Jan Kraic

List of Publications by Year
in descending order

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57 papers	504 citations	687335 13 h-index	794568 19 g-index
57 all docs	57 docs citations	57 times ranked	696 citing authors

#	Article	IF	Citations
1	Anthocyanins in Wheat Seed â€“ A Mini Review. Nova Biotechnologica Et Chimica, 2014, 13, 1-12.	0.1	32
2	Phenolic compounds and biological activities of rye (Secale cereale L.) grains. Open Chemistry, 2019, 17, 988-999.	1.9	29
3	Protein heterogeneity in European wheat landraces and obsolete cultivars. Genetic Resources and Crop Evolution, 1999, 46, 521-528.	1.6	28
4	Biodiversity of Legume Healthâ€promoting Starch. Starch/Staerke, 2008, 60, 426-432.	2.1	27
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.	1.5	26
6	Enhanced in vitro propagation of MiscanthusÃ—giganteus. Industrial Crops and Products, 2013, 41, 279-282.	5.2	24
7	Progress in the genetic engineering of cereals to produce essential polyunsaturated fatty acids. Journal of Biotechnology, 2018, 284, 115-122.	3.8	20
8	Protein Heterogeneity in European Wheat Landraces and Obsolete Cultivars: Additional Information II. Genetic Resources and Crop Evolution, 2006, 53, 867-871.	1.6	19
9	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
10	Effects of Nutrition on Wheat Photosynthetic Pigment Responses to Arsenic Stress. Polish Journal of Environmental Studies, 2019, 28, 1821-1829.	1.2	17
11	Antioxidant and Proteinase Inhibitory Activities of Selected Poppy (Papaver somniferum L.) Genotypes. Chemistry and Biodiversity, 2017, 14, e1700176.	2.1	15
12	Secondary metabolites, antioxidant and anti-proteinase activities of methanolic extracts from cones of hop (Humulus lupulus L.) cultivars. Chemical Papers, 2017, 71, 41-48.	2.2	15
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	Responses of Rhizosphere Fungal Communities to the Sewage Sludge Application into the Soil. Microorganisms, 2019, 7, 505.	3.6	13
16	Biotic and Abiotic Elicitors of Stilbenes Production in Vitis vinifera L. Cell Culture. Plants, 2021, 10, 490.	3.5	13
17	Biosynthesis of Essential Polyunsaturated Fatty Acids in Wheat Triggered by Expression of Artificial Gene. International Journal of Molecular Sciences, 2015, 16, 30046-30060.	4.1	12
18	Protein heterogeneity in European wheat landraces and obsolete cultivars: Additional information. Genetic Resources and Crop Evolution, 2004, 51, 569-575.	1.6	11

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19	Forensic application of EST-derived STR markers in opium poppy. Biologia (Poland), 2017, 72, 587-594.	1.5	11
20	Proteinase inhibition and antioxidant activity of selected forage crops. Biologia (Poland), 2011, 66, 96-103.	1.5	10
21	Drought Stress in Cereals â€“ A Review. Agriculture, 2021, 67, 47-60.	0.4	10
22	Can Î²-D-Glucan Protect Oat Seeds against a Heat Stress?. Nova Biotechnologica Et Chimica, 2016, 15, 107-113.	0.1	10
23	Molecular and Biological Characterisation of Turnip mosaic virus Isolates Infecting Poppy (Papaver) Tj ETQq1 1 0.784314 rgBT /Overlock	3.3	9
24	Evaluation of New Polyclonal Antibody Developed for Serological Diagnostics of Tomato Mosaic Virus. Viruses, 2022, 14, 1331.	3.3	9
25	The effects of anthocyanin-rich wheat diet on the oxidative status and behavior of rats. Croatian Medical Journal, 2016, 57, 119-129.	0.7	8
26	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
27	Arbuscular Mycorrhizal Fungi â€“ Their Life and Function in Ecosystem. Agriculture, 2019, 65, 3-15.	0.4	8
28	Clustering of Chickpea (Cicer arietinum L.) Accessions. Genetic Resources and Crop Evolution, 2005, 52, 1039-1048.	1.6	6
29	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.	2.6	6
30	The Structure and Diversity of Bacterial Communities in Differently Managed Soils Studied by Molecular Fingerprinting Methods. Sustainability, 2018, 10, 1095.	3.2	6
31	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
32	Antioxidants, Enzyme Inhibitors, and Biogenic Compounds in Grain Extracts of Barleys. Chemistry and Biodiversity, 2015, 12, 1678-1695.	2.1	5
33	Properties of Cereal Beta-D-Glucan Hydrocolloids and their Effect on Bread and Ketchup Parameters. Polish Journal of Food and Nutrition Sciences, 2013, 63, 79-86.	1.7	4
34	Antioxidant and protease-inhibitory potential of extracts from grains of oat. Open Chemistry, 2016, 14, 324-334.	1.9	4
35	Genetic differentiation between local populations of Ips typographus in the high Tatra Mountains range. Scandinavian Journal of Forest Research, 2018, 33, 215-221.	1.4	4
36	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

