

Miroslav Strnad

List of Publications by Year in descending order

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381
papers

21,076
citations

9786

73
h-index

15732

125
g-index

392
all docs

392
docs citations

392
times ranked

18505
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis and cytotoxic activity of 1,2,3-triazoles derived from 2,3-seco-dihydrobetulin via a click chemistry approach. <i>Journal of Molecular Structure</i> , 2022, 1250, 131751.	3.6	15
2	Cold-induced secondary dormancy and its regulatory mechanisms in <i>Beta vulgaris</i> . <i>Plant, Cell and Environment</i> , 2022, 45, 1315-1332.	5.7	9
3	Seasonal variation of phenolic compounds in <i>Zostera marina</i> (Zosteraceae) from the Baltic Sea. <i>Phytochemistry</i> , 2022, 196, 113099.	2.9	4
4	The Effects of Exogenous Salicylic Acid on Endogenous Phytohormone Status in <i>Hordeum vulgare</i> L. under Salt Stress. <i>Plants</i> , 2022, 11, 618.	3.5	24
5	The Phenolics and Antioxidant Properties of Black and Purple versus White Eggplant Cultivars. <i>Molecules</i> , 2022, 27, 2410.	3.8	8
6	The Phytotoxin Myrigalone A Triggers a Phased Detoxification Programme and Inhibits <i>Lepidium sativum</i> Seed Germination via Multiple Mechanisms including Interference with Auxin Homeostasis. <i>International Journal of Molecular Sciences</i> , 2022, 23, 4618.	4.1	6
7	Procyanidin C1 from <i>Viola odorata</i> L. inhibits Na ⁺ ,K ⁺ -ATPase. <i>Scientific Reports</i> , 2022, 12, 7011.	3.3	1
8	iP & OEIP Cytokinin Micro Application Modulates Root Development with High Spatial Resolution. <i>Advanced Materials Technologies</i> , 2022, 7, .	5.8	3
9	Cytokinin oxidase/dehydrogenase inhibitors: outlook for selectivity and high efficiency. <i>Journal of Experimental Botany</i> , 2022, 73, 4806-4817.	4.8	4
10	3,5,7-Substituted Pyrazolo[4,3- <i>d</i>]Pyrimidine Inhibitors of Cyclin-Dependent Kinases and Cyclin K Degraders. <i>Journal of Medicinal Chemistry</i> , 2022, 65, 8881-8896.	6.4	14
11	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.	5.2	2
12	An evaluation of volatiles and phenolic compounds in conjunction with the antioxidant capacity of endemic endangered species of <i>Erodium hendrikii</i> Alpinar. <i>South African Journal of Botany</i> , 2022, 149, 458-467.	2.5	0
13	Cytokinins are involved in drought tolerance of <i>Pinus radiata</i> plants originating from embryonal masses induced at high temperatures. <i>Tree Physiology</i> , 2021, 41, 912-926.	3.1	18
14	Diphenylurea-derived cytokinin oxidase/dehydrogenase inhibitors for biotechnology and agriculture. <i>Journal of Experimental Botany</i> , 2021, 72, 355-370.	4.8	27
15	Antileishmanial Activity of Lignans, Neolignans, and Other Plant Phenols. <i>Progress in the Chemistry of Organic Natural Products</i> , 2021, 115, 115-176.	1.1	1
16	History of Meta-Topolin and the Aromatic Cytokinins. , 2021, , 1-10.		0
17	Cytokinin Plant Hormones Have Neuroprotective Activity in In Vitro Models of Parkinson's Disease. <i>Molecules</i> , 2021, 26, 361.	3.8	9
18	New Generation of <i>Arabidopsis thaliana</i> Cytokinin Oxidase/Dehydrogenase Inhibitors Affect Shoot/Root Growth and Seed Yield. , 2021, , 293-316.		0

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19	The Cytokinin Status of the Epidermis Regulates Aspects of Vegetative and Reproductive Development in <i>Arabidopsis thaliana</i> . <i>Frontiers in Plant Science</i> , 2021, 12, 613488.	3.6	22
20	New fluorescent auxin probes visualise tissue-specific and subcellular distributions of auxin in <i>Arabidopsis</i> . <i>New Phytologist</i> , 2021, 230, 535-549.	7.3	15
21	Novel pentacyclic triterpenes exhibiting strong neuroprotective activity in SH-SY5Y cells in salsolinol- and glutamate-induced neurodegeneration models. <i>European Journal of Medicinal Chemistry</i> , 2021, 213, 113168.	5.5	17
22	Cytoprotective activities of kinetin purine isosteres. <i>Bioorganic and Medicinal Chemistry</i> , 2021, 33, 115993.	3.0	6
23	Analytical Methods for the Determination of Neuroactive Steroids. <i>Biomolecules</i> , 2021, 11, 553.	4.0	13
24	Local brassinosteroid biosynthesis enables optimal root growth. <i>Nature Plants</i> , 2021, 7, 619-632.	9.3	58
25	Adenosine 5- ϵ phosphosulfate reductase and sulfite oxidase regulate sulfite-induced water loss in <i>Arabidopsis</i> . <i>Journal of Experimental Botany</i> , 2021, 72, 6447-6466.	4.8	13
26	<i>Arabidopsis</i> aldehyde oxidase 3, known to oxidize abscisic aldehyde to abscisic acid, protects leaves from aldehyde toxicity. <i>Plant Journal</i> , 2021, 108, 1439-1455.	5.7	16
27	Molecular mechanisms and hormonal regulation underpinning morphological dormancy: a case study using <i>Apium graveolens</i> (Apiaceae). <i>Plant Journal</i> , 2021, 108, 1020-1036.	5.7	15
28	Caged Phytohormones: From Chemical Inactivation to Controlled Physiological Response. <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 12111-12125.	5.2	7
29	Novel alkylaminoethyl derivatives of androstane 3-oximes as anticancer candidates: synthesis and evaluation of cytotoxic effects. <i>RSC Advances</i> , 2021, 11, 37449-37461.	3.6	7
30	Multifaceted regulatory function of tomato S1TAF1 in the response to salinity stress. <i>New Phytologist</i> , 2020, 225, 1681-1698.	7.3	42
31	Synthesis and anthelmintic activity of benzopyrano[2,3-c]pyrazol-4(2H)-one derivatives. <i>Molecular Diversity</i> , 2020, 24, 1025-1042.	3.9	13
32	Sesquiterpene lactones from <i>Sonchus palustris</i> L. (Asteraceae, Cichorieae). <i>Phytochemistry</i> , 2020, 170, 112196.	2.9	4
33	Structure and Conformation of Zosteraphenols, Tetracyclic Diarylheptanoids from the Seagrass <i>Zostera marina</i> : An NMR and DFT Study. <i>Organic Letters</i> , 2020, 22, 78-82.	4.6	12
34	New aromatic 6-substituted 2-deoxy-9-(β)-d-ribofuranosylpurine derivatives as potential plant growth regulators. <i>Bioorganic and Medicinal Chemistry</i> , 2020, 28, 115230.	3.0	8
35	Embryonal Masses Induced at High Temperatures in Aleppo Pine: Cytokinin Profile and Cytological Characterization. <i>Forests</i> , 2020, 11, 807.	2.1	16
36	Synthetic strigolactone (rac-GR24) alleviates the adverse effects of heat stress on seed germination and photosystem II function in lupine seedlings. <i>Plant Physiology and Biochemistry</i> , 2020, 155, 965-979.	5.8	43

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37	The Arabidopsis RLCK VI_A2 Kinase Controls Seedling and Plant Growth in Parallel with Gibberellin. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7266.	4.1	1
38	Plant Triterpenoid Crosstalk: The Interaction of Brassinosteroids and Phytoecdysteroids in <i>Lepidium sativum</i> . <i>Plants</i> , 2020, 9, 1325.	3.5	5
39	An improved strategy to analyse strigolactones in complex sample matrices using UHPLC-MS/MS. <i>Plant Methods</i> , 2020, 16, 125.	4.3	31
40	Cytokinin fluoroprobe reveals multiple sites of cytokinin perception at plasma membrane and endoplasmic reticulum. <i>Nature Communications</i> , 2020, 11, 4285.	12.8	64
41	Effect of experimental DNA demethylation on phytohormones production and palatability of a clonal plant after induction via jasmonic acid. <i>Oikos</i> , 2020, 129, 1867-1876.	2.7	8
42	Timing-dependent effects of salicylic acid treatment on phytohormonal changes, ROS regulation, and antioxidant defense in salinized barley (<i>Hordeum vulgare</i> L.). <i>Scientific Reports</i> , 2020, 10, 13886.	3.3	37
43	Bioactive Steroids from the Red Sea Soft Coral <i>Sinularia polydactyla</i> . <i>Marine Drugs</i> , 2020, 18, 632.	4.6	21
44	Naturally Occurring and Artificial N9-Cytokinin Conjugates: From Synthesis to Biological Activity and Back. <i>Biomolecules</i> , 2020, 10, 832.	4.0	19
45	Aromatic Cytokinin Arabinosides Promote PAMP-like Responses and Positively Regulate Leaf Longevity. <i>ACS Chemical Biology</i> , 2020, 15, 1949-1963.	3.4	22
46	Synthesis and evaluation of Na ⁺ /K ⁺ -ATP-ase inhibiting and cytotoxic in vitro activities of oleandrigenin and its selected 17 β -(butenolidyl)- and 17 β -(3-furyl)- analogues. <i>European Journal of Medicinal Chemistry</i> , 2020, 202, 112520.	5.5	5
47	Dual Role of Gibberellin in Perennial Shoot Branching: Inhibition and Activation. <i>Frontiers in Plant Science</i> , 2020, 11, 736.	3.6	25
48	ETHYLENE RESPONSE FACTOR 115 integrates jasmonate and cytokinin signaling machineries to repress adventitious rooting in <i>Arabidopsis</i> . <i>New Phytologist</i> , 2020, 228, 1611-1626.	7.3	43
49	SEEDSTICK Controls Arabidopsis Fruit Size by Regulating Cytokinin Levels and FRUITFULL. <i>Cell Reports</i> , 2020, 30, 2846-2857.e3.	6.4	42
50	New A-homo lactam D-homo lactone androstane derivative: Synthesis and evaluation of cytotoxic and anti-inflammatory activities in vitro. <i>Steroids</i> , 2020, 157, 108596.	1.8	12
51	Molecular mechanisms of plant steroids and study of their interaction with nuclear receptors in prostate cancer cells. <i>Food and Chemical Toxicology</i> , 2020, 137, 111164.	3.6	4
52	New lupane bidesmosides exhibiting strong cytotoxic activities in vitro. <i>Bioorganic Chemistry</i> , 2020, 100, 103868.	4.1	9
53	New fluorescently labeled auxins exhibit promising anti-auxin activity. <i>New Biotechnology</i> , 2019, 48, 44-52.	4.4	16
54	The biochemistry underpinning industrial seed technology and mechanical processing of sugar beet. <i>Planta</i> , 2019, 250, 1717-1729.	3.2	16

