Helena Lipavska

List of Publications by Year
in descending order

52	999	394421 19	454955 30
papers	citations	h-index	g-index

52	52	52	1148
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Versatile roles of sorbitol in higher plants: luxury resource, effective defender or something else?. Planta, 2022, 256, .	3.2	10
2	Integrative Study Supports the Role of Trehalose in Carbon Transfer From Fungi to Mycotrophic Orchid. Frontiers in Plant Science, 2021, 12, 793876.	3.6	10
3	Root cultures of potato mutant lacking MSPI isoform, indispensable for photosynthetic light reactions, exhibit characteristics similar to intact plant roots. Journal of Plant Physiology, 2020, 245, 153091.	3.5	0
4	Multi-Component Antioxidative System and Robust Carbohydrate Status, the Essence of Plant Arsenic Tolerance. Antioxidants, 2020, 9, 283.	5.1	30
5	The endangered Saharan cypress (Cupressus dupreziana): do not let it get into Charonâ€™s boat. Planta, 2020, 251, 63.	3.2	1
6	Expression of Arabidopsis WEE1 in tobacco induces unexpected morphological and developmental changes. Scientific Reports, 2019, 9, 8695.	3.3	3
7	Mixotrophic in vitro cultivations: the way to go astray in plant physiology. Physiologia Plantarum, 2019, 167, 365-377.	5.2	21
8	Two facets of world arsenic problem solution: crop poisoning restriction and enforcement of phytoremediation. Planta, 2018, 248, 19-35.	3.2	35
9	Carbohydrates and gibberellins relationship in potato tuberization. Journal of Plant Physiology, 2017, 214, 53-63.	3.5	24
10	Nonstructural carbohydrate-balance response to long-term elevated CO2 exposure in European beech and Norway spruce mixed cultures: biochemical and ultrastructural responses. Canadian Journal of Forest Research, 2017, 47, 1488-1494.	1.7	5
11	Utilization of exogenous saccharides by protocorms of two terrestrial orchids. Plant, Soil and Environment, 2017, 63, 152-158.	2.2	3
12	Norway spruce embryogenesis: changes in carbohydrate profile, structural development and response to polyethylene glycol. Tree Physiology, 2016, 36, 548-561.	3.1	15
13	Robust carbohydrate dynamics based on sucrose resynthesis in developing Norway spruce somatic embryos at variable sugar supply. In Vitro Cellular and Developmental Biology - Plant, 2014, 50, 45-57.	2.1	24
14	Asymbiotic germination of mature seeds and protocorm development ofPseudorchis albida(Orchidaceae) are inhibited by nitrates even at extremely low concentrations. Botany, 2013, 91, 662-670.	1.0	28
15	A yeast mitotic activator sensitises the shoot apical meristem to become floral in day-neutral tobacco. Planta, 2013, 238, 793-806.	3.2	2
16	Regulatory dephosphorylation of CDK at G2/M in plants: yeast mitotic phosphatase cdc25 induces cytokinin-like effects in transgenic tobacco morphogenesis. Annals of Botany, 2011, 107, 1071-1086.	2.9	25
17	Defence responses induced in embryogenic cultures of Norway spruce by two fractions of Gremmeniella abietina mycelia. Forest Pathology, 2010, 40, 467-484.	1.1	3
18	Cryoproective role of ribitol in Xanthoparmelia somloensis. Biologia Plantarum, 2009, 53, 677-684.	1.9	17

