

Lucie Pláhalová

List of Publications by Year in descending order

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papers

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933264

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#	ARTICLE	IF	CITATIONS
1	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
2	Synthesis and Chemistry of Meta-Topolin and Related Compounds. , 2021, , 11-22.		0
3	Cytokinin fluoroprobe reveals multiple sites of cytokinin perception at plasma membrane and endoplasmic reticulum. <i>Nature Communications</i> , 2020, 11, 4285.	5.8	64
4	Naturally Occurring and Artificial N9-Cytokinin Conjugates: From Synthesis to Biological Activity and Back. <i>Biomolecules</i> , 2020, 10, 832.	1.8	19
5	Aromatic Cytokinin Arabinosides Promote PAMP-like Responses and Positively Regulate Leaf Longevity. <i>ACS Chemical Biology</i> , 2020, 15, 1949-1963.	1.6	22
6	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
7	6-Substituted purines as ROCK inhibitors with anti-metastatic activity. <i>Bioorganic Chemistry</i> , 2019, 90, 103005.	2.0	7
8	Design, synthesis and perception of fluorescently labeled isoprenoid cytokinins. <i>Phytochemistry</i> , 2018, 150, 1-11.	1.4	7
9	Deciphering the growth pattern and phytohormonal content in Saskatoon berry (<i>Amelanchier</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10	2.4	10
10	New cytokinin derivatives possess UVA and UVB photoprotective effect on human skin cells and prevent oxidative stress. <i>European Journal of Medicinal Chemistry</i> , 2018, 150, 946-957.	2.6	21
11	Total synthesis of [¹⁵ N]-labelled C6-substituted purines from [¹⁵ N]-formamide easy preparation of isotopically labelled cytokinins and derivatives. <i>Royal Society Open Science</i> , 2018, 5, 181322.	1.1	6
12	Role of Cytokinins in Senescence, Antioxidant Defence and Photosynthesis. <i>International Journal of Molecular Sciences</i> , 2018, 19, 4045.	1.8	131
13	Differential responses to isoprenoid, N 6-substituted aromatic cytokinins and indole-3-butyric acid in direct plant regeneration of <i>Eriocephalus africanus</i> . <i>Plant Growth Regulation</i> , 2017, 82, 103-110.	1.8	7
14	Synthesis of aromatic cytokinins for plant biotechnology. <i>New Biotechnology</i> , 2016, 33, 614-624.	2.4	28
15	C2-substituted aromatic cytokinin sugar conjugates delay the onset of senescence by maintaining the activity of the photosynthetic apparatus. <i>Phytochemistry</i> , 2016, 122, 22-33.	1.4	20
16	Physiological and biochemical effects of a tetrahydropyranyl-substituted meta-topolin in micropropagated <i>Merwillia plumbea</i> . <i>Plant Cell, Tissue and Organ Culture</i> , 2015, 121, 579-590.	1.2	23
17	Effect of a novel aromatic cytokinin derivative on phytochemical levels and antioxidant potential in greenhouse grown <i>Merwillia plumbea</i> . <i>Plant Cell, Tissue and Organ Culture</i> , 2014, 119, 501-509.	1.2	9
18	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