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55	Pericarp-mediated chemical dormancy controls the fruit germination of the invasive hoary cress (<i>Lepidium draba</i>), but not of hairy whitetop (<i>Lepidium appelianum</i>). <i>Weed Science</i> , 2019, 67, 560-571.	1.5	7
56	Synthesis and evaluation of cytotoxic and Na ⁺ /K ⁺ -ATP-ase inhibitory activity of selected 5 β -oleandrigenin derivatives. <i>European Journal of Medicinal Chemistry</i> , 2019, 180, 417-429.	5.5	3
57	The plant hormone kinetin in disease therapy and healthy aging. <i>Ageing Research Reviews</i> , 2019, 55, 100958.	10.9	24
58	Exogenous N-Acetylcysteine alleviates heavy metal stress by promoting phenolic acids to support antioxidant defence systems in wheat roots. <i>Ecotoxicology and Environmental Safety</i> , 2019, 181, 49-59.	6.0	35
59	6-Substituted purines as ROCK inhibitors with anti-metastatic activity. <i>Bioorganic Chemistry</i> , 2019, 90, 103005.	4.1	7
60	The Cytokinin Complex Associated With <i>Rhodococcus fascians</i> : Which Compounds Are Critical for Virulence?. <i>Frontiers in Plant Science</i> , 2019, 10, 674.	3.6	19
61	Involvement of Phenolic Acids in Short-Term Adaptation to Salinity Stress is Species-Specific among Brassicaceae. <i>Plants</i> , 2019, 8, 155.	3.5	65
62	OX11 and DAD Regulate Light-Induced Cell Death Antagonistically through Jasmonate and Salicylate Levels. <i>Plant Physiology</i> , 2019, 180, 1691-1708.	4.8	30
63	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
64	Synthesis, characterization and antiproliferative activity of seco analogues of brassinosteroids. <i>Steroids</i> , 2019, 146, 1-13.	1.8	11
65	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.	2.8	3
66	Mal de R ^o Cuarto virus infection causes hormone imbalance and sugar accumulation in wheat leaves. <i>BMC Plant Biology</i> , 2019, 19, 112.	3.6	18
67	Early Brassica Crops Responses to Salinity Stress: A Comparative Analysis Between Chinese Cabbage, White Cabbage, and Kale. <i>Frontiers in Plant Science</i> , 2019, 10, 450.	3.6	54
68	Root enhancement in cytokinin-deficient oilseed rape causes leaf mineral enrichment, increases the chlorophyll concentration under nutrient limitation and enhances the phytoremediation capacity. <i>BMC Plant Biology</i> , 2019, 19, 83.	3.6	30
69	<i>Aethionema arabicum</i> : a novel model plant to study the light control of seed germination. <i>Journal of Experimental Botany</i> , 2019, 70, 3313-3328.	4.8	31
70	The Dynamics of Cytokinin Changes after Grafting of Vegetative Apices on Flowering Rapeseed Plants. <i>Plants</i> , 2019, 8, 78.	3.5	4
71	3,5,7-Substituted Pyrazolo[4,3- <i>d</i>]pyrimidine Inhibitors of Cyclin-Dependent Kinases and Their Evaluation in Lymphoma Models. <i>Journal of Medicinal Chemistry</i> , 2019, 62, 4606-4623.	6.4	16
72	High ϵ -proline proteins in experimental hazy white wine produced from partially botrytized grapes. <i>Biotechnology and Applied Biochemistry</i> , 2019, 66, 398-411.	3.1	7

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73	Brassinosteroids Induce Strong, Dose-Dependent Inhibition of Etiolated Pea Seedling Growth Correlated with Ethylene Production. <i>Biomolecules</i> , 2019, 9, 849.	4.0	7
74	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.	5.1	9
75	Jasmonates are signals in the biosynthesis of secondary metabolites – Pathways, transcription factors and applied aspects – A brief review. <i>New Biotechnology</i> , 2019, 48, 1-11.	4.4	178
76	Design, synthesis and perception of fluorescently labeled isoprenoid cytokinins. <i>Phytochemistry</i> , 2018, 150, 1-11.	2.9	7
77	Circadian clock components control daily growth activities by modulating cytokinin levels and cell division-associated gene expression in <i>Populus</i> trees. <i>Plant, Cell and Environment</i> , 2018, 41, 1468-1482.	5.7	22
78	Endogenous brassinosteroids in microalgae exposed to salt and low temperature stress. <i>European Journal of Phycology</i> , 2018, 53, 273-279.	2.0	23
79	Substantial Evidence for Auxin Secretory Vesicles. <i>Plant Physiology</i> , 2018, 176, 2586-2587.	4.8	7
80	Short-term salt stress in <i>Brassica rapa</i> seedlings causes alterations in auxin metabolism. <i>Plant Physiology and Biochemistry</i> , 2018, 125, 74-84.	5.8	42
81	When the BRANCHED network bears fruit: how carpic dominance causes fruit dimorphism in <i>Aethionema</i> . <i>Plant Journal</i> , 2018, 94, 352-371.	5.7	20
82	Na ⁺ ,K ⁺ /H ⁺ antiporters regulate the pH of endoplasmic reticulum and auxin-mediated development. <i>Plant, Cell and Environment</i> , 2018, 41, 850-864.	5.7	19
83	Natural plant hormones cytokinins increase stress resistance and longevity of <i>Caenorhabditis elegans</i> . <i>Biogerontology</i> , 2018, 19, 109-120.	3.9	12
84	The novel brassinosteroid analog BR4848 inhibits angiogenesis in human endothelial cells and induces apoptosis in human cancer cells in vitro. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2018, 178, 263-271.	2.5	8
85	Antibody-mediated modulation of cytokinins in tobacco: organ-specific changes in cytokinin homeostasis. <i>Journal of Experimental Botany</i> , 2018, 69, 441-454.	4.8	8
86	Specialized Plant Metabolism Characteristics and Impact on Target Molecule Biotechnological Production. <i>Molecular Biotechnology</i> , 2018, 60, 169-183.	2.4	59
87	Plant Hormonomics: Multiple Phytohormone Profiling by Targeted Metabolomics. <i>Plant Physiology</i> , 2018, 177, 476-489.	4.8	293
88	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.	5.5	21
89	Isoprenoid-derived plant signaling molecules: biosynthesis and biological importance. <i>Planta</i> , 2018, 247, 1051-1066.	3.2	56
90	Quantitative Analysis of Ingenol in <i>Euphorbia</i> species via Validated Isotope Dilution Ultra-high Performance Liquid Chromatography Tandem Mass Spectrometry. <i>Phytochemical Analysis</i> , 2018, 29, 23-29.	2.4	8

