

Jaroslav Nisler

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

662
citations

858243

12
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721071

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27
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27
times ranked

786
citing authors

#	ARTICLE	IF	CITATIONS
1	Cytokinin oxidase/dehydrogenase inhibitors: outlook for selectivity and high efficiency. <i>Journal of Experimental Botany</i> , 2022, 73, 4806-4817.	2.4	4
2	Diphenylurea-derived cytokinin oxidase/dehydrogenase inhibitors for biotechnology and agriculture. <i>Journal of Experimental Botany</i> , 2021, 72, 355-370.	2.4	27
3	Cytokinin Properties of Meta-Topolin and Related Compounds. , 2021, , 23-30.		1
4	Cytokinin oxidase/dehydrogenase inhibitors stimulate 2iP to induce direct somatic embryogenesis in <i>Coffea arabica</i> . <i>Plant Growth Regulation</i> , 2021, 94, 195-200.	1.8	10
5	Improvement of Tillering and Grain Yield by Application of Cytokinin Derivatives in <i>Wheat</i> and <i>Barley</i> . <i>Agronomy</i> , 2021, 11, 67.	1.3	17
6	Targeting Cytokinin Homeostasis in Rapid Cycling <i>Brassica rapa</i> with Plant Growth Regulators INCYDE and TD-K. <i>Plants</i> , 2021, 10, 39.	1.6	5
7	Characterization of five CHASE-containing histidine kinase receptors from <i>Populus canadensis</i> cv. <i>Robusta</i> sensing isoprenoid and aromatic cytokinins. <i>Planta</i> , 2020, 251, 1.	1.6	92
8	Cytokinin fluoroprobe reveals multiple sites of cytokinin perception at plasma membrane and endoplasmic reticulum. <i>Nature Communications</i> , 2020, 11, 4285.	5.8	64
9	A Novel Method for Synthesis of <i>cis</i> -Zeatin and Its Valuable Precursor (Z)-4-Chloro-2-methyl-but-2-en-1-ol. <i>Organic Preparations and Procedures International</i> , 2019, 51, 368-374.	0.6	1
10	Design, synthesis and perception of fluorescently labeled isoprenoid cytokinins. <i>Phytochemistry</i> , 2018, 150, 1-11.	1.4	7
11	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
12	TDZ: Mode of Action, Use and Potential in Agriculture. , 2018, , 37-59.		13
13	Role of Cytokinins in Senescence, Antioxidant Defence and Photosynthesis. <i>International Journal of Molecular Sciences</i> , 2018, 19, 4045.	1.8	131
14	Phenolic and flavonoid production and antimicrobial activity of <i>Gymnosporia buxifolia</i> (L.) Szyszyl cell cultures. <i>Plant Growth Regulation</i> , 2018, 86, 333-338.	1.8	5
15	New Urea Derivatives Are Effective Anti-senescence Compounds Acting Most Likely via a Cytokinin-Independent Mechanism. <i>Frontiers in Plant Science</i> , 2018, 9, 1225.	1.7	9
16	Preparation, characterization and biological activity of C8-substituted cytokinins. <i>Phytochemistry</i> , 2017, 135, 115-127.	1.4	7
17	Novel thidiazuron-derived inhibitors of cytokinin oxidase/dehydrogenase. <i>Plant Molecular Biology</i> , 2016, 92, 235-248.	2.0	43
18	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

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19	Seed development, seed germination and seedling growth in the R50 (<i>sym16</i>) pea mutant are not directly linked to altered cytokinin homeostasis. <i>Physiologia Plantarum</i> , 2012, 145, 341-359.	2.6	8
20	N9-Substituted N6-[(3-methylbut-2-en-1-yl)amino]purine derivatives and their biological activity in selected cytokinin bioassays. <i>Bioorganic and Medicinal Chemistry</i> , 2011, 19, 7244-7251.	1.4	23
21	N9-substituted derivatives of kinetin: Effective anti-senescence agents. <i>Phytochemistry</i> , 2011, 72, 821-831.	1.4	39
22	Cytokinin receptor antagonists derived from 6-benzylaminopurine. <i>Phytochemistry</i> , 2010, 71, 823-830.	1.4	50
23	Phenyl- and benzylurea cytokinins as competitive inhibitors of cytokinin oxidase/dehydrogenase: A structural study. <i>Biochimie</i> , 2010, 92, 1052-1062.	1.3	53
24	Nebularine Affects Plant Growth and Development but does not Interfere with Cytokinin Signaling. <i>Journal of Plant Growth Regulation</i> , 2009, 28, 321-330.	2.8	1
25	Cytokinin activity of disubstituted aminopurines in <i>Amaranthus</i> . <i>Journal of Plant Physiology</i> , 2009, 166, 1529-1536.	1.6	12