Jaroslav Nisler

List of Publications by Year
in descending order

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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	Cytokinin oxidase/dehydrogenase inhibitors: outlook for selectivity and high efficiency. Journal of Experimental Botany, 2022, 73, 4806-4817.	4.8	4
2	Diphenylurea-derived cytokinin oxidase/dehydrogenase inhibitors for biotechnology and agriculture. Journal of Experimental Botany, 2021, 72, 355-370.	4.8	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 Coffea arabica. Plant Growth Regulation, 2021, 94, 195-200.	3.4	10
5	Improvement of Tillering and Grain Yield by Application of Cytokinin Derivatives in Wheat and Barley. Agronomy, 2021, 11, 67.	3.0	17
6	Targeting Cytokinin Homeostasis in Rapid Cycling Brassica rapa with Plant Growth Regulators INCYDE and TD-K. Plants, 2021, 10, 39.	3.5	5
7	Characterization of five CHASE-containing histidine kinase receptors from Populusâ€‰Ã—â€‰canadensis cv. Robusta sensing isoprenoid and aromatic cytokinins. Planta, 2020, 251, 1.	3.2	92
8	Cytokinin fluoroprobe reveals multiple sites of cytokinin perception at plasma membrane and endoplasmic reticulum. Nature Communications, 2020, 11, 4285.	12.8	64
9	A Novel Method for Synthesis of cis-Zeatin and Its Valuable Precursor (Z)-4-Chloro-2-methyl-but-2-en-1-ol. Organic Preparations and Procedures International, 2019, 51, 368-374.	1.3	1
10	Design, synthesis and perception of fluorescently labeled isoprenoid cytokinins. Phytochemistry, 2018, 150, 1-11.	2.9	7
11	Plant growth regulator interactions in physiological processes for controlling plant regeneration and in vitro development of Tulbaghia simmleri. Journal of Plant Physiology, 2018, 223, 65-71.	3.5	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. International Journal of Molecular Sciences, 2018, 19, 4045.	4.1	131
14	Phenolic and flavonoid production and antimicrobial activity of Gymnosporia buxifolia (L.) Szyszyl cell cultures. Plant Growth Regulation, 2018, 86, 333-338.	3.4	5
15	New Urea Derivatives Are Effective Anti-senescence Compounds Acting Most Likely via a Cytokinin-Independent Mechanism. Frontiers in Plant Science, 2018, 9, 1225.	3.6	9
16	Preparation, characterization and biological activity of C8-substituted cytokinins. Phytochemistry, 2017, 135, 115-127.	2.9	7
17	Novel thidiazuron-derived inhibitors of cytokinin oxidase/dehydrogenase. Plant Molecular Biology, 2016, 92, 235-248.	3.9	43
18	Dissecting the role of two cytokinin analogues (INCYDE and PI-55) on in vitro organogenesis, phytohormone accumulation, phytochemical content and antioxidant activity. Plant Science, 2015, 238, 81-94.	3.6	19

#	Article	IF	Citations
19	Seed development, seed germination and seedling growth in the R50 (sym16) pea mutant are not directly linked to altered cytokinin homeostasis. Physiologia Plantarum, 2012, 145, 341-359.	5.2	8
20	N9-Substituted N6-[(3-methylbut-2-en-1-yl)amino]purine derivatives and their biological activity in selected cytokinin bioassays. Bioorganic and Medicinal Chemistry, 2011, 19, 7244-7251.	3.0	23
21	N9-substituted derivatives of kinetin: Effective anti-senescence agents. Phytochemistry, 2011, 72, 821-831.	2.9	39
22	Cytokinin receptor antagonists derived from 6-benzylaminopurine. Phytochemistry, 2010, 71, 823-830.	2.9	50
23	Phenyl- and benzylurea cytokinins as competitive inhibitors of cytokinin oxidase/dehydrogenase: A structural study. Biochimie, 2010, 92, 1052-1062.	2.6	53
24	Nebularine Affects Plant Growth and Development but does not Interfere with Cytokinin Signaling. Journal of Plant Growth Regulation, 2009, 28, 321-330.	5.1	1
25	Cytokinin activity of disubstituted aminopurines in Amaranthus. Journal of Plant Physiology, 2009, 166, 1529-1536.	3.5	12