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91	Total synthesis of [¹⁵ N]-labelled C6-substituted purines from [¹⁵ N]-formamide – easy preparation of isotopically labelled cytokinins and derivatives. Royal Society Open Science, 2018, 5, 181322.	2.4	6
92	Temperature and Water Availability During Maturation Affect the Cytokinins and Auxins Profile of Radiata Pine Somatic Embryos. Frontiers in Plant Science, 2018, 9, 1898.	3.6	22
93	Crosstalk between Brassinosteroids and Ethylene during Plant Growth and under Abiotic Stress Conditions. International Journal of Molecular Sciences, 2018, 19, 3283.	4.1	58
94	Jasmonates: News on Occurrence, Biosynthesis, Metabolism and Action of an Ancient Group of Signaling Compounds. International Journal of Molecular Sciences, 2018, 19, 2539.	4.1	161
95	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
96	New insights into auxin metabolism in Bradyrhizobium japonicum. Research in Microbiology, 2018, 169, 313-323.	2.1	31
97	LC-MS/MS method for determination of cyclin-dependent kinase inhibitors, BP-14 and BP-20, and its application in pharmacokinetic study in rat. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2018, 1089, 24-32.	2.3	0
98	Cytokinin Signaling in Mycobacterium tuberculosis. MBio, 2018, 9, .	4.1	28
99	Gain-of-Function Mutants of the Cytokinin Receptors AHK2 and AHK3 Regulate Plant Organ Size, Flowering Time and Plant Longevity. Plant Physiology, 2017, 173, 1783-1797.	4.8	94
100	Preparation, characterization and biological activity of C8-substituted cytokinins. Phytochemistry, 2017, 135, 115-127.	2.9	7
101	The natural cytokinin 2OH3MeOBAR induces cell death by a mechanism that is different from that of the “classical” cytokinin ribosides. Phytochemistry, 2017, 136, 156-164.	2.9	14
102	Protocol for Extraction and Isolation of Brassinosteroids from Plant Tissues. Methods in Molecular Biology, 2017, 1564, 1-7.	0.9	2
103	A convenient method for the preparation of 20-[¹⁸ O]-labeled ingenol. Tetrahedron Letters, 2017, 58, 1421-1424.	1.4	5
104	Immunoaffinity chromatography combined with tandem mass spectrometry: A new tool for the selective capture and analysis of brassinosteroid plant hormones. Talanta, 2017, 170, 432-440.	5.5	37
105	Phenolic compounds and antioxidant capacity in different-colored and non-pigmented berries of bilberry (Vaccinium myrtillus L.). Food Bioscience, 2017, 20, 67-78.	4.4	30
106	Cytokinin response in pepper plants (Capsicum annuum L.) exposed to silver nanoparticles. Environmental Research, 2017, 156, 10-18.	7.5	109
107	Microscale magnetic microparticle-based immunopurification of cytokinins from Arabidopsis root apex. Plant Journal, 2017, 89, 1065-1075.	5.7	12
108	Plant Hormone Cytokinins for Modulating Human Aging and Age-Related Diseases. Healthy Ageing and Longevity, 2017, , 311-335.	0.2	13

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109	Synthesis of novel aryl brassinosteroids through alkene cross-metathesis and preliminary biological study. <i>Steroids</i> , 2017, 127, 46-55.	1.8	14
110	Chemical proteomic analysis of 6-benzylaminopurine molecular partners in wheat grains. <i>Plant Cell Reports</i> , 2017, 36, 1561-1570.	5.6	5
111	Synthesis of ergostane-type brassinosteroids with modifications in ring A. <i>Beilstein Journal of Organic Chemistry</i> , 2017, 13, 2326-2331.	2.2	5
112	Arabidopsis histidine kinase 4 cytokinin receptor – The object of interest in ligand-receptor study. <i>New Biotechnology</i> , 2016, 33, S165.	4.4	2
113	Synthesis and Cytotoxicity of 28a-homothiolupanes and 28a-homothiolupane Saponins. <i>European Journal of Organic Chemistry</i> , 2016, 2016, 373-383.	2.4	7
114	The DAG1 transcription factor negatively regulates the seed-to-seedling transition in Arabidopsis acting on ABA and GA levels. <i>BMC Plant Biology</i> , 2016, 16, 198.	3.6	28
115	Cytokinin, auxin and physiological polarity in the aquatic carnivorous plants <i>Aldrovanda vesiculosa</i> and <i>Utricularia australis</i> . <i>Annals of Botany</i> , 2016, 117, 1037-1044.	2.9	10
116	Low levels of strigolactones in roots as a component of the systemic signal of drought stress in tomato. <i>New Phytologist</i> , 2016, 212, 954-963.	7.3	152
117	Developmental Control and Plasticity of Fruit and Seed Dimorphism in <i>Aethionema arabicum</i> . <i>Plant Physiology</i> , 2016, 172, 1691-1707.	4.8	59
118	The determination of 22 natural brassinosteroids in a minute sample of plant tissue by UHPLC-ESI-MS/MS. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 6799-6812.	3.7	55
119	Design, synthesis and biological activities of new brassinosteroid analogues with a phenyl group in the side chain. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 8691-8701.	2.8	21
120	Anti-angiogenic effects of novel cyclin-dependent kinase inhibitors with a pyrazolo[4,3-d]pyrimidine scaffold. <i>British Journal of Pharmacology</i> , 2016, 173, 2645-2656.	5.4	8
121	Novel thidiazuron-derived inhibitors of cytokinin oxidase/dehydrogenase. <i>Plant Molecular Biology</i> , 2016, 92, 235-248.	3.9	43
122	Protein profiling of a white wine produced from grapes damaged by <i>Botrytis cinerea</i> . <i>New Biotechnology</i> , 2016, 33, S180.	4.4	1
123	Synthesis of 28a-homoselenolupanes and 28a-homoselenolupane saponins. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 10238-10248.	2.8	25
124	Cytokinin production by <i>Pseudomonas fluorescens</i> G20-18 determines biocontrol activity against <i>Pseudomonas syringae</i> in Arabidopsis. <i>Scientific Reports</i> , 2016, 6, 23310.	3.3	148
125	Comparison of Phenolics and Phenolic Acid Profiles in Conjunction with Oxygen Radical Absorbing Capacity (ORAC) in Berries of <i>Vaccinium arctostaphylos</i> L. and <i>V. myrtillus</i> L.. <i>Polish Journal of Food and Nutrition Sciences</i> , 2016, 66, 85-91.	1.7	25
126	CHASE domain-containing receptors play an essential role in the cytokinin response of the moss <i>Physcomitrella patens</i> . <i>Journal of Experimental Botany</i> , 2016, 67, 667-679.	4.8	33

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127	Plant ecdysteroids: plant sterols with intriguing distributions, biological effects and relations to plant hormones. <i>Planta</i> , 2016, 244, 545-555.	3.2	42
128	Synthesis of S-(28a-homobetulin-28a-yl) thiophosphate, thiophosphonate, and thiophosphinate. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2016, 191, 1240-1244.	1.6	3
129	Function of the Golgi-located phosphate transporter PHT4;6 is critical for senescence-associated processes in <i>Arabidopsis</i> . <i>Journal of Experimental Botany</i> , 2016, 67, 4671-4684.	4.8	19
130	A previously undescribed jasmonate compound in flowering <i>Arabidopsis thaliana</i> – The identification of cis-(+)-OPDA-Ile. <i>Phytochemistry</i> , 2016, 122, 230-237.	2.9	38
131	Bog bilberry phenolics, antioxidant capacity and nutrient profile. <i>Food Chemistry</i> , 2016, 201, 339-349.	8.2	40
132	Clusterin CSF levels in differential diagnosis of neurodegenerative disorders. <i>Journal of the Neurological Sciences</i> , 2016, 361, 117-121.	0.6	26
133	Influence of intramolecular hydrogen bonds on regioselectivity of glycosylation. Synthesis of lupane-type saponins bearing the OSW-1 saponin disaccharide unit and its isomers. <i>Carbohydrate Research</i> , 2016, 423, 49-69.	2.3	15
134	Stable isotope dilution ultra-high performance liquid chromatography–tandem mass spectrometry quantitative profiling of tryptophan-related neuroactive substances in human serum and cerebrospinal fluid. <i>Journal of Chromatography A</i> , 2016, 1437, 145-157.	3.7	43
135	The role of cytokinins in clubroot disease. <i>European Journal of Plant Pathology</i> , 2016, 145, 543-557.	1.7	49
136	5-Substituted 3-isopropyl-7-[4-(2-pyridyl)benzyl]amino-1(2H)-pyrazolo[4,3-d]pyrimidines with anti-proliferative activity as potent and selective inhibitors of cyclin-dependent kinases. <i>European Journal of Medicinal Chemistry</i> , 2016, 110, 291-301.	5.5	29
137	Structure activity relationship studies on cytotoxicity and the effects on steroid receptors of AB-functionalized cholestanes. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2016, 159, 154-169.	2.5	28
138	Synthesis of aromatic cytokinins for plant biotechnology. <i>New Biotechnology</i> , 2016, 33, 614-624.	4.4	28
139	Jasmonate signaling in plant stress responses and development – active and inactive compounds. <i>New Biotechnology</i> , 2016, 33, 604-613.	4.4	177
140	Hormonal and epigenetic regulation during embryogenic tissue habituation in <i>Cucurbita pepo</i> L.. <i>Plant Cell Reports</i> , 2016, 35, 77-89.	5.6	11
141	2,4-D and IAA Amino Acid Conjugates Show Distinct Metabolism in <i>Arabidopsis</i> . <i>PLoS ONE</i> , 2016, 11, e0159269.	2.5	31
142	The Recently Identified Isoleucine Conjugate of cis-12-Oxo-Phytodienoic Acid Is Partially Active in cis-12-Oxo-Phytodienoic Acid-Specific Gene Expression of <i>Arabidopsis thaliana</i> . <i>PLoS ONE</i> , 2016, 11, e0162829.	2.5	23
143	Plant hormone metabolite profiling on the tissue and cell level. <i>Planta Medica</i> , 2016, 81, S1-S381.	1.3	0
144	A Novel Dual Class III/Src Family Tyrosine Kinase Inhibitor Is Highly Active Against FLT3-ITD Leukemia Cells In Vivo. <i>Blood</i> , 2016, 128, 1569-1569.	1.4	0

