

Borut Bohanec

List of Publications by Year in descending order

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papers

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#	ARTICLE	IF	CITATIONS
1	DNA-Free Genome Editing of Brassica oleracea and B. rapa Protoplasts Using CRISPR-Cas9 Ribonucleoprotein Complexes. <i>Frontiers in Plant Science</i> , 2018, 9, 1594.	3.6	134
2	Haploids and Doubled Haploids in Plant Breeding. , 0, , .		89
3	Studies of gynogenesis in onion (<i>Allium cepa</i> L.): induction procedures and genetic analysis of regenerants. <i>Plant Science</i> , 1995, 104, 215-224.	3.6	88
4	Genetic relations among basil taxa (<i>Ocimum</i> L.) based on molecular markers, nuclear DNA content, and chromosome number. <i>Plant Systematics and Evolution</i> , 2010, 285, 13-22.	0.9	85
5	Origins of <i>Allium ampeloprasum</i> horticultural groups and a molecular phylogeny of the section <i>Allium</i> (<i>Allium</i> : Alliaceae). <i>Molecular Phylogenetics and Evolution</i> , 2010, 54, 488-497.	2.7	64
6	Genetic variability of economically important <i>Asparagus</i> species as revealed by genome size analysis and rDNA ITS polymorphisms. <i>Plant Science</i> , 2002, 162, 931-937.	3.6	63
7	Genetic characterization of selected <i>Trifolium</i> species as revealed by nuclear DNA content and ITS rDNA region analysis. <i>Plant Science</i> , 2006, 170, 859-866.	3.6	56
8	Chemodiversity of two closely related tetraploid <i>Centaureum</i> species and their hexaploid hybrid: Metabolomic search for high-resolution taxonomic classifiers. <i>Phytochemistry</i> , 2017, 140, 27-44.	2.9	37
9	Stimulation of androgenesis in white cabbage (<i>Brassica oleracea</i> var. <i>capitata</i>) anthers by low temperature and anther dissection. <i>Plant Cell, Tissue and Organ Culture</i> , 1993, 32, 241-246.	2.3	34
10	Genetic analyses of anthocyanin concentrations and intensity of red bulb color among segregating haploid progenies of onion. <i>Molecular Breeding</i> , 2014, 34, 75-85.	2.1	23
11	Why the European Union needs a national GMO opt-in mechanism. <i>Nature Biotechnology</i> , 2018, 36, 18-19.	17.5	23
12	Genetic Analyses of Gynogenetic Haploid Production in Onion. <i>Journal of the American Society for Horticultural Science</i> , 2003, 128, 571-574.	1.0	22
13	Genome size of Adriatic seagrasses. <i>Aquatic Botany</i> , 2003, 77, 17-25.	1.6	21
14	The development of onion (<i>Allium cepa</i> L.) Embryo sacs in vitro and gynogenesis induction in relation to flower size. <i>In Vitro Cellular and Developmental Biology - Plant</i> , 2005, 41, 446-452.	2.1	21
15	Embryological study on gynogenesis in onion (<i>Allium cepa</i> L.). <i>Sexual Plant Reproduction</i> , 2001, 13, 335-341.	2.2	20
16	Doubled haploid production in rocket (<i>Eruca sativa</i> Mill.) through isolated microspore culture. <i>Plant Cell, Tissue and Organ Culture</i> , 2008, 93, 181-189.	2.3	20
17	Deep sequencing analysis of CRISPR/Cas9 induced mutations by two delivery methods in target model genes and the CENH3 region of red cabbage (<i>Brassica oleracea</i> var. <i>capitata</i> f. <i>rubra</i>). <i>Plant Cell, Tissue and Organ Culture</i> , 2019, 139, 227-235.	2.3	18
18	Improvements of doubled haploid production protocol for white cabbage (<i>Brassica oleracea</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.8	14

#	ARTICLE	IF	CITATIONS
19	Effect of X-ray irradiation on olive shoot culture evaluated by morphological measurements, nuclear DNA content and SSR and AFLP markers. <i>Trees - Structure and Function</i> , 2013, 27, 1587-1595.	1.9	12
20	Haploid Induction in Hull-less Seed Pumpkin through Parthenogenesis Induced by X-ray-irradiated Pollen. <i>Journal of the American Society for Horticultural Science</i> , 2013, 138, 310-316.	1.0	12
21	Impact of abscisic acid in overcoming the problem of albinism in horse chestnut androgenic embryos. <i>Trees - Structure and Function</i> , 2013, 27, 755-762.	1.9	10
22	DNA labelling of varieties covered by patent protection: a new solution for managing intellectual property rights in the seed industry. <i>Transgenic Research</i> , 2017, 26, 87-95.	2.4	10
23	Onion Inbred Line 'B8667 A&B'™ and Synthetic Populations 'Sapporo-Ki-1 A&B'™ and 'Onion Haploid-1'™. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2007, 42, 1731-1732.	1.0	10
24	Haploid induction in <i>Mimulus aurantiacus</i> Curtis obtained by pollination with gamma irradiated pollen. <i>Scientia Horticulturae</i> , 2013, 162, 218-225.	3.6	9
25	Genetic Characterization of an Unknown Chinese Bulbous Leek-like Accession and its Relationship to Similar <i>Allium</i> Species. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2005, 40, 1690-1694.	1.0	9
26	Measurement of nuclear DNA content of the genus <i>Trifolium</i> L. as a measure of genebank accession identity. <i>Genetic Resources and Crop Evolution</i> , 2008, 55, 1323-1334.	1.6	8
27	<i>Agrobacterium tumefaciens</i> -mediated transformation of bush monkey-flower (<i>Mimulus aurantiacus</i>) Tj ETQq1 1 0.784314 rgBT /Over	2.3	8
28	Proposal of a New Hybrid Breeding Method Based on Genotyping, Inter-Pollination, Phenotyping and Paternity Testing of Selected Elite F1 Hybrids. <i>Frontiers in Plant Science</i> , 2019, 10, 1111.	3.6	8
29	Implementing an EU opt-in mechanism for GM crop cultivation. <i>EMBO Reports</i> , 2019, 20, .	4.5	8
30	Determination of aneuploids in hop (<i>Humulus lupulus</i> L.) using flow cytometry. <i>Pflügers Archiv European Journal of Physiology</i> , 2000, 439, r016-r018.	2.8	7
31	Ploidy and sex expression in monoecious hop (<i>Humulus lupulus</i>). <i>Botany</i> , 2012, 90, 617-626.	1.0	6
32	Occurrence of endophytic fungi causing recalcitrance of olive cultivar 'Istrska belica'™ during shoot culture establishment. <i>Archives of Biological Sciences</i> , 2016, 68, 177-186.	0.5	4
33	Adventitious regeneration in styrian oil pumpkin in relation to the endoreduplication pattern and induced tetraploidy on fusaric acid-supplemented media. <i>Plant Growth Regulation</i> , 2015, 75, 587-594.	3.4	3
34	Spatial and temporal patterns of secoiridoid and xanthone biosynthetic pathways during early development of <i>Centaurium erythraea</i> Rafn, as altered by ploidy level. <i>Industrial Crops and Products</i> , 2022, 186, 115146.	5.2	0