Miroslav BarÃ¡nek

List of Publications by Year
in descending order

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43 papers	540 citations	687363 13 h-index	713466 21 g-index
45 all docs	45 docs citations	45 times ranked	705 citing authors

#	Article	IF	Citations
1	Persistence of Xanthomonas campestris pv. campestris in Field Soil in Central Europe. Microorganisms, 2021, 9, 591.	3.6	4
2	Comparison of DNA methylation landscape between Czech and Armenian vineyards show their unique character and increased diversity. Czech Journal of Genetics and Plant Breeding, 2021, 57, 67-75.	0.8	8
3	Epigenetic Modulating Chemicals Significantly Affect the Virulence and Genetic Characteristics of the Bacterial Plant Pathogen Xanthomonas campestris pv. campestris. Genes, 2021, 12, 804.	2.4	2
4	Incidence of GLMD-Like Symptoms on Grapevines Naturally Infected by Grapevine Pinot gris virus, Boron Content and Gene Expression Analysis of Boron Metabolism Genes. Agronomy, 2021, 11, 1020.	3.0	5
5	Killing Effect of Bacillus velezensis FZB42 on a Xanthomonas campestris pv. Campestris (Xcc) Strain Newly Isolated from Cabbage Brassica oleracea Convar. Capitata (L.): A Metabolomic Study. Microorganisms, 2021, 9, 1410.	3.6	20
6	Silver nanoparticles eliminate Xanthomonas campestris pv. campestris in cabbage seeds more efficiently than hot water treatment. Materials Today Communications, 2021, 27, 102284.	1.9	8
7	Deciphering the Epigenetic Alphabet Involved in Transgenerational Stress Memory in Crops. International Journal of Molecular Sciences, 2021, 22, 7118.	4.1	36
8	Epigenetics for Crop Improvement in Times of Global Change. Biology, 2021, 10, 766.	2.8	53
9	Species-specific PCR primers for the detection of poorly distinguishable Xanthomonas euvesicatoria. Crop Protection, 2020, 127, 104978.	2.1	8
10	Lasiodiplodia mitidjana sp. nov. and other Botryosphaeriaceae species causing branch canker and dieback of Citrus sinensis in Algeria. PLoS ONE, 2020, 15, e0232448.	2.5	19
11	Identification of rare traditional grapevine cultivars using SSR markers and their geographical location within the Czech Republic. Czech Journal of Genetics and Plant Breeding, 2020, 56, 71-78.	0.8	7
12	The Change of Bacterial Spectrum after Storage of X. campestris pv. campestris Inoculated Cabbage Heads (Brassica oleracea var. capitata L.). Agronomy, 2020, 10, 443.	3.0	7
13	The Effects of Potassium Silicate as a Component of Nutrient Medium for Selected in Vitro Cultures of Prunus and Corylus Genera. Acta Universitatis Agriculturae Et Silviculturae Mendelianae Brunensis, 2020, 68, 851-857.	0.4	2
14	Title is missing!. , 2020, 15, e0232448.		0
15	Title is missing!. , 2020, 15, e0232448.		0
16	Title is missing!. , 2020, 15, e0232448.		0
17	Title is missing!. , 2020, 15, e0232448.		0
18	Title is missing!. , 2020, 15, e0232448.		0