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145	UHPLC-MS/MS quantitative profiling of tryptophane-related neuroactive substances in cerebrospinal fluid in Parkinson's disease patients. <i>Journal of the Neurological Sciences</i> , 2015, 357, e272.	0.6	0
146	Forward genetic screen for auxin-deficient mutants by cytokinin. <i>Scientific Reports</i> , 2015, 5, 11923.	3.3	13
147	High Performance Liquid Chromatography/Electrochemistry/High Resolution Electrospray Ionization-Mass Spectrometry (HPLC/EC/HR ESI-MS) Characterization of Selected Cytokinins Oxidation Products. <i>Electroanalysis</i> , 2015, 27, 406-414.	2.9	3
148	Characterization of a Pyrazolo[4,3-d]pyrimidine Inhibitor of Cyclin-Dependent Kinases 2 and 5 and Aurora A With Pro-Apoptotic and Anti-Angiogenic Activity <i>In Vitro</i> . <i>Chemical Biology and Drug Design</i> , 2015, 86, 1528-1540.	3.2	16
149	Mechanistic Insights to the Cytotoxicity of Amaryllidaceae Alkaloids. <i>Natural Product Communications</i> , 2015, 10, 1934578X1501000.	0.5	8
150	Synthesis and biological activity of new homolupanes and homolupane saponins. <i>Tetrahedron</i> , 2015, 71, 2004-2012.	1.9	21
151	Silicon induces resistance to the brown spot fungus <i>Cochliobolus miyabeanus</i> by preventing the pathogen from hijacking the rice ethylene pathway. <i>New Phytologist</i> , 2015, 206, 761-773.	7.3	132
152	Seasonal pharmacological properties and alkaloid content in <i>Cyrtanthus contractus</i> N.E. Br.. <i>South African Journal of Botany</i> , 2015, 97, 69-76.	2.5	18
153	Proteasomal Control of Cytokinin Synthesis Protects <i>Mycobacterium tuberculosis</i> against Nitric Oxide. <i>Molecular Cell</i> , 2015, 57, 984-994.	9.7	101
154	2,6,9-Trisubstituted purines as CRK3 kinase inhibitors with antileishmanial activity in vitro. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2015, 25, 2298-2301.	2.2	11
155	Ammonium regulates embryogenic potential in <i>Cucurbita pepo</i> through pH-mediated changes in endogenous auxin and abscisic acid. <i>Plant Cell, Tissue and Organ Culture</i> , 2015, 122, 89-100.	2.3	28
156	A parasitic nematode releases cytokinin that controls cell division and orchestrates feeding site formation in host plants. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 12669-12674.	7.1	113
157	Hormone-mediated growth dynamics of the barley pericarp as revealed by magnetic resonance imaging and transcript profiling. <i>Journal of Experimental Botany</i> , 2015, 66, 6927-6943.	4.8	24
158	Brassinosteroids: synthesis and biological activities. <i>Phytochemistry Reviews</i> , 2015, 14, 1053-1072.	6.5	66
159	<i>Arabidopsis</i> ROCK1 transports UDP-GlcNAc/UDP-GalNAc and regulates ER protein quality control and cytokinin activity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 291-296.	7.1	45
160	Evidence of phytohormones and phenolic acids variability in garden-waste-derived vermicompost leachate, a well-known plant growth stimulant. <i>Plant Growth Regulation</i> , 2015, 75, 483-492.	3.4	58
161	The Identification of a Novel Highly Condensed Pentacyclic Heteroaromatic Ring System 1,3,5,5b,6,8,10,10b-Octaazacyclopenta[h,i]Aceanthrylene and its Application in the Synthesis of 5,7-Substituted Pyrazolo[4,3-d]Pyrimidines. <i>Journal of Heterocyclic Chemistry</i> , 2015, 52, 669-673.	2.6	2
162	Determination of free diferulic, disinapic and dicoumaric acids in plants and foods. <i>Food Chemistry</i> , 2015, 171, 280-286.	8.2	16

#	ARTICLE	IF	CITATIONS
163	Crinane Alkaloids of the Amaryllidaceae with Cytotoxic Effects in Human Cervical Adenocarcinoma (HeLa) Cells. <i>Natural Product Communications</i> , 2014, 9, 1934578X1400900.	0.5	6
164	Endogenous cytokinin dynamics in micropropagated tulips during bulb formation process influenced by TDZ and iP pretreatment. <i>Plant Cell, Tissue and Organ Culture</i> , 2014, 119, 331-346.	2.3	23
165	Reticulate leaves and stunted roots are independent phenotypes pointing at opposite roles of the phosphoenolpyruvate/phosphate translocator defective in <i>cue1</i> in the plastids of both organs. <i>Frontiers in Plant Science</i> , 2014, 5, 126.	3.6	27
166	Activity of the Brassinosteroid Transcription Factors BRASSINAZOLE RESISTANT1 and BRASSINOSTEROID INSENSITIVE1-ETHYL METHANESULFONATE-SUPPRESSOR1/BRASSINAZOLE RESISTANT2 Blocks Developmental Reprogramming in Response to Low Phosphate Availability. <i>Plant Physiology</i> , 2014, 166, 678-688.	4.8	77
167	Gibberellin-to-abscisic acid balances govern development and differentiation of the nucellar projection of barley grains. <i>Journal of Experimental Botany</i> , 2014, 65, 5291-5304.	4.8	22
168	Abscisic acid, gibberellins and brassinosteroids in Kelpak [®] , a commercial seaweed extract made from <i>Ecklonia maxima</i> . <i>Journal of Applied Phycology</i> , 2014, 26, 561-567.	2.8	155
169	Effect of light on growth and endogenous hormones in <i>Chlorella minutissima</i> (Trebouxiophyceae). <i>Plant Physiology and Biochemistry</i> , 2014, 79, 66-76.	5.8	77
170	Arylazopyrazole <sc>AAP</sc>1742 Inhibits <sc>CDK</sc>s and Induces Apoptosis in Multiple Myeloma Cells via Mcl-1 Downregulation. <i>Chemical Biology and Drug Design</i> , 2014, 84, 402-408.	3.2	11
171	Synthesis of Lupane-Type Saponins Containing an Unusual Dopyranoside Fragment as Potent Cytotoxic Agents. <i>European Journal of Organic Chemistry</i> , 2014, 2014, 4089-4098.	2.4	12
172	<i>DELAY OF GERMINATION 1</i> mediates a conserved coat-dormancy mechanism for the temperature- and gibberellin-dependent control of seed germination. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E3571-80.	7.1	175
173	Overexpression of the cytosolic cytokinin oxidase/dehydrogenase (<sc>CKX</sc>7) from <sc>Arabidopsis</sc> causes specific changes in root growth and xylem differentiation. <i>Plant Journal</i> , 2014, 78, 359-371.	5.7	141
174	Isopentenyltransferase-1 (IPT1) knockout in <i>Physcomitrella</i> together with phylogenetic analyses of IPTs provide insights into evolution of plant cytokinin biosynthesis. <i>Journal of Experimental Botany</i> , 2014, 65, 2533-2543.	4.8	57
175	<i>Arabidopsis</i> ABCG14 protein controls the acropetal translocation of root-synthesized cytokinins. <i>Nature Communications</i> , 2014, 5, 3274.	12.8	214
176	Antagonistic roles of abscisic acid and cytokinin during response to nitrogen depletion in oleaginous microalga <sc>Nannochloropsis oceanica</sc> expand the evolutionary breadth of phytohormone function. <i>Plant Journal</i> , 2014, 80, 52-68.	5.7	101
177	UHPLC-MS/MS based target profiling of stress-induced phytohormones. <i>Phytochemistry</i> , 2014, 105, 147-157.	2.9	184
178	Proteomic Identification of a Candidate Sequence of Wheat Cytokinin-Binding Protein 1. <i>Journal of Plant Growth Regulation</i> , 2014, 33, 896-902.	5.1	8
179	Quo vadis plant hormone analysis?. <i>Planta</i> , 2014, 240, 55-76.	3.2	72
180	Synthesis and structure-activity relationship study of cytotoxic lupane-type 3-O-monodesmosidic saponins with an extended C-28 side chain. <i>Tetrahedron</i> , 2014, 70, 2717-2730.	1.9	28

