Jana Libantova

List of Publications by Year
in descending order

43 papers	709 citations	516710 16 h-index	552781 26 g-index
43 all docs	43 docs citations	43 times ranked	832 citing authors

#	Article	IF	Citations
1	Heavy-metal stress induced accumulation of chitinase isoforms in plants. Molecular Biology Reports, 2008, 35, 579-588.	2.3	91
2	Biochemical and physiological comparison of heavy metal-triggered defense responses in the monocot maize and dicot soybean roots. Molecular Biology Reports, 2011, 38, 3437-3446.	2.3	57
3	Tentacles of in vitro-grown round-leaf sundew (Drosera rotundifoliaL.) show induction of chitinase activity upon mimicking the presence of prey. Planta, 2005, 222, 1020-1027.	3.2	55
4	Study on metal-triggered callose deposition in roots of maize and soybean. Biologia (Poland), 2012, 67, 698-705.	1.5	40
5	Agrobacterium-mediated genetic transformation of economically important oilseed rape cultivars. Plant Cell, Tissue and Organ Culture, 2011, 107, 317-323.	2.3	38
6	Expression of a cucumber class III chitinase and Nicotiana plumbaginifoliaclass I glucanase genes in transgenic potato plants. Plant Cell, Tissue and Organ Culture, 2004, 79, 161-168.	2.3	36
7	Î²-1,3-glucanase and chitinase activities in winter triticales during cold hardening and subsequent infection by Microdochium nivale. Biologia (Poland), 2013, 68, 241-248.	1.5	34
8	Feasibility of the seed specific cruciferin C promoter in the self excision Cre/loxP strategy focused on generation of marker-free transgenic plants. Theoretical and Applied Genetics, 2008, 117, 1325-1334.	3.6	33
9	Plant chitinase responses to different metal-type stresses reveal specificity. Plant Cell Reports, 2014, 33, 1789-1799.	5.6	32
10	The influence of heat stress on auxin distribution in transgenic B. napus microspores and microspore-derived embryos. Protoplasma, 2014, 251, 1077-1087.	2.1	25
11	Detection of chitinolytic enzymes with different substrate specificity in tissues of intact sundew (Drosera rotundifolia L.). Molecular Biology Reports, 2009, 36, 851-856.	2.3	23
12	Expression of Drosera rotundifolia Chitinase in Transgenic Tobacco Plants Enhanced Their Antifungal Potential. Molecular Biotechnology, 2019, 61, 916-928.	2.4	22
13	Stress-induced expression of cucumber chitinase and Nicotiana plumbaginifolia Î²-1,3-glucanase genes in transgenic potato plants. Acta Physiologiae Plantarum, 2007, 29, 133-141.	2.1	20
14	Defense responses of soybean roots during exposure to cadmium, excess of nitrogen supply and combinations of these stressors. Molecular Biology Reports, 2012, 39, 10077-10087.	2.3	19
15	Glucan-rich diet is digested and taken up by the carnivorous sundew (Drosera rotundifolia L.): implication for a novel role of plant Î²-1,3-glucanases. Planta, 2013, 238, 715-725.	3.2	18
16	The promiscuity of heterospecific lox sites increases dramatically in the presence of palindromic DNA. Gene, 2002, 296, 129-137.	2.2	17
17	Cultivar-specific kinetics of chitinase induction in soybean roots during exposure to arsenic. Molecular Biology Reports, 2013, 40, 2127-2138.	2.3	17
18	Plant tissue-specific promoters can drive gene expression in Escherichia coli. Plant Cell, Tissue and Organ Culture, 2013, 113, 387-396.	2.3	17