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19	Tobacco cells transformed with the fission yeast Spcdc25 mitotic inducer display growth and morphological characteristics as well as starch and sugar status evocable by cytokinin application. Plant Physiology and Biochemistry, 2008, 46, 673-684.	5.8	5
20	Morphological and molecular characterization of a spontaneously tuberizing potato mutant: an insight into the regulatory mechanisms of tuber induction. BMC Plant Biology, 2008, 8, 117.	3.6	30
21	Storage lipid dynamics in somatic embryos of Norway spruce (Picea abies): histochemical and quantitative analyses. Tree Physiology, 2007, 27, 1533-1540.	3.1	18
22	The effect of abiotic stresses on carbohydrate status of olive shoots (Olea europaea L.) under in vitro conditions. Journal of Plant Physiology, 2007, 164, 174-184.	3.5	73
23	The fission yeast mitotic activator cdc25 and sucrose induce early flowering synergistically in the dayâ€neutral Nicotiana tabacum cv. Samsun. New Phytologist, 2007, 176, 804-812.	7.3	7
24	The Influence of Nitrogen Nutrition on the Carbohydrate and Nitrogen Status of Emergent Macrophyte Acorus calamus L.. Hydrobiologia, 2006, 563, 73-85.	2.0	15
25	Influence of nutrient supply on growth, carbohydrate, and nitrogen metabolic relations in Typha angustifolia. Environmental and Experimental Botany, 2006, 57, 246-257.	4.2	50
26	Tobacco BY-2 cells expressing fission yeast cdc25 bypass a G2/M block on the cell cycle. Plant Journal, 2005, 44, 290-299.	5.7	39
27	Somatic embryogenesis in conifers: The role of carbohydrate metabolism. In Vitro Cellular and Developmental Biology - Plant, 2004, 40, 23-30.	2.1	92
28	Expression of the fission yeast cell cycle regulator cdc25 induces de novo shoot formation in tobacco: evidence of a cytokinin-like effect by this mitotic activator. Plant Physiology and Biochemistry, 2004, 42, 49-55.	5.8	16
29	Cold-induced accumulation of raffinose family oligosaccharides in somatic embryos of Norway spruce (Picea abies). In Vitro Cellular and Developmental Biology - Plant, 2003, 39, 425-427.	2.1	13
30	Sucrose metabolism during somatic and zygotic embryogeneses in Norway spruce: content of soluble saccharides and localisation of key enzyme activities. Journal of Plant Physiology, 2002, 159, 387-396.	3.5	31
31	Mannitol utilisation by celery (Apium graveolens) plants grown under different conditions in vitro. Plant Science, 2002, 163, 907-916.	3.6	17
32	Comparing carbohydrate status during norway spruce seed development and somatic embryo formation. In Vitro Cellular and Developmental Biology - Plant, 2001, 37, 24-28.	2.1	26
33	Efficient In Vitro Micropropagation and Regeneration of Humulus Lupulus on Low Sugar, Starch-Gelrite Media. Biologia Plantarum, 2001, 44, 7-12.	1.9	14
34	Ex Vitro Phenotype Stability is Affected by In Vitro Cultivation. Biologia Plantarum, 2001, 44, 321-324.	1.9	26
35	Non-structural carbohydrate status in Norway spruce buds in the context of annual bud structural development as affected by acidic pollution. Environmental and Experimental Botany, 2000, 43, 253-265.	4.2	15
36	Effect of Paclobutrazol on Soluble Sugars and Starch Content of de novo Regenerating Potato Stem Explants. Biologia Plantarum, 2000, 43, 137-139.	1.9	1

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37	Carbohydrate status during somatic embryo maturation in Norway spruce. In Vitro Cellular and Developmental Biology - Plant, 2000, 36, 260-267.	2.1	35
38	Annual dynamics of the content of non-structural saccharides in the context of structural development of vegetative buds of Norway spruce. Journal of Plant Physiology, 2000, 157, 365-373.	3.5	33
39	Somatic embryogenesis in Norway spruce: Anatomical study of embryo development and influence of polyethylene glycol on maturation process. Plant Physiology and Biochemistry, 1999, 37, 209-221.	5.8	56
40	The efficiency of transfer of plants cultivated in vitro to ex vitro conditions as affected by sugar supply. Biologia Plantarum, 1998, 41, 507-513.	1.9	8
41	Uptake of mannitol from the media by in vitro grown plants. Plant Cell, Tissue and Organ Culture, 1996, 45, 103-107.	2.3	61
42	The Effect of Exogenous Sugar Supply and Nitrogen Deficiency on Dry Matter Allocation in Rape Seedlings Grown in vitro. Biochemie Und Physiologie Der Pflanzen, 1992, 188, 261-266.	0.5	1
43	Production of quinomycin A inStreptomyces lasaliensis. Folia Microbiologica, 1987, 32, 1-5.	2.3	20
44	Synthesis and biological activity of (7S)-O-epoxyalkyl derivatives of daunomycinone.. Journal of Antibiotics, 1985, 38, 1714-1718.	2.0	4
45	7-O-Alkenyl and alkynyl derivatives of daunomycinone. Collection of Czechoslovak Chemical Communications, 1985, 50, 2625-2633.	1.0	3
46	Preparative chromatography of epimers and anomers of daunomycin derivatives on Sephadex LH-20. Journal of Chromatography A, 1985, 329, 193-195.	3.7	2
47	7-O-Alkyl derivatives of daunomycinone. Collection of Czechoslovak Chemical Communications, 1984, 49, 313-319.	1.0	4
48	Reaction of daunomycinone with diols. Collection of Czechoslovak Chemical Communications, 1984, 49, 653-665.	1.0	7
49	Thin-layer chromatographic separation of new semisynthetic derivatives of daunomycinone. Journal of Chromatography A, 1983, 257, 185-187.	3.7	2
50	High-Performance Liquid Chromatography of New Semisynthetic Daunomycinone Derivatives. Journal of Liquid Chromatography and Related Technologies, 1982, 5, 1967-1972.	1.0	1
51	The screening of microorganisms for hydroxylation activity: Hydroxylation of diamantanols. Biotechnology Letters, 1982, 4, 563-566.	2.2	6
52	Ultrastructure of Bacillus licheniformis bacteriophage BLE and its DNA. Virology, 1977, 77, 872-875.	2.4	12