

# Jana Libantova

## List of Publications by Year in descending order

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43  
papers

709  
citations

516215

16  
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552369

26  
g-index

43  
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43  
docs citations

43  
times ranked

832  
citing authors

#	ARTICLE	IF	CITATIONS
1	Heavy-metal stress induced accumulation of chitinase isoforms in plants. <i>Molecular Biology Reports</i> , 2008, 35, 579-588.	1.0	91
2	Biochemical and physiological comparison of heavy metal-triggered defense responses in the monocot maize and dicot soybean roots. <i>Molecular Biology Reports</i> , 2011, 38, 3437-3446.	1.0	57
3	Tentacles of in vitro-grown round-leaf sundew ( <i>Drosera rotundifolia</i> L.) show induction of chitinase activity upon mimicking the presence of prey. <i>Planta</i> , 2005, 222, 1020-1027.	1.6	55
4	Study on metal-triggered callose deposition in roots of maize and soybean. <i>Biologia (Poland)</i> , 2012, 67, 698-705.	0.8	40
5	<i>Agrobacterium</i> -mediated genetic transformation of economically important oilseed rape cultivars. <i>Plant Cell, Tissue and Organ Culture</i> , 2011, 107, 317-323.	1.2	38
6	Expression of a cucumber class III chitinase and <i>Nicotiana plumbaginifolia</i> class I glucanase genes in transgenic potato plants. <i>Plant Cell, Tissue and Organ Culture</i> , 2004, 79, 161-168.	1.2	36
7	$\beta$ -1,3-glucanase and chitinase activities in winter triticales during cold hardening and subsequent infection by <i>Microdochium nivale</i> . <i>Biologia (Poland)</i> , 2013, 68, 241-248.	0.8	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. <i>Theoretical and Applied Genetics</i> , 2008, 117, 1325-1334.	1.8	33
9	Plant chitinase responses to different metal-type stresses reveal specificity. <i>Plant Cell Reports</i> , 2014, 33, 1789-1799.	2.8	32
10	The influence of heat stress on auxin distribution in transgenic <i>B. napus</i> microspores and microspore-derived embryos. <i>Protoplasma</i> , 2014, 251, 1077-1087.	1.0	25
11	Detection of chitinolytic enzymes with different substrate specificity in tissues of intact sundew ( <i>Drosera rotundifolia</i> L.). <i>Molecular Biology Reports</i> , 2009, 36, 851-856.	1.0	23
12	Expression of <i>Drosera rotundifolia</i> Chitinase in Transgenic Tobacco Plants Enhanced Their Antifungal Potential. <i>Molecular Biotechnology</i> , 2019, 61, 916-928.	1.3	22
13	Stress-induced expression of cucumber chitinase and <i>Nicotiana plumbaginifolia</i> $\beta$ -1,3-glucanase genes in transgenic potato plants. <i>Acta Physiologiae Plantarum</i> , 2007, 29, 133-141.	1.0	20
14	Defense responses of soybean roots during exposure to cadmium, excess of nitrogen supply and combinations of these stressors. <i>Molecular Biology Reports</i> , 2012, 39, 10077-10087.	1.0	19
15	Glucan-rich diet is digested and taken up by the carnivorous sundew ( <i>Drosera rotundifolia</i> L.): implication for a novel role of plant $\beta$ -1,3-glucanases. <i>Planta</i> , 2013, 238, 715-725.	1.6	18
16	The promiscuity of heterospecific lox sites increases dramatically in the presence of palindromic DNA. <i>Gene</i> , 2002, 296, 129-137.	1.0	17
17	Cultivar-specific kinetics of chitinase induction in soybean roots during exposure to arsenic. <i>Molecular Biology Reports</i> , 2013, 40, 2127-2138.	1.0	17
18	Plant tissue-specific promoters can drive gene expression in <i>Escherichia coli</i> . <i>Plant Cell, Tissue and Organ Culture</i> , 2013, 113, 387-396.	1.2	17