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37	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
38	Variable dynamics of cadmium uptake and allocation in four soybean cultivars. Nova Biotechnologica Et Chimica, 2017, 16, 99-104.	0.1	3
39	Procedures for DNA Extraction from Opium Poppy (Papaver somniferum L.) and Poppy Seed-Containing Products. Foods, 2020, 9, 1429.	4.3	3
40	Formation of Potential Heterotic Groups of Oat Using Variation at Microsatellite Loci. Plants, 2021, 10, 2462.	3.5	3
41	Thermal and acido-basic stability of antioxidant properties of extracts from cereal and pseudocereal grains. Biologia (Poland), 2013, 68, 99-104.	1.5	2
42	Molecular Selection Of Tomato And Pepper Breeding Lines Possessing Resistance Alleles Against Tobamoviruses. Agriculture, 2015, 61, 33-37.	0.4	2
43	In Silico Retrieving of Opium Poppy (Papaver Somniferum L.) Microsatellites. Agriculture, 2015, 61, 149-156.	0.4	2
44	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
45	The impact of sewage sludge on the fungal communities in the rhizosphere and roots of barley and on barley yield. Open Life Sciences, 2021, 16, 210-221.	1.4	2
46	Agronomic and Economic Performance of Genetically Modified and Conventional Maize. Agriculture, 2018, 64, 87-93.	0.4	2
47	Nutritional quality of hemp seeds (Cannabis sativa L.) in different environments. Journal of Central European Agriculture, 2021, 22, 748-761.	0.6	2
48	Impact of Genetically Modified Stacked Maize NK603 Ã— MON810 on the Genetic Diversity of Rhizobacterial Communities. Agriculture, 2015, 61, 139-148.	0.4	1
49	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
50	Genetic Diversity in Domestic and Introduced Wheats. Agriculture, 2013, 59, 101-110.	0.4	1
51	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
52	Establishment of Stem Cell-like Cells of Sida hermaphrodita (L.) Rusby from Explants Containing Cambial Meristems. International Journal of Molecular Sciences, 2022, 23, 7644.	4.1	1
53	FLAVONOLS HPLC ANALYSIS, IN VITRO BIOLOGICAL ACTIVITIES IN SELECTED HUMULUS LUPULUS L. GENOTYPES. Nova Biotechnologica Et Chimica, 2013, 12, 129-140.	0.1	0
54	Genotyping of Vitis vinifera L. within the Slovak national collection of genetic resources. Open Life Sciences, 2014, 9, 761-767.	1.4	0

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55	One Century of Interactions Between Intensive Breeding and Genetic Diversity Conservation of Barley. Notulae Botanicae Horti Agrobotanici Cluj-Napoca, 2017, 45, 225-231.	1.1	0
56	Bacterial Communities in Rhizosphere of Maize Studied by T-RFLP. Agriculture, 2014, 60, 98-104.	0.4	0
57	Perception of biotech trees by Slovak university students â€“ a comparative survey. Nova Biotechnologica Et Chimica, 2017, 16, 12-19.	0.1	0