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181	Biotechnological approaches for producing aryltetralin lignans from <i>Linum</i> species. <i>Phytochemistry Reviews</i> , 2014, 13, 893-913.	6.5	57
182	Biological activities of new monohydroxylated brassinosteroid analogues with a carboxylic group in the side chain. <i>Steroids</i> , 2014, 85, 58-64.	1.8	20
183	Tau protein, beta-amyloid β 42 and clusterin CSF levels in the differential diagnosis of Parkinsonian syndrome with dementia. <i>Journal of the Neurological Sciences</i> , 2014, 343, 120-124.	0.6	58
184	Inhibition of Post-Transcriptional RNA Processing by CDK Inhibitors and Its Implication in Anti-Viral Therapy. <i>PLoS ONE</i> , 2014, 9, e89228.	2.5	11
185	In vitro characterisation of the anti-intravasative properties of the marine product heteronemin. <i>Archives of Toxicology</i> , 2013, 87, 1851-1861.	4.2	26
186	Xanthohumol attenuates tumour cell-mediated breaching of the lymphendothelial barrier and prevents intravasation and metastasis. <i>Archives of Toxicology</i> , 2013, 87, 1301-1312.	4.2	41
187	Rhizobial Synthesized Cytokinins Contribute to But Are Not Essential for the Symbiotic Interaction Between Photosynthetic Bradyrhizobia and <i>Aeschynomene</i> Legumes. <i>Molecular Plant-Microbe Interactions</i> , 2013, 26, 1232-1238.	2.6	47
188	Roscovitine sensitizes leukemia and lymphoma cells to tumor necrosis factor-related apoptosis-inducing ligand-induced apoptosis. <i>Leukemia and Lymphoma</i> , 2013, 54, 372-380.	1.3	11
189	A Novel Series of Highly Potent 2,6,9-Trisubstituted Purine Cyclin-Dependent Kinase Inhibitors. <i>Journal of Medicinal Chemistry</i> , 2013, 56, 6234-6247.	6.4	45
190	Analysis of gibberellins as free acids by ultra performance liquid chromatography-tandem mass spectrometry. <i>Talanta</i> , 2013, 112, 85-94.	5.5	138
191	Novel Inhibitors of Cyclin-Dependent Kinases Combat Hepatocellular Carcinoma without Inducing Chemoresistance. <i>Molecular Cancer Therapeutics</i> , 2013, 12, 1947-1957.	4.1	28
192	Seedlings of medicinal plants treated with either a cytokinin antagonist (PI-55) or an inhibitor of cytokinin degradation (INCYDE) are protected against the negative effects of cadmium. <i>Plant Growth Regulation</i> , 2013, 71, 137-145.	3.4	44
193	Jasmonates in flower and seed development. <i>Biochimie</i> , 2013, 95, 79-85.	2.6	98
194	Synthesis and in vitro biological evaluation of 2,6,9-trisubstituted purines targeting multiple cyclin-dependent kinases. <i>European Journal of Medicinal Chemistry</i> , 2013, 61, 61-72.	5.5	36
195	Synthesis and antiproliferative activity of novel steroidal dendrimer conjugates. <i>Steroids</i> , 2013, 78, 1254-1262.	1.8	4
196	Auxin and cytokinin relationships in 24 microalgal strains. <i>Journal of Phycology</i> , 2013, 49, 459-467.	2.3	150
197	Phenolic Acid Content and Free Radical-Scavenging Activity of Two Differently Processed Carob Tree (<i>Ceratonia siliqua</i> L.) Pod. <i>Food and Nutrition Sciences (Print)</i> , 2013, 04, 547-553.	0.4	11
198	Stabilization of Cytokinin Levels Enhances <i>Arabidopsis</i> Resistance Against <i>Verticillium longisporum</i> . <i>Molecular Plant-Microbe Interactions</i> , 2013, 26, 850-860.	2.6	66

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199	Hormone profiles in microalgae: Gibberellins and brassinosteroids. <i>Plant Physiology and Biochemistry</i> , 2013, 70, 348-353.	5.8	108
200	Brassinosteroids and their Biological Activities. , 2013, , 3851-3871.		0
201	The role of cytokinins during micropropagation of wych elm. <i>Biologia Plantarum</i> , 2013, 57, 174-178.	1.9	27
202	Ethylene promotes hyponastic growth through interaction with ROTUNDIFOLIA3/CYP90C1 in <i>Arabidopsis</i> . <i>Journal of Experimental Botany</i> , 2013, 64, 613-624.	4.8	40
203	Proteome and metabolome profiling of cytokinin action in <i>Arabidopsis</i> identifying both distinct and similar responses to cytokinin down- and up-regulation. <i>Journal of Experimental Botany</i> , 2013, 64, 4193-4206.	4.8	58
204	Endogenous cytokinin and auxin profiles during in vitro organogenesis from vegetative buds of <i>Pinus radiata</i> adult trees. <i>Physiologia Plantarum</i> , 2013, 148, 214-231.	5.2	42
205	Structure and Function of Nucleoside Hydrolases from <i>Physcomitrella patens</i> and Maize Catalyzing the Hydrolysis of Purine, Pyrimidine, and Cytokinin Ribosides. <i>Plant Physiology</i> , 2013, 163, 1568-1583.	4.8	29
206	Alkaloids from <i>Boophone haemanthoides</i> (Amaryllidaceae). <i>Natural Product Communications</i> , 2013, 8, 1934578X1300801.	0.5	5
207	Trisubstituted Pyrazolopyrimidines as Novel Angiogenesis Inhibitors. <i>PLoS ONE</i> , 2013, 8, e54607.	2.5	23
208	The Leaf Reticulate Mutant <i>dov1</i> Is Impaired in the First Step of Purine Metabolism. <i>Molecular Plant</i> , 2012, 5, 1227-1241.	8.3	22
209	Another JA/COI1-independent role of OPDA detected in tomato embryo development. <i>Plant Signaling and Behavior</i> , 2012, 7, 1349-1353.	2.4	20
210	Embryo growth, testa permeability, and endosperm weakening are major targets for the environmentally regulated inhibition of <i>Lepidium sativum</i> seed germination by myriganone A. <i>Journal of Experimental Botany</i> , 2012, 63, 5337-5350.	4.8	38
211	Myriganone A Inhibits <i>Lepidium sativum</i> Seed Germination by Interference with Gibberellin Metabolism and Apoplastic Superoxide Production Required for Embryo Extension Growth and Endosperm Rupture. <i>Plant and Cell Physiology</i> , 2012, 53, 81-95.	3.1	64
212	Polyphenol oxidases in <i>Physcomitrella</i> : functional PPO1 knockout modulates cytokinin-dependent development in the moss <i>Physcomitrella patens</i> . <i>Journal of Experimental Botany</i> , 2012, 63, 5121-5135.	4.8	29
213	An apolar extract of <i>Critonia morifolia</i> inhibits c-Myc, cyclin D1, Cdc25A, Cdc25B, Cdc25C and Akt and induces apoptosis. <i>International Journal of Oncology</i> , 2012, 40, 2131-9.	3.3	3
214	Spatially and genetically distinct control of seed germination by phytochromes A and B. <i>Genes and Development</i> , 2012, 26, 1984-1996.	5.9	110
215	Involvement of cis-Zeatin, Dihydrozeatin, and Aromatic Cytokinins in Germination and Seedling Establishment of Maize, Oats, and Lucerne. <i>Journal of Plant Growth Regulation</i> , 2012, 31, 392-405.	5.1	26
216	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.	3.2	19

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217	Mechanisms of natural brassinosteroid-induced apoptosis of prostate cancer cells. <i>Food and Chemical Toxicology</i> , 2012, 50, 4068-4076.	3.6	45
218	Endogenous cytokinin profiles and their relationships to between-family differences during adventitious caulogenesis in <i>Pinus pinea</i> cotyledons. <i>Journal of Plant Physiology</i> , 2012, 169, 1830-1837.	3.5	10
219	Apoptosis-inducing effects of distichamine and narciprimine, rare alkaloids of the plant family Amaryllidaceae. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2012, 22, 6195-6199.	2.2	56
220	Cytokinins in shoot apices of <i>Brassica napus</i> plants during vernalization. <i>Plant Science</i> , 2012, 187, 105-112.	3.6	41
221	Comparison of endogenous cytokinins and cytokinin oxidase/dehydrogenase activity in germinating and thermoinhibited <i>Tagetes minuta</i> achenes. <i>Journal of Plant Physiology</i> , 2012, 169, 696-703.	3.5	21
222	Antiproliferative and antiangiogenic effects of flavone eupatorin, an active constituent of chloroform extract of <i>Orthosiphon stamineus</i> leaves. <i>FĀ-toterapĀ-Āč</i> , 2012, 83, 1000-1007.	2.2	60
223	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.	4.3	174
224	Brassinosteroids inhibit in vitro angiogenesis in human endothelial cells. <i>Steroids</i> , 2012, 77, 1502-1509.	1.8	26
225	Analysis of cytokinin nucleotides by capillary zone electrophoresis with diode array and mass spectrometric detection in a recombinant enzyme in vitro reaction. <i>Analytica Chimica Acta</i> , 2012, 751, 176-181.	5.4	7
226	Cyclin-Dependent Kinase 9 Activity Regulates Neutrophil Spontaneous Apoptosis. <i>PLoS ONE</i> , 2012, 7, e30128.	2.5	34
227	Fluorescent castasterone reveals BRI1 signaling from the plasma membrane. <i>Nature Chemical Biology</i> , 2012, 8, 583-589.	8.0	203
228	Synthesis and biological activity of 23-ethylidene-26-hydroxy-22-oxocholestane derivatives from spirostane sapogenins. <i>European Journal of Medicinal Chemistry</i> , 2012, 51, 67-78.	5.5	6
229	Endogenous Auxin Profile in the Christmas Rose (<i>Helleborus niger</i> L.) Flower and Fruit: Free and Amide Conjugated IAA. <i>Journal of Plant Growth Regulation</i> , 2012, 31, 63-78.	5.1	11
230	Novel Cytokinin Derivatives Do Not Show Negative Effects on Root Growth and Proliferation in Submicromolar Range. <i>PLoS ONE</i> , 2012, 7, e39293.	2.5	60
231	Distribution, biological activities, metabolism, and the conceivable function of cis-zeatin-type cytokinins in plants. <i>Journal of Experimental Botany</i> , 2011, 62, 2827-2840.	4.8	269
232	Pyrazolo[4,3- <i>d</i>]pyrimidine Bioisostere of Roscovitine: Evaluation of a Novel Selective Inhibitor of Cyclin-Dependent Kinases with Antiproliferative Activity. <i>Journal of Medicinal Chemistry</i> , 2011, 54, 2980-2993.	6.4	72
233	Stable transformation of <i>Mesembryanthemum crystallinum</i> (L.) with <i>Agrobacterium rhizogenes</i> harboring the green fluorescent protein targeted to the endoplasmic reticulum. <i>Journal of Plant Physiology</i> , 2011, 168, 722-729.	3.5	11
234	CHANGES IN ENDOGENOUS CYTOKININ CONCENTRATIONS IN <i>CHLORELLA</i> (CHLOROPHYCEAE) IN RELATION TO LIGHT AND THE CELL CYCLE1. <i>Journal of Phycology</i> , 2011, 47, 291-301.	2.3	45