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19	Structural and functional characterisation of a class I endochitinase of the carnivorous sundew ( <i>Drosera rotundifolia</i> L.). <i>Planta</i> , 2017, 245, 313-327.	1.6	14
20	Maternal inheritance of chloroplast DNA in <i>Pinus mugo</i> Turra: a case study of <i>Pinus mugo</i> — <i>Pinus sylvestris</i> crossing. <i>Plant Systematics and Evolution</i> , 2018, 304, 71-76.	0.3	13
21	Variable responses of soybean chitinases to arsenic and cadmium stress at the whole plant level. <i>Plant Growth Regulation</i> , 2015, 76, 147-155.	1.8	12
22	Biochemical and antifungal characteristics of recombinant class I chitinase from <i>Drosera rotundifolia</i> . <i>International Journal of Biological Macromolecules</i> , 2020, 161, 854-863.	3.6	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. <i>Plant Cell, Tissue and Organ Culture</i> , 2014, 118, 507-518.	1.2	8
24	Application of <i>Arabidopsis</i> tissue-specific CRUC promoter in the Cre/loxP self-excision strategy for generation of marker-free oilseed rape: potential advantages and drawbacks. <i>Acta Physiologiae Plantarum</i> , 2014, 36, 1399-1409.	1.0	8
25	Cd accumulation potential as a marker for heavy metal tolerance in soybean. <i>Israel Journal of Plant Sciences</i> , 2015, 62, 160-166.	0.3	8
26	The pollen- and embryo-specific <i>Arabidopsis</i> DLL promoter bears good potential for application in marker-free Cre/loxP self-excision strategy. <i>Plant Cell Reports</i> , 2015, 34, 469-481.	2.8	8
27	Molecular characterization and evolution of carnivorous sundew ( <i>Drosera rotundifolia</i> L.) class V $\beta$ -1,3-glucanase. <i>Planta</i> , 2017, 245, 77-91.	1.6	6
28	A modified low copy number binary vector pUN for <i>Agrobacterium</i> -mediated plant transformation. <i>Biologia Plantarum</i> , 2007, 51, 538-540.	1.9	5
29	Basic $\beta$ -1,3-Glucanase from <i>Drosera binata</i> Exhibits Antifungal Potential in Transgenic Tobacco Plants. <i>Plants</i> , 2021, 10, 1747.	1.6	5
30	Reinforced evidence on partial compatibility between <i>Pinus sylvestris</i> and <i>Pinus mugo</i> and on maternal inheritance of chloroplast DNA in the <i>Pinus mugo</i> — <i>Pinus sylvestris</i> cross. <i>Silvae Genetica</i> , 2020, 69, 108-115.	0.4	4
31	Development of embryo-like structures in the suspension cultures of flax coincides with secretion of chitinase-like proteins. <i>Acta Physiologiae Plantarum</i> , 2010, 32, 651-656.	1.0	3
32	Cre-mediated marker gene removal for production of biosafe commercial oilseed rape. <i>Acta Physiologiae Plantarum</i> , 2019, 41, 1.	1.0	3
33	Hybridization Processes in Putative Hybrid Swarms of Scots Pine and Mountain Dwarf Pine as Revealed by Chloroplast DNA. <i>Acta Biologica Cracoviensia Series Botanica</i> , 2015, 56, 61-66.	0.5	2
34	Expression Pattern of <i>Arabidopsis thaliana</i> Pollen- and Embryo-Specific Promoter in Transgenic Tobacco Plants. <i>Acta Biologica Cracoviensia Series Botanica</i> , 2014, 56, 73-79.	0.5	1
35	The expression profile of <i>Arabidopsis thaliana</i> $\beta$ -1,3-glucanase promoter in tobacco. <i>Molecular Biology</i> , 2015, 49, 543-549.	0.4	1
36	Sequence analysis of sundew chitinase gene. <i>Journal of Microbiology, Biotechnology and Food Sciences</i> , 2015, 04, 4-6.	0.4	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. <i>Journal of Microbiology, Biotechnology and Food Sciences</i> , 2019, 9, 127-131.	0.4	1
38	SIMPLE VERIFICATION OF <i>in vitro</i> "GROWN CLONES OF THE GENUS <i>Drosera</i> L. USING ITS MOLECULAR MARKERS. <i>Acta Scientiarum Polonorum, Hortorum Cultus</i> , 2018, 17, 159-164.	0.3	1
39	NEGATIVE EFFECT OF METALLOID STRESS ON WHEAT. <i>Journal of Microbiology, Biotechnology and Food Sciences</i> , 2015, 4, 76-78.	0.4	1
40	Pollen fertility and seed viability of putative hybrid swarms of <i>Pinus sylvestris</i> and <i>Pinus mugo</i> in Slovakia. <i>Silvae Genetica</i> , 2019, 68, 14-21.	0.4	1
41	Modified small-scale batch procedure for isolation of dsRNA from <i>Cryphonectria parasitica</i> . <i>Phytoprotection</i> , 0, 88, 27-29.	0.3	0
42	Wheat pathogen resistance and chitinase profile. <i>Journal of Microbiology, Biotechnology and Food Sciences</i> , 2015, 04, 15-18.	0.4	0
43	Optimalisation of expression conditions for production of round-leaf sundew chitinase ( <i>Drosera</i> ) Tj ETQq1 1 0.784314 rgBT /Overlock 1104-1118.	0.3	0