

Jaroslav Nisler

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5243799/publications.pdf>

Version: 2024-02-01

25
papers

662
citations

759233

12
h-index

642732

23
g-index

27
all docs

27
docs citations

27
times ranked

733
citing authors

#	ARTICLE	IF	CITATIONS
1	Role of Cytokinins in Senescence, Antioxidant Defence and Photosynthesis. <i>International Journal of Molecular Sciences</i> , 2018, 19, 4045.	4.1	131
2	Characterization of five CHASE-containing histidine kinase receptors from <i>Populus canadensis</i> cv. Robusta sensing isoprenoid and aromatic cytokinins. <i>Planta</i> , 2020, 251, 1.	3.2	92
3	Cytokinin fluoroprobe reveals multiple sites of cytokinin perception at plasma membrane and endoplasmic reticulum. <i>Nature Communications</i> , 2020, 11, 4285.	12.8	64
4	Phenyl- and benzylurea cytokinins as competitive inhibitors of cytokinin oxidase/dehydrogenase: A structural study. <i>Biochimie</i> , 2010, 92, 1052-1062.	2.6	53
5	Cytokinin receptor antagonists derived from 6-benzylaminopurine. <i>Phytochemistry</i> , 2010, 71, 823-830.	2.9	50
6	Novel thiazuron-derived inhibitors of cytokinin oxidase/dehydrogenase. <i>Plant Molecular Biology</i> , 2016, 92, 235-248.	3.9	43
7	N9-substituted derivatives of kinetin: Effective anti-senescence agents. <i>Phytochemistry</i> , 2011, 72, 821-831.	2.9	39
8	Diphenylurea-derived cytokinin oxidase/dehydrogenase inhibitors for biotechnology and agriculture. <i>Journal of Experimental Botany</i> , 2021, 72, 355-370.	4.8	27
9	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.	3.0	23
10	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.	3.5	21
11	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.	3.6	19
12	Improvement of Tillering and Grain Yield by Application of Cytokinin Derivatives in Wheat and Barley. <i>Agronomy</i> , 2021, 11, 67.	3.0	17
13	TDZ: Mode of Action, Use and Potential in Agriculture. , 2018, , 37-59.		13
14	Cytokinin activity of disubstituted aminopurines in <i>Amaranthus</i> . <i>Journal of Plant Physiology</i> , 2009, 166, 1529-1536.	3.5	12
15	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.	3.4	10
16	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.	3.6	9
17	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.	5.2	8
18	Preparation, characterization and biological activity of C8-substituted cytokinins. <i>Phytochemistry</i> , 2017, 135, 115-127.	2.9	7

#	ARTICLE	IF	CITATIONS
19	Design, synthesis and perception of fluorescently labeled isoprenoid cytokinins. <i>Phytochemistry</i> , 2018, 150, 1-11.	2.9	7
20	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.	3.4	5
21	Targeting Cytokinin Homeostasis in Rapid Cycling <i>Brassica rapa</i> with Plant Growth Regulators INCYDE and TD-K. <i>Plants</i> , 2021, 10, 39.	3.5	5
22	Cytokinin oxidase/dehydrogenase inhibitors: outlook for selectivity and high efficiency. <i>Journal of Experimental Botany</i> , 2022, 73, 4806-4817.	4.8	4
23	Nebularine Affects Plant Growth and Development but does not Interfere with Cytokinin Signaling. <i>Journal of Plant Growth Regulation</i> , 2009, 28, 321-330.	5.1	1
24	A Novel Method for Synthesis of cis-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.	1.3	1
25	Cytokinin Properties of Meta-Topolin and Related Compounds. , 2021, , 23-30.		1