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235	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
236	Synthesis and Biological Activity of 22-Deoxo-23-oxa Analogues of Saponin OSW-1. <i>Journal of Medicinal Chemistry</i> , 2011, 54, 3298-3305.	6.4	24
237	Gibberellins – terpenoid plant hormones: Biological importance and chemical analysis. <i>Collection of Czechoslovak Chemical Communications</i> , 2011, 76, 1669-1686.	1.0	17
238	Anti-angiogenic effects of purine inhibitors of cyclin dependent kinases. <i>Angiogenesis</i> , 2011, 14, 281-291.	7.2	29
239	N9-substituted derivatives of kinetin: Effective anti-senescence agents. <i>Phytochemistry</i> , 2011, 72, 821-831.	2.9	39
240	Novel BAP degradation pathway during adventitious caulogenesis in <i>Pinus pinea</i> L. cotyledons. <i>BMC Proceedings</i> , 2011, 5, .	1.6	0
241	Phytohormone targeting in plant tissues. <i>BMC Proceedings</i> , 2011, 5, .	1.6	0
242	High Performance Liquid Chromatography–Electrochemistry–Electrospray Ionization Mass Spectrometry (HPLC/EC/ESI–MS) for Detection and Characterization of Roscovitine Oxidation Products. <i>Electroanalysis</i> , 2011, 23, 2898-2905.	2.9	10
243	Phenolic acid content and radical scavenging activity of extracts from medlar (<i>Mespilus germanica</i> L.) fruit at different stages of ripening. <i>Food Chemistry</i> , 2011, 124, 271-277.	8.2	137
244	Anti-leishmanial activity of disubstituted purines and related pyrazolo[4,3-d]pyrimidines. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2011, 21, 4233-4237.	2.2	35
245	Cytokinins Mediate Resistance against <i>Pseudomonas syringae</i> in Tobacco through Increased Antimicrobial Phytoalexin Synthesis Independent of Salicylic Acid Signaling. <i>Plant Physiology</i> , 2011, 157, 815-830.	4.8	178
246	In vitro interaction of a novel neutrophil growth factor with human liver microsomal cytochromes P450 and the contribution of UDP-glucuronosyltransferases to its metabolism. <i>Xenobiotica</i> , 2011, 41, 934-944.	1.1	3
247	A qualitative continuous model of cellular auxin and brassinosteroid signaling and their crosstalk. <i>Bioinformatics</i> , 2011, 27, 1404-1412.	4.1	44
248	Root-Specific Reduction of Cytokinin Causes Enhanced Root Growth, Drought Tolerance, and Leaf Mineral Enrichment in <i>Arabidopsis</i> and Tobacco. <i>Plant Cell</i> , 2011, 22, 3905-3920.	6.6	417
249	Cytokinin Regulates the Activity of Reproductive Meristems, Flower Organ Size, Ovule Formation, and Thus Seed Yield in <i>Arabidopsis thaliana</i> . <i>Plant Cell</i> , 2011, 23, 69-80.	6.6	566
250	Trisubstituted Purines Are Useful Tools for Developing Potent Plant Mitogen-Activated Protein Kinase Inhibitors. <i>Bioscience, Biotechnology and Biochemistry</i> , 2010, 74, 553-557.	1.3	1
251	<i>Rhodococcus fascians</i> Impacts Plant Development Through the Dynamic Fas-Mediated Production of a Cytokinin Mix. <i>Molecular Plant-Microbe Interactions</i> , 2010, 23, 1164-1174.	2.6	101
252	Tandem mass spectrometry identification and LC–MS quantification of intact cytokinin nucleotides in K-562 human leukemia cells. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 398, 2071-2080.	3.7	16

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253	Brassinosteroids cause cell cycle arrest and apoptosis of human breast cancer cells. <i>Chemico-Biological Interactions</i> , 2010, 188, 487-496.	4.0	70
254	¹ H-, ¹³ C-, and ¹⁵ N-NMR chemical shifts for selected glucosides and ribosides of aromatic cytokinins. <i>Magnetic Resonance in Chemistry</i> , 2010, 48, 318-322.	1.9	15
255	Cytokinin receptor antagonists derived from 6-benzylaminopurine. <i>Phytochemistry</i> , 2010, 71, 823-830.	2.9	50
256	Anticancer activity of natural cytokinins: A structure-activity relationship study. <i>Phytochemistry</i> , 2010, 71, 1350-1359.	2.9	77
257	X-ray structure, NMR and stability-in-solution study of 6-(furfurylamino)-9-(tetrahydropyran-2-yl)purine - A new active compound for cosmetology. <i>Journal of Molecular Structure</i> , 2010, 975, 376-380.	3.6	2
258	Analysis of 2-methylthio-derivatives of isoprenoid cytokinins by liquid chromatography-tandem mass spectrometry. <i>Analytica Chimica Acta</i> , 2010, 680, 86-91.	5.4	29
259	ENDOGENOUS CYTOKININS, AUXINS, AND ABSCISIC ACID IN RED ALGAE FROM BRAZIL. <i>Journal of Phycology</i> , 2010, 46, 1198-1205.	2.3	78
260	<i>BRX</i> promotes Arabidopsis shoot growth. <i>New Phytologist</i> , 2010, 188, 23-29.	7.3	34
261	Ethylene Interacts with Abscisic Acid to Regulate Endosperm Rupture during Germination: A Comparative Approach Using <i>Lepidium sativum</i> and <i>Arabidopsis thaliana</i> . <i>Plant Cell</i> , 2010, 21, 3803-3822.	6.6	258
262	A seed coat bedding assay shows that RGL2-dependent release of abscisic acid by the endosperm controls embryo growth in <i>Arabidopsis</i> dormant seeds. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 19108-19113.	7.1	177
263	A Subset of Cytokinin Two-component Signaling System Plays a Role in Cold Temperature Stress Response in Arabidopsis. <i>Journal of Biological Chemistry</i> , 2010, 285, 23371-23386.	3.4	315
264	A Novel Roscovitine Derivative Potently Induces G ₁ -Phase Arrest in Platelet-Derived Growth Factor-BB-Activated Vascular Smooth Muscle Cells. <i>Molecular Pharmacology</i> , 2010, 77, 255-261.	2.3	28
265	Identification of <i>Rhodococcus fascians</i> cytokinins and their modus operandi to reshape the plant. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 929-934.	7.1	193
266	In vitro anti-inflammatory and anticancer activities of extracts of <i>Acalypha alopecuroidea</i> (Euphorbiaceae). <i>International Journal of Oncology</i> , 2009, 35, 881-91.	3.3	10
267	Interactions of Olomoucine II with Human Liver Microsomal Cytochromes P450. <i>Drug Metabolism and Disposition</i> , 2009, 37, 1198-1202.	3.3	8
268	Functional p53 in cells contributes to the anticancer effect of the cyclin-dependent kinase inhibitor roscovitine. <i>Journal of Cellular Biochemistry</i> , 2009, 107, 428-437.	2.6	29
269	Salicylic acid-induced changes to growth and phenolic metabolism in <i>Matricaria chamomilla</i> plants. <i>Plant Cell Reports</i> , 2009, 28, 135-143.	5.6	146
270	Identification and Quantification of Several Mammalian Steroid Hormones in Plants by UPLC-MS/MS. <i>Journal of Plant Growth Regulation</i> , 2009, 28, 125-136.	5.1	49

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271	Micropropagation of Wild Service Tree (<i>Sorbus torminalis</i> [L.] Crantz): The Regulative Role of Different Aromatic Cytokinins During Organogenesis. <i>Journal of Plant Growth Regulation</i> , 2009, 28, 341-348.	5.1	37
272	The purine derivative PI7 blocks cytokinin action via receptor inhibition. <i>FEBS Journal</i> , 2009, 276, 244-253.	4.7	64
273	HIGH&#THROUGHPLUT SCREENING TECHNOLOGY FOR MONITORING PHYTOHORMONE PRODUCTION IN MICROALGAE¹. <i>Journal of Phycology</i> , 2009, 45, 108-118.	2.3	36
274	Synthesis, characterization and biological activity of ring-substituted 6-benzylamino-9-tetrahydropyran-2-yl and 9-tetrahydrofuran-2-ylpurine derivatives. <i>Bioorganic and Medicinal Chemistry</i> , 2009, 17, 1938-1947.	3.0	58
275	Profiling ABA metabolites in <i>Nicotiana tabacum</i> L. leaves by ultra-performance liquid chromatography&#electrospray tandem mass spectrometry. <i>Talanta</i> , 2009, 80, 390-399.	5.5	74
276	Isolation of novel indole-3-acetic acid conjugates by immunoaffinity extraction. <i>Talanta</i> , 2009, 80, 651-655.	5.5	86
277	Hormonal and cell division analyses in <i>Watsonia lepida</i> seedlings. <i>Journal of Plant Physiology</i> , 2009, 166, 1497-1507.	3.5	11
278	Interactions of olomoucine II with main drug-metabolizing enzymes of human liver microsomal fraction. <i>Toxicology Letters</i> , 2009, 189, S108.	0.8	0
279	Cadmium and Nickel Uptake Are Differentially Modulated by Salicylic Acid in<i> Matricaria chamomilla</i> Plants. <i>Journal of Agricultural and Food Chemistry</i> , 2009, 57, 9848-9855.	5.2	57
280	Sexually dimorphic gall structures correspond to differential phytohormone contents in male and female wasp larvae. <i>Physiological Entomology</i> , 2009, 34, 359-369.	1.5	48
281	Endogenous cytokinins, auxins and abscisic acid in<i> Ulva fasciata</i> (Chlorophyta) and<i> Dictyota humifusa</i> (Phaeophyta): towards understanding their biosynthesis and homeostasis. <i>European Journal of Phycology</i> , 2009, 44, 231-240.	2.0	57
282	Synthesis of lupane-type saponins bearing mannosyl and 3,6-branched trimannosyl residues and their evaluation as anticancer agents. <i>Carbohydrate Research</i> , 2008, 343, 995-1003.	2.3	65
283	Evidence for Importance of tRNA-Dependent Cytokinin Biosynthetic Pathway in the Moss <i>Physcomitrella patens</i> . <i>Journal of Plant Growth Regulation</i> , 2008, 27, 271-281.	5.1	21
284	Spatial and temporal changes in endogenous cytokinins in developing pea roots. <i>Planta</i> , 2008, 227, 1279-1289.	3.2	28
285	Meta-topolin, an alternative to benzyladenine in tissue culture?. <i>Physiologia Plantarum</i> , 2008, 98, 291-297.	5.2	177
286	Anticancer and antiproliferative activity of natural brassinosteroids. <i>Phytochemistry</i> , 2008, 69, 418-426.	2.9	152
287	Cytokinin profiling in plant tissues using ultra-performance liquid chromatography&#electrospray tandem mass spectrometry. <i>Phytochemistry</i> , 2008, 69, 2214-2224.	2.9	225
288	Novel potent inhibitors of <i>A. thaliana</i> cytokinin oxidase/dehydrogenase. <i>Bioorganic and Medicinal Chemistry</i> , 2008, 16, 9268-9275.	3.0	74

