

Miroslav Strnad

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Arabidopsis 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
2	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
3	Inhibition of Cyclin-Dependent Kinases by Purine Analogues. <i>FEBS Journal</i> , 1994, 224, 771-786.	0.2	576
4	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
5	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
6	A Subset of Cytokinin Two-component Signaling System Plays a Role in Cold Temperature Stress Response in <i>Arabidopsis</i> . <i>Journal of Biological Chemistry</i> , 2010, 285, 23371-23386.	3.4	315
7	Plant Hormonomics: Multiple Phytohormone Profiling by Targeted Metabolomics. <i>Plant Physiology</i> , 2018, 177, 476-489.	4.8	293
8	Conditional transgenic expression of the <i>ipt</i> gene indicates a function for cytokinins in paracrine signaling in whole tobacco plants. <i>Plant Journal</i> , 1997, 12, 401-415.	5.7	285
9	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
10	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
11	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
12	Increased steady state mRNA levels of the <i>STM