infected with Plum pox virus Aggressive PPV-CR versus Mild PPV-C Cherry-Adapted Isolates. Journal of Proteome Research, 2018, 17, 3114-3127.	3.7	12
33	First Report of Grapevine Rupestris Vein Feathering Virus in Grapevine in Slovakia. Plant Disease, 2019, 103, 170-170.	1.4	12
34	Molecular characterization of Prune dwarf virus cherry isolates from Slovakia shows their substantial variability and reveals recombination events in PDV RNA3. European Journal of Plant Pathology, 2017, 147, 877-885.	1.7	11
35	Grapevine virus T is relatively widespread in Slovakia and Czech Republic and genetically diverse. Virus Genes, 2018, 54, 737-741.	1.6	11
36	Grapevine Fleck Virus Isolates Split into Two Distinct Molecular Groups. Journal of Phytopathology, 2011, 159, 805-807.	1.0	10

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37	The 3â€²-proximal part of the Plum pox virus P1 gene determinates the symptom expression in two herbaceous host plants. Virus Genes, 2012, 44, 505-512.	1.6	10
38	Molecular characterization of geographically different Cucurbit aphid-borne yellows virus isolates. Acta Virologica, 2009, 53, 61-64.	0.8	10
39	PREVALENCE AND GENETIC STRUCTURE OF PPV-M IN SIX EUROPEAN COUNTRIES. Acta Horticulturae, 2008, , 227-234.	0.2	9
40	Partial Sequence Analysis of Geographically Close Grapevine virus A Isolates Reveals their High Regional Variability and an Intraâ€isolate Heterogeneity. Journal of Phytopathology, 2016, 164, 427-431.	1.0	9
41	Molecular and Biological Characterisation of Turnip mosaic virus Isolates Infecting Poppy (Papaver) Tj ETQq1 1 0.784314 rgBT /Overlock	3.3	9
42	Evaluation of New Polyclonal Antibody Developed for Serological Diagnostics of Tomato Mosaic Virus. Viruses, 2022, 14, 1331.	3.3	9
43	Genetic Diversity of Watermelon mosaic virus in Slovakia and Iran Shows Distinct Pattern. Plant Disease, 2011, 95, 38-42.	1.4	8
44	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.	1.4	8
45	Detection and molecular characterization of Slovak tomato isolates belonging to two recombinant strains of potato virus Y. Acta Virologica, 2016, 60, 347-353.	0.8	7
46	Higher Effectiveness of New Common Bean (Phaseolus vulgaris L.) Germplasm Acquisition by Collecting Expeditions Associated with Molecular Analyses. Sustainability, 2019, 11, 5270.	3.2	6
47	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.	3.5	6
48	Analysis of the complete sequences of two biologically distinct Zucchini yellow mosaic virus isolates further evidences the involvement of aÂsingle amino acid in the virus pathogenicity. Acta Virologica, 2014, 58, 364-367.	0.8	5
49	First Report of Pepper Cryptic Virus 2 Infecting Pepper (Capsicum annum) in Slovakia. Plant Disease, 2020, 104, 1565.	1.4	5
50	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.	3.5	5
51	Diacylglycerol Acetyltransferase Gene Isolated from Euonymus europaeus L. Altered Lipid Metabolism in Transgenic Plant towards the Production of Acetylated Triacylglycerols. Life, 2020, 10, 205.	2.4	4
52	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.	1.7	4
53	PREPARATION OF AN INFECTIOUS CDNA CLONE OF THE PLUM POX VIRUS STRAIN PPV-REC. Acta Horticulturae, 2011, , 103-108.	0.2	3
54	Cloning of the complete infectious cDNA of the plum pox virus strain PPV-Rec. Acta Virologica, 2012, 56, 129-132.	0.8	3

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55	Analysis of Virome by High-Throughput Sequencing Revealed Multiple Infection and Intra-Virus Diversity in a Single Grapevine Plant. Acta Horticulturae Et Regiotecturae, 2020, 23, 35-39.	1.0	3
56	Tracking the potyviral P1 protein in Nicotiana benthamiana plants during plum pox virus infection. Acta Virologica, 2017, 61, 492-494.	0.8	2
57	Genetic diversity, host range and transmissibility of CR isolates of Plum pox virus. Journal of General Plant Pathology, 2019, 85, 39-43.	1.0	2
58	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.	2.8	2
59	EXPERIMENTAL MIXED INFECTION BY PLUM POX VIRUS STRAINS CONFIRMS THEIR NATURAL HOST PREFERENCE. Acta Horticulturae, 2015, , 29-32.	0.2	2
60	Monitoring and preservation of old cherry cultivars in the Slovak Republic. Acta Horticulturae, 2016, , 225-260.	0.2	1
61	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.	2.2	1
62	First report of Cucumis melo endornavirus infecting Cucurbitaceae plants in Slovakia. , 0, , .		1
63	An alternative and ecological source of microprojectils for biolistic DNA delivery into plant tissues. Acta Virologica, 2012, 55, 365-366.	0.8	0
64	Plum Pox Virus (Potyviridae). , 2021, , 586-593.		0
65	NATURAL POPULATION OF RECOMBINANT PLUM POX VIRUS OCCURS IN SLOVAKIA. Acta Horticulturae, 2006, , 419-426.	0.2	0
66	COMPARISON OF TWO METHODS OF ARTIFICIAL INOCULATION IN THE EVALUATION OF APRICOT GENOTYPES FOR RESISTANCE TO PLUM POX VIRUS. Acta Horticulturae, 2006, , 459-462.	0.2	0
67	Detection and characterisation of Plum pox virus (PPV) isolates from Eastern Slovakia revealed the presence of three main viral strains.. Potravinarstvo, 2014, 8, 1-7.	0.6	0