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19	Title is missing!. , 2020, 15, e0232448.		0
20	Quantitative real-time PCR assay for rapid detection of Pseudomonas amygdali pv. lachrymans in cucumber leaf rinse. Journal of Plant Diseases and Protection, 2019, 126, 517-528.	2.9	3
21	Effect of Different DNA Demethylating Agents on In vitro Cultures of Peach Rootstock GF 677. Notulae Botanicae Horti Agrobotanici Cluj-Napoca, 2019, 47, .	1.1	3
22	MicroRNAs in Vitis vinifera cv. Chardonnay Are Differentially Expressed in Response to Diaporthe Species. Genes, 2019, 10, 905.	2.4	5
23	High-throughput amplicon sequencing-based analysis of active fungal communities inhabiting grapevine after hot-water treatments reveals unexpectedly high fungal diversity. Fungal Ecology, 2018, 36, 26-38.	1.6	33
24	First Report of Dactylonectria torresensis Causing Black-Foot Disease on Grapevines in the Czech Republic. Plant Disease, 2018, 102, 2038.	1.4	4
25	Development of RT-PCR method for detecting GCLV by specific primers. Acta Horticulturae, 2016, , 21-26.	0.2	0
26	Rapid Communication. Monitoring the occurrence of bacteria in stored cabbage heads. Journal of Plant Protection Research, 2016, 57, 56-61.	1.0	4
27	Use of Combined MSAP and NGS Techniques to Identify Differentially Methylated Regions in Somaclones: A Case Study of Two Stable Somatic Wheat Mutants. PLoS ONE, 2016, 11, e0165749.	2.5	15
28	Comprehensive Virus Detection Using Next Generation Sequencing in Grapevine Vascular Tissues of Plants Obtained from the Wine Regions of Bohemia and Moravia (Czech Republic). PLoS ONE, 2016, 11, e0167966.	2.5	59
29	Use of SSR markers to identify grapevine cultivars registered in the Czech Republic. Oeno One, 2016, 40, 71.	1.4	6
30	EVALUATION OF SELECTED SSR MARKERS FOR THEIR CAPABILITY TO CONTROL THE QUALITY OF CABBAGE F1 HYBRIDS PRODUCTION. Acta Horticulturae, 2015, , 131-134.	0.2	1
31	USE OF ANTIVIRALS FOR CARLAVIRUS ELIMINATION IN ALLIUM SATIVUM L.. Acta Horticulturae, 2015, , 589-594.	0.2	0
32	Dynamics and Reversibility of the DNA Methylation Landscape of Grapevine Plants (Vitis vinifera) Stressed by In Vitro Cultivation and Thermotherapy. PLoS ONE, 2015, 10, e0126638.	2.5	43
33	IDENTIFICATION OF UNKNOWN ALMOND GENOTYPES BY SSR ANALYSIS. Acta Horticulturae, 2015, , 149-153.	0.2	1
34	Genetic Diversity Assessment in Amaranth Germplasm using AFLP and ISSR Markers. Journal of Crop Improvement, 2014, 28, 518-529.	1.7	3
35	EVALUATION OF THE AFLP AND MSAP METHODS AS TOOLS FOR STUDYING OF DNA CHANGES IN GRAPEVINE PLANTS LONG PERIOD AFTER THEIR IN VITRO THERMOTHERAPY. Acta Horticulturae, 2012, , 73-80.	0.2	2
36	Utility of retrotransposon-derived marker systems for differentiation of presumed clones of the apricot cultivar VelkopavlovickÃ¡. Scientia Horticulturae, 2012, 143, 1-6.	3.6	39

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37	Screening of differentially expressed genes during the end of endogenous dormancy of flower buds in Prunus armeniaca L.. Plant Growth Regulation, 2012, 67, 141-150.	3.4	10
38	DNA-methylation changes in grapevine somaclones following in vitro culture and thermotherapy. Plant Cell, Tissue and Organ Culture, 2010, 101, 11-22.	2.3	71
39	Analysis of genetic diversity and phylogeny of partial coat protein domain in Czech and Italian GFLV isolates. Plant Protection Science, 2010, 46, 145-148.	1.4	20
40	AFLP-DERIVED METHODS AS A TOOL FOR STUDY OF GENOMIC, EPIGENOMIC AND TRANSCRIPTOMIC CHANGES IN STRESSED GRAPEVINE PLANTS. Acta Horticulturae, 2009, , 575-583.	0.2	0
41	Genetic changes in grapevine genomes after stress induced by in vitro cultivation, thermotherapy and virus infection, as revealed by AFLP. Genetics and Molecular Biology, 2009, 32, 834-839.	1.3	13
42	OPTIMIZATION OF THE PREPARATION OF DS CDNA FROM FLOWER BUDS OF APRICOT FOR THE CDNA-AFLP ANALYSIS. Acta Horticulturae, 2009, , 537-544.	0.2	2
43	Comparative analysis of genetic diversity in Prunus L. as revealed by RAPD and SSR markers. Scientia Horticulturae, 2006, 108, 253-259.	3.6	14