#	ARTICLE	IF	CITATIONS
289	Phenolic acid contents of kale (<i>Brassica oleracea</i> L. var. <i>acephala</i> DC.) extracts and their antioxidant and antibacterial activities. <i>Food Chemistry</i> , 2008, 107, 19-25.	8.2	142
290	Rapid analysis of phenolic acids in beverages by UPLC-MS/MS. <i>Food Chemistry</i> , 2008, 111, 789-794.	8.2	244
291	Phenolic compounds composition and physiological attributes of <i>Matricaria chamomilla</i> grown in copper excess. <i>Environmental and Experimental Botany</i> , 2008, 62, 145-152.	4.2	57
292	The Role of Auxins and Cytokinins in the Mutualistic Interaction Between <i>Arabidopsis</i> and <i>Piriformospora indica</i> . <i>Molecular Plant-Microbe Interactions</i> , 2008, 21, 1371-1383.	2.6	201
293	Classical Anticytokinins Do Not Interact with Cytokinin Receptors but Inhibit Cyclin-dependent Kinases. <i>Journal of Biological Chemistry</i> , 2007, 282, 14356-14363.	3.4	20
294	Cytokinins in the Bryophyte <i>Physcomitrella patens</i> : Analyses of Activity, Distribution, and Cytokinin Oxidase/Dehydrogenase Overexpression Reveal the Role of Extracellular Cytokinins. <i>Plant Physiology</i> , 2007, 145, 786-800.	4.8	101
295	Comparison of light emitting diodes and semiconductor laser inducing photodynamic therapy of cancer cells in vitro. , 2007, , .		0
296	In vitro photodynamic effect by phthalocyanine in A549 cell line. , 2007, , .		0
297	New Analogues of the Potent Cytotoxic Saponin OSW-1. <i>Journal of Medicinal Chemistry</i> , 2007, 50, 3667-3673.	6.4	45
298	Preparation, biological activity and endogenous occurrence of N6-benzyladenosines. <i>Bioorganic and Medicinal Chemistry</i> , 2007, 15, 3737-3747.	3.0	102
299	Immunoaffinity chromatography of abscisic acid combined with electrospray liquid chromatography-mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2007, 847, 162-173.	2.3	44
300	DETERMINATION OF CHEMICAL COMPOSITION OF ANATOLIAN CAROB POD (<i>CERATONIA SILIQUA</i> L.): SUGARS, AMINO AND ORGANIC ACIDS, MINERALS AND PHENOLIC COMPOUNDS. <i>Journal of Food Quality</i> , 2007, 30, 1040-1055.	2.6	121
301	New Techniques for the Estimation of Naturally Occurring Brassinosteroids. <i>Journal of Plant Growth Regulation</i> , 2007, 26, 1-14.	5.1	74
302	Cytokinins in the perianth, carpels, and developing fruit of <i>Helleborus niger</i> L.. <i>Journal of Experimental Botany</i> , 2006, 57, 2237-2247.	4.8	24
303	4-Arylazo-3,5-diamino-1H-pyrazole CDK Inhibitors: SAR Study, Crystal Structure in Complex with CDK2, Selectivity, and Cellular Effects. <i>Journal of Medicinal Chemistry</i> , 2006, 49, 6500-6509.	6.4	166
304	Exogenous supply of glutamine and active cytokinin to the roots reduces NO ₃ - uptake rates in poplar. <i>Plant, Cell and Environment</i> , 2006, 29, 1284-1297.	5.7	42
305	DOF transcription factor AtDof1.1 (OBP2) is part of a regulatory network controlling glucosinolate biosynthesis in <i>Arabidopsis</i> . <i>Plant Journal</i> , 2006, 47, 10-24.	5.7	243
306	Synthesis and biological activity of 8-azapurine and pyrazolo[4,3-d]pyrimidine analogues of myoseverin. <i>European Journal of Medicinal Chemistry</i> , 2006, 41, 1405-1411.	5.5	39

#	ARTICLE	IF	CITATIONS
307	Preparation and biological activity of 6-benzylaminopurine derivatives in plants and human cancer cells. <i>Bioorganic and Medicinal Chemistry</i> , 2006, 14, 875-884.	3.0	120
308	Endogenous cytokinins in shoots of <i>Aloe polyphylla</i> cultured in vitro in relation to hyperhydricity, exogenous cytokinins and gelling agents. <i>Plant Growth Regulation</i> , 2006, 49, 49.	3.4	1
309	Endogenous cytokinins in shoots of <i>Aloe polyphylla</i> cultured in vitro in relation to hyperhydricity, exogenous cytokinins and gelling agents. <i>Plant Growth Regulation</i> , 2006, 50, 219-230.	3.4	33
310	Electrical and chemical signals involved in short-term systemic photosynthetic responses of tobacco plants to local burning. <i>Planta</i> , 2006, 225, 235-244.	3.2	110
311	Interaction Energies for the Purine Inhibitor Roscovitine with Cyclin-Dependent Kinase 2: Correlated Ab Initio Quantum-Chemical, DFT and Empirical Calculations. <i>Chemistry - A European Journal</i> , 2006, 12, 4297-4304.	3.3	21
312	Auxin Immunolocalization Implicates Vesicular Neurotransmitter-Like Mode of Polar Auxin Transport in Root Apices. <i>Plant Signaling and Behavior</i> , 2006, 1, 122-133.	2.4	91
313	Synthesis, spectral study and cytotoxicity of platinum(II) complexes with 2,9-disubstituted-6-benzylaminopurines. <i>Journal of Inorganic Biochemistry</i> , 2005, 99, 2127-2138.	3.5	15
314	8-Azapurines as new inhibitors of cyclin-dependent kinases. <i>Bioorganic and Medicinal Chemistry</i> , 2005, 13, 5399-5407.	3.0	43
315	A live cell hormone-binding assay on transgenic bacteria expressing a eukaryotic receptor protein. <i>Analytical Biochemistry</i> , 2005, 347, 129-134.	2.4	78
316	Batch immunoextraction method for efficient purification of aromatic cytokinins. <i>Journal of Chromatography A</i> , 2005, 1100, 116-125.	3.7	28
317	Purification of 3-indolylacetic acid by solid phase extraction. <i>Journal of Separation Science</i> , 2005, 28, 1370-1374.	2.5	19
318	The Involvement of Cytokinin Oxidase/Dehydrogenase and Zeatin Reductase in Regulation of Cytokinin Levels in Pea (<i>Pisum sativum</i> L.) Leaves. <i>Journal of Plant Growth Regulation</i> , 2005, 24, 188-200.	5.1	38
319	Changes in Endogenous Cytokinins During Germination and Seedling Establishment of <i>Tagetes minuta</i> L.. <i>Plant Growth Regulation</i> , 2005, 47, 1-7.	3.4	35
320	Separation, Characterization, and Quantitation of Phenolic Acids in a Little-Known Blueberry (<i>Vaccinium arctostaphylos</i> L.) Fruit by HPLC-MS. <i>Journal of Agricultural and Food Chemistry</i> , 2005, 53, 8116-8122.	5.2	118
321	<i>Arabidopsis</i> Cytokinin Receptor Mutants Reveal Functions in Shoot Growth, Leaf Senescence, Seed Size, Germination, Root Development, and Cytokinin Metabolism. <i>Plant Cell</i> , 2005, 18, 40-54.	6.6	851
322	INTERACTION OF AROMATIC CYTOKININS WITH HUMAN LIVER MICROSOMAL CYTOCHROMES P450. <i>Biomedical Papers of the Medical Faculty of the University Palacký&#x0301;, Olomouc, Czechoslovakia</i> , 2005, 149, 349-351.	0.6	3
323	Two Cytokinin Receptors of <i>Arabidopsis thaliana</i> , CRE1/AHK4 and AHK3, Differ in their Ligand Specificity in a Bacterial Assay. <i>Plant and Cell Physiology</i> , 2004, 45, 1299-1305.	3.1	262
324	Cytokinin oxidase/dehydrogenase genes in barley and wheat. <i>FEBS Journal</i> , 2004, 271, 3990-4002.	0.2	86

