

Lenka Plačková

List of Publications by Year in descending order

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35
papers

1,021
citations

489802

18
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511568

30
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all docs

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docs citations

36
times ranked

1395
citing authors

#	ARTICLE	IF	CITATIONS
1	CYTOKININ RESPONSE FACTOR 2 is involved in modulating the salt stress response. <i>Plant Journal</i> , 2022, 110, 1097-1110.	2.8	10
2	Cytokinin oxidase/dehydrogenase inhibitors: outlook for selectivity and high efficiency. <i>Journal of Experimental Botany</i> , 2022, 73, 4806-4817.	2.4	4
3	New Water-Soluble Cytokinin Derivatives and Their Beneficial Impact on Barley Yield and Photosynthesis. <i>Journal of Agricultural and Food Chemistry</i> , 2022, 70, 7288-7301.	2.4	2
4	Topolin cytokinins enhanced shoot proliferation, reduced hyperhydricity and altered cytokinin metabolism in <i>Pistacia vera</i> L. seedling explants. <i>Plant Science</i> , 2022, 322, 111360.	1.7	7
5	In vitro and ex vivo vegetative propagation and cytokinin profiles of <i>Sceletium tortuosum</i> (L.) N. E. Br.: a South African medicinal plant. <i>Plant Cell, Tissue and Organ Culture</i> , 2021, 145, 191-202.	1.2	8
6	Clade III cytokinin response factors share common roles in response to oxidative stress responses linked to cytokinin synthesis. <i>Journal of Experimental Botany</i> , 2021, 72, 3294-3306.	2.4	4
7	Soil nutrient status of KwaZulu Natal savanna and grassland biomes causes variation in cytokinin functional groups and their levels in above-ground and underground parts of three legumes. <i>Physiology and Molecular Biology of Plants</i> , 2021, 27, 1337-1351.	1.4	0
8	Interactive effects of plant growth-promoting rhizobacteria and a seaweed extract on the growth and physiology of <i>Allium cepa</i> L. (onion). <i>Journal of Plant Physiology</i> , 2021, 262, 153437.	1.6	29
9	Non-cell autonomous and spatiotemporal signalling from a tissue organizer orchestrates root vascular development. <i>Nature Plants</i> , 2021, 7, 1485-1494.	4.7	42
10	Cell-surface receptors enable perception of extracellular cytokinins. <i>Nature Communications</i> , 2020, 11, 4284.	5.8	47
11	Bioactive molecules derived from smoke and seaweed <i>Ecklonia maxima</i> showing phytohormone-like activity in <i>Spinacia oleracea</i> L.. <i>New Biotechnology</i> , 2019, 48, 83-89.	2.4	73
12	Role of Smoke Stimulatory and Inhibitory Biomolecules in Phytochrome-Regulated Seed Germination of <i>Lactuca sativa</i> . <i>Plant Physiology</i> , 2019, 181, 458-470.	2.3	25
13	The effects of novel synthetic cytokinin derivatives and endogenous cytokinins on the in vitro growth responses of hemp (<i>Cannabis sativa</i> L.) explants. <i>Plant Cell, Tissue and Organ Culture</i> , 2019, 139, 381-394.	1.2	37
14	Elucidating the role of Kelpak® on the growth, phytohormone composition, and phenolic acids in macronutrient-stressed <i>Ceratotheca triloba</i> . <i>Journal of Applied Phycology</i> , 2019, 31, 2687-2697.	1.5	3
15	Multifaceted activity of cytokinin in leaf development shapes its size and structure in <i>Arabidopsis</i> . <i>Plant Journal</i> , 2019, 97, 805-824.	2.8	74
16	How Do Different Watering Regimes Affect the Growth, Chlorophyll Fluorescence, Phytohormone, and Phenolic Acid Content of Greenhouse-Grown <i>Ceratotheca triloba</i> ?. <i>Journal of Plant Growth Regulation</i> , 2019, 38, 385-399.	2.8	9
17	Deciphering the growth pattern and phytohormonal content in Saskatoon berry (<i>Amelanchier</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10	2.4	10
18	Plant growth regulator interactions in physiological processes for controlling plant regeneration and in vitro development of <i>Tulbaghia simmleri</i> . <i>Journal of Plant Physiology</i> , 2018, 223, 65-71.	1.6	21