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19	Structural and functional characterisation of a class I endochitinase of the carnivorous sundew (Drosera rotundifolia L.). Planta, 2017, 245, 313-327.	3.2	14
20	Maternal inheritance of chloroplast DNA in Pinus mugo Turra: a case study of Pinus mugoÂÃ—ÂPinus sylvestris crossing. Plant Systematics and Evolution, 2018, 304, 71-76.	0.9	13
21	Variable responses of soybean chitinases to arsenic and cadmium stress at the whole plant level. Plant Growth Regulation, 2015, 76, 147-155.	3.4	12
22	Biochemical and antifungal characteristics of recombinant class I chitinase from Drosera rotundifolia. International Journal of Biological Macromolecules, 2020, 161, 854-863.	7.5	9
23	Spacer length-dependent protection of specific activity of pollen and/or embryo promoters from influence of CaMV 35S promoter/enhancer in transgenic plants. Plant Cell, Tissue and Organ Culture, 2014, 118, 507-518.	2.3	8
24	Application of Arabidopsis tissue-specific CRUC promoter in the Cre/loxP self-excision strategy for generation of marker-free oilseed rape: potential advantages and drawbacks. Acta Physiologiae Plantarum, 2014, 36, 1399-1409.	2.1	8
25	Cd accumulation potential as a marker for heavy metal tolerance in soybean. Israel Journal of Plant Sciences, 2015, 62, 160-166.	0.5	8
26	The pollen- and embryo-specific Arabidopsis DLL promoter bears good potential for application in marker-free Cre/loxP self-excision strategy. Plant Cell Reports, 2015, 34, 469-481.	5.6	8
27	Molecular characterization and evolution of carnivorous sundew (Drosera rotundifolia L.) class V Î²-1,3-glucanase. Planta, 2017, 245, 77-91.	3.2	6
28	A modified low copy number binary vector pUN for Agrobacterium-mediated plant transformation. Biologia Plantarum, 2007, 51, 538-540.	1.9	5
29	Basic Î²-1,3-Glucanase from Drosera binata Exhibits Antifungal Potential in Transgenic Tobacco Plants. Plants, 2021, 10, 1747.	3.5	5
30	Reinforced evidence on partial compatibility between Pinus sylvestris and Pinus mugo and on maternal inheritance of chloroplast DNA in the Pinus mugo Ã— Pinus sylvestris cross. Silvae Genetica, 2020, 69, 108-115.	0.8	4
31	Development of embryo-like structures in the suspension cultures of flax coincides with secretion of chitinase-like proteins. Acta Physiologiae Plantarum, 2010, 32, 651-656.	2.1	3
32	Cre-mediated marker gene removal for production of biosafe commercial oilseed rape. Acta Physiologiae Plantarum, 2019, 41, 1.	2.1	3
33	Hybridization Processes in Putative Hybrid Swarms of Scots Pine and Mountain Dwarf Pine as Revealed by Chloroplast DNA. Acta Biologica Cracoviensia Series Botanica, 2015, 56, 61-66.	0.5	2
34	Expression Pattern of Arabidopsis Thaliana Pollen- and Embryo-Specific Promoter in Transgenic Tobacco Plants. Acta Biologica Cracoviensia Series Botanica, 2014, 56, 73-79.	0.5	1
35	The expression profile of Arabidopsis thaliana Î²-1,3-glucanase promoter in tobacco. Molecular Biology, 2015, 49, 543-549.	1.3	1
36	Sequence analysis of sundew chitinase gene. Journal of Microbiology, Biotechnology and Food Sciences, 2015, 04, 4-6.	0.8	1

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37	IN GEL DETECTION OF A HIS-TAGGED TRANSGENE FOLLOWING THE SEPARATION OF CRUDE PLANT PROTEIN EXTRACTS WITH SDS PAGE. Journal of Microbiology, Biotechnology and Food Sciences, 2019, 9, 127-131.	0.8	1
38	SIMPLE VERIFICATION OF in vitro â€“ GROWN CLONES OF THE GENUS Drosera L. USING ITS MOLECULAR MARKERS. Acta Scientiarum Polonorum, Hortorum Cultus, 2018, 17, 159-164.	0.6	1
39	NEGATIVE EFFECT OF METALLOID STRESS ON WHEAT. Journal of Microbiology, Biotechnology and Food Sciences, 2015, 4, 76-78.	0.8	1
40	Pollen fertility and seed viability of putative hybrid swarms of Pinus sylvestris and Pinus mugo in Slovakia. Silvae Genetica, 2019, 68, 14-21.	0.8	1
41	Modified small-scale batch procedure for isolation of dsRNA from Cryphonectria parasitica. Phytoprotection, 0, 88, 27-29.	0.3	0
42	Wheat pathogen resistance and chitinase profile. Journal of Microbiology, Biotechnology and Food Sciences, 2015, 04, 15-18.	0.8	0
43	Optimalisation of expression conditions for production of round-leaf sundew chitinase (Drosera) Tj ETQq1 1 0.784314 rgBT /Overlock 1104-1118.	0.6	0