#	ARTICLE	IF	CITATIONS
325	Changes in cytokinin and auxin concentrations in seaweed concentrates when stored at an elevated temperature. <i>Journal of Applied Phycology</i> , 2004, 16, 31-39.	2.8	158
326	ENDOGENOUS CYTOKININS IN THREE GENERA OF MICROALGAE FROM THE CHLOROPHYTA ¹ . <i>Journal of Phycology</i> , 2004, 40, 88-95.	2.3	95
327	Cytokinin N-glucosylation inhibitors suppress deactivation of exogenous cytokinins in radish, but their effect on active endogenous cytokinins is counteracted by other regulatory mechanisms. <i>Physiologia Plantarum</i> , 2004, 121, 215-222.	5.2	22
328	Title is missing!. <i>Plant Growth Regulation</i> , 2003, 40, 39-47.	3.4	15
329	Cytokinins in macroalgae. <i>Plant Growth Regulation</i> , 2003, 41, 13-24.	3.4	169
330	Effect of postharvest period on sugars, organic acids and fatty acids composition in commercially sold medlar (<i>Mespilus germanica</i> 'Dutch') fruit. <i>European Food Research and Technology</i> , 2003, 216, 390-394.	3.3	35
331	Quantitative analysis of cytokinins in plants by liquid chromatography–single-quadrupole mass spectrometry. <i>Analytica Chimica Acta</i> , 2003, 480, 207-218.	5.4	146
332	Mixed ligand complexes of platinum(II) and palladium(II) with cytokinin-derived compounds Bohemine and Olomoucine: X-ray structure of [Pt(BohH ⁺ -N7)Cl ₃]·9/5H ₂ O		

#	ARTICLE	IF	CITATIONS
343	Title is missing!. Plant Growth Regulation, 2002, 36, 181-189.	3.4	15
344	Title is missing!. Transition Metal Chemistry, 2002, 27, 580-586.	1.4	23
345	Preparation and cytotoxic activity of nickel(II) complexes with 6-benzylaminopurine derivatives. Transition Metal Chemistry, 2002, 27, 918-923.	1.4	6
346	Effect of the Purine Derivative Myoseverin and of Its Analogues on Cultured Hybridoma Cells. Collection of Czechoslovak Chemical Communications, 2002, 67, 257-266.	1.0	6
347	Initiation of apoptosis by photodynamic therapy on MCF7 cells. Scientific World Journal, The, 2001, 1, 122-122.	2.1	1
348	<title>Laser-induced photodynamic effect</title>. , 2001, , .		0
349	Metal complexes as anticancer agents 2. Iron(III) and copper(II) bio-active complexes with N6-benzylaminopurine derivatives. Inorganica Chimica Acta, 2001, 323, 119-129.	2.4	45
350	Diverse effects of the cyclin-dependent kinase inhibitor boheminine: Concentration- and time-dependent suppression or stimulation of hybridoma culture. Cytotechnology, 2001, 36, 117-123.	1.6	4
351	Preparation, physicochemical properties and biological activity of copper(II) complexes with 6-(2-chlorobenzylamino)purine (HL1) or 6-(3-chlorobenzylamino)purine (HL2). The single-crystal X-ray structure of [Cu(H+L2)2Cl3]Cl·2H2O. Journal of Inorganic Biochemistry, 2001, 84, 23-32.	3.5	75
352	Proteomics approach in classifying the biochemical basis of the anticancer activity of the new olomoucine-derived synthetic cyclin-dependent kinase inhibitor, boheminine. Electrophoresis, 2000, 21, 3757-3764.	2.4	48
353	Title is missing!. Transition Metal Chemistry, 2000, 25, 265-269.	1.4	17
354	Synthesis of (20S)-21 β ,31 β -Dihydroxy-6-oxo-7-oxa-7a-homo-5 β -pregnane-20-carboxylic Acid as a Brassinosteroid Part of Ligands for Binding to Affinity Chromatography Carriers. Collection of Czechoslovak Chemical Communications, 2000, 65, 1754-1761.	1.0	14
355	Docking-Based Development of Purine-like Inhibitors of Cyclin-Dependent Kinase-2. Journal of Medicinal Chemistry, 2000, 43, 2506-2513.	6.4	62
356	Dynamics of Cytokinins in Apical Shoot Meristems of a Day-Neutral Tobacco during Floral Transition and Flower Formation1. Plant Physiology, 1999, 119, 111-122.	4.8	118
357	Increased steady state mRNA levels of the STM and KNAT1 homeobox genes in cytokinin overproducing Arabidopsis thaliana indicate a role for cytokinins in the shoot apical meristem. Plant Journal, 1999, 18, 557-563.	5.7	252
358	Comparison of oriented and random antibody immobilization in immunoaffinity chromatography of cytokinins. Journal of Chromatography A, 1998, 811, 77-84.	3.7	31
359	Biological activity of cytokinins derived from Ortho- and Meta-Hydroxybenzyladenine. Plant Growth Regulation, 1998, 26, 109-115.	3.4	105
360	Treatment of Vicia fabaroot tip cells with specific inhibitors to cyclin-dependent kinases leads to abnormal spindle formation. Plant Journal, 1998, 16, 697-707.	5.7	69

#	ARTICLE	IF	CITATIONS
361	Cytokinins as Inhibitors of Plant Amine Oxidase. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 1998, 13, 457-463.	0.5	12
362	17 α -Oxa-17 α -homobrassinosteroid Analogues. <i>Collection of Czechoslovak Chemical Communications</i> , 1998, 63, 646-654.	1.0	10
363	The aromatic cytokinins. <i>Physiologia Plantarum</i> , 1997, 101, 674-688.	5.2	9
364	Induction of apoptosis and regression of spontaneous dog melanoma following in vivo application of synthetic cyclin-dependent kinase inhibitor olomoucine. <i>Anti-Cancer Drugs</i> , 1997, 8, 1007-1013.	1.4	25
365	The aromatic cytokinins. <i>Physiologia Plantarum</i> , 1997, 101, 674-688.	5.2	200
366	Inhibition of Cyclin-Dependent Kinases by Purine Analogues. Crystal Structure of Human cdk2 Complexed with Roscovitine. <i>FEBS Journal</i> , 1997, 243, 518-526.	0.2	590
367	Cytokinin-Derived Cyclin-Dependent Kinase Inhibitors: Synthesis and cdc2 Inhibitory Activity of Olomoucine and Related Compounds. <i>Journal of Medicinal Chemistry</i> , 1997, 40, 408-412.	6.4	225
368	Conditional transgenic expression of the ipt gene indicates a function for cytokinins in paracrine signaling in whole tobacco plants. <i>Plant Journal</i> , 1997, 12, 401-415.	5.7	285
369	Meta-topolin, a highly active aromatic cytokinin from poplar leaves (<i>Populus Æ canadensis</i> Moench.), <i>Tj ETQq1 1 0,784314 rgBT /Ov</i>	2.9	120
370	Chemically induced expression of the rolC-encoded beta-glucosidase in transgenic tobacco plants and analysis of cytokinin metabolism: rolC does not hydrolyze endogenous cytokinin glucosides in planta. <i>Plant Journal</i> , 1996, 10, 33-46.	5.7	102
371	Pregnane-Type Brassinosteroids with a Four-Carbon Ester Functionality in Position 20. <i>Collection of Czechoslovak Chemical Communications</i> , 1996, 61, 930-940.	1.0	12
372	Quantifying Phytohormones in Transformed Plants. , 1995, 44, 245-262.		27
373	Ortho-topolin-9-glucoside, an aromatic cytokinin from <i>Populus x canadensis</i> cv <i>Robusta</i> leaves. <i>Phytochemistry</i> , 1994, 37, 1059-1062.	2.9	37
374	Inhibition of Cyclin-Dependent Kinases by Purine Analogues. <i>FEBS Journal</i> , 1994, 224, 771-786.	0.2	576
375	Cytokinins in photoperiodic induction of flowering in <i>Chenopodium</i> species. <i>Physiologia Plantarum</i> , 1993, 87, 160-166.	5.2	76
376	Brassinosteroids with Ester Function with Five Carbon Atoms at the 20 Position. <i>Collection of Czechoslovak Chemical Communications</i> , 1992, 57, 1731-1738.	1.0	10
377	Brassino steroids with androstane and pregnane skeleton. <i>Collection of Czechoslovak Chemical Communications</i> , 1987, 52, 476-486.	1.0	15
378	Alternative syntheses of 2 β ,3 β ,17 β -trihydroxy-7-oxa-B-homo-5 β -androstan-6-one and some androstane brassinolide analogs. <i>Collection of Czechoslovak Chemical Communications</i> , 1987, 52, 1026-1042.	1.0	9

#	ARTICLE	IF	CITATIONS
379	2 β ,3 β -Dihydroxy-7-oxa-6-oxo-B-homo-5 β -pregnan-21-oic acid and its derivatives as brassinolide analogues. Collection of Czechoslovak Chemical Communications, 1987, 52, 215-222.	1.0	5
380	Brassinosteroids with a cholestane side chain. Collection of Czechoslovak Chemical Communications, 1986, 51, 447-458.	1.0	6
381	Preparation of 2 β ,3 β -dihydroxy-7-oxa-6-oxo-23,24-dinor-B-homo-5 β -cholanolic acid, its esters and amides as brassinolide analogues. Collection of Czechoslovak Chemical Communications, 1986, 51, 687-697.	1.0	17