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19	Salt and oxidative stresses uniquely regulate tomato cytokinin levels and transcriptomic response. <i>Plant Direct</i> , 2018, 2, e00071.	0.8	28
20	Cytokinin signalling regulates organ identity via AHK4 receptor in <i>Arabidopsis</i> . <i>Development</i> (Cambridge), 2018, 145, .	1.2	32
21	The interplay between cytokinins and light during senescence in detached <i>Arabidopsis</i> leaves. <i>Plant, Cell and Environment</i> , 2018, 41, 1870-1885.	2.8	23
22	Regulating the regulators: responses of four plant growth regulators during clonal propagation of <i>Lachenalia montana</i> . <i>Plant Growth Regulation</i> , 2017, 82, 305-315.	1.8	8
23	Microscale magnetic microparticle-based immunopurification of cytokinins from <i>Arabidopsis</i> root apex. <i>Plant Journal</i> , 2017, 89, 1065-1075.	2.8	12
24	Cytokinin profiles in ex vitro acclimatized <i>Eucomis autumnalis</i> plants pre-treated with smoke-derived karrikinolide. <i>Plant Cell Reports</i> , 2016, 35, 227-238.	2.8	5
25	Auxin-cytokinin interaction and variations in their metabolic products in the regulation of organogenesis in two <i>Eucomis</i> species. <i>New Biotechnology</i> , 2016, 33, 883-890.	2.4	16
26	Seaweed-Derived Biostimulant (Kelpak®) Influences Endogenous Cytokinins and Bioactive Compounds in Hydroponically Grown <i>Eucomis autumnalis</i> . <i>Journal of Plant Growth Regulation</i> , 2016, 35, 151-162.	2.8	34
27	Accumulation pattern of endogenous cytokinins and phenolics in different organs of 1-year-old cytokinin pre-incubated plants: implications for conservation. <i>Plant Biology</i> , 2015, 17, 1146-1155.	1.8	10
28	Roles of Proteome Dynamics and Cytokinin Signaling in Root to Hypocotyl Ratio Changes Induced by Shading Roots of <i>Arabidopsis</i> Seedlings. <i>Plant and Cell Physiology</i> , 2015, 56, 1006-1018.	1.5	28
29	Cytokinin profiling of long-term in vitro pea (<i>Pisum sativum</i> L.) shoot cultures. <i>Plant Growth Regulation</i> , 2015, 77, 125-132.	1.8	13
30	Cell-Type-Specific Cytokinin Distribution within the <i>Arabidopsis</i> Primary Root Apex. <i>Plant Cell</i> , 2015, 27, 1955-1967.	3.1	143
31	Dissecting the role of two cytokinin analogues (INCYDE and PI-55) on in vitro organogenesis, phytohormone accumulation, phytochemical content and antioxidant activity. <i>Plant Science</i> , 2015, 238, 81-94.	1.7	19
32	Endogenous cytokinin profiles of tissue-cultured and acclimatized 'Williams' bananas subjected to different aromatic cytokinin treatments. <i>Plant Science</i> , 2014, 214, 88-98.	1.7	22
33	How does exogenously applied cytokinin type affect growth and endogenous cytokinins in micropropagated <i>Merwillia plumbea</i> ?. <i>Plant Cell, Tissue and Organ Culture</i> , 2014, 118, 245-256.	1.2	30
34	Physiological responses and endogenous cytokinin profiles of tissue-cultured 'Williams' bananas in relation to roscovitine and an inhibitor of cytokinin oxidase/dehydrogenase (INCYDE) treatments. <i>Planta</i> , 2012, 236, 1775-1790.	1.6	19
35	A new approach for cytokinin isolation from <i>Arabidopsis</i> tissues using miniaturized purification: pipette tip solid-phase extraction. <i>Plant Methods</i> , 2012, 8, 17.	1.9	174