

# Jana MoravÄkovÄj

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8522660/publications.pdf>

Version: 2024-02-01

41  
papers

740  
citations

535685

17  
h-index

620720

26  
g-index

41  
all docs

41  
docs citations

41  
times ranked

965  
citing authors

#	ARTICLE	IF	CITATIONS
1	$\beta$ -1,3-Glucanases and chitinases participate in the stress-related defence mechanisms that are possibly connected with modulation of arabinogalactan proteins (AGP) required for the androgenesis initiation in rye ( <i>Secale cereale</i> L.). <i>Plant Science</i> , 2021, 302, 110700.	1.7	11
2	Proteins, Small Peptides and Other Signaling Molecules Identified as Inconspicuous but Possibly Important Players in Microspores Reprogramming Toward Embryogenesis. <i>Frontiers in Sustainable Food Systems</i> , 2021, 5, .	1.8	3
3	The effect of glutathione and mannitol on androgenesis in anther and isolated microspore cultures of rye ( <i>Secale cereale</i> L.). <i>Plant Cell, Tissue and Organ Culture</i> , 2020, 140, 577-592.	1.2	23
4	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
5	Cre-mediated marker gene removal for production of biosafe commercial oilseed rape. <i>Acta Physiologiae Plantarum</i> , 2019, 41, 1.	1.0	3
6	Effects of Nutrition on Wheat Photosynthetic Pigment Responses to Arsenic Stress. <i>Polish Journal of Environmental Studies</i> , 2019, 28, 1821-1829.	0.6	17
7	Nutrition supply affects the activity of pathogenesis-related $\beta$ -1,3-glucanases and chitinases in wheat. <i>Plant Growth Regulation</i> , 2017, 81, 443-453.	1.8	10
8	Introduction of a synthetic <i>Thermococcus</i> -derived $\beta$ -amylase gene into barley genome for increased enzyme thermostability in grains. <i>Electronic Journal of Biotechnology</i> , 2017, 30, 1-5.	1.2	1
9	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
10	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
11	Chitinase Activities in Wheat and Its Relative Species. <i>Agriculture</i> , 2017, 63, 14-22.	0.2	2
12	Variable dynamics of cadmium uptake and allocation in four soybean cultivars. <i>Nova Biotechnologica Et Chimica</i> , 2017, 16, 99-104.	0.1	3
13	Perception of biotech trees by Slovak university students – a comparative survey. <i>Nova Biotechnologica Et Chimica</i> , 2017, 16, 12-19.	0.1	0
14	Beta-1,3-Glucanase Activities in Wheat and Relative Species. <i>Nova Biotechnologica Et Chimica</i> , 2016, 15, 122-132.	0.1	5
15	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
16	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
17	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
18	<i>Agrobacterium tumefaciens</i> -mediated transformation of blackberry ( <i>Rubus fruticosus</i> L.). <i>Plant Cell, Tissue and Organ Culture</i> , 2015, 120, 351-354.	1.2	6

#	ARTICLE	IF	CITATIONS
19	Transformation of sundew: pitfalls and promises. <i>Plant Cell, Tissue and Organ Culture</i> , 2015, 120, 681-687.	1.2	7
20	Sequence analysis of sundew chitinase gene. <i>Journal of Microbiology, Biotechnology and Food Sciences</i> , 2015, 04, 4-6.	0.4	1
21	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
22	Plant chitinase responses to different metal-type stresses reveal specificity. <i>Plant Cell Reports</i> , 2014, 33, 1789-1799.	2.8	32
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 Arabidopsis 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	Expression Pattern of Arabidopsis Thaliana Pollen- and Embryo-Specific Promoter in Transgenic Tobacco Plants. <i>Acta Biologica Cracoviensia Series Botanica</i> , 2014, 56, 73-79.	0.5	1
26	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
27	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
28	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
29	$\beta$ -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
30	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
31	Study on metal-triggered callose deposition in roots of maize and soybean. <i>Biologia (Poland)</i> , 2012, 67, 698-705.	0.8	40
32	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
33	Agrobacterium-mediated genetic transformation of economically important oilseed rape cultivars. <i>Plant Cell, Tissue and Organ Culture</i> , 2011, 107, 317-323.	1.2	38
34	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
35	Agrobacterium-mediated transformation of embryogenic tissues of hybrid firs ( <i>Abies</i> spp.) and regeneration of transgenic emblings. <i>Biotechnology Letters</i> , 2009, 31, 647-652.	1.1	6
36	Heavy-metal stress induced accumulation of chitinase isoforms in plants. <i>Molecular Biology Reports</i> , 2008, 35, 579-588.	1.0	91

#	ARTICLE	IF	CITATIONS
37	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
38	Stress-induced expression of cucumber chitinase and <i>Nicotiana plumbaginifolia</i> Î <sup>2</sup> -1,3-glucanase genes in transgenic potato plants. <i>Acta Physiologiae Plantarum</i> , 2007, 29, 133-141.	1.0	20
39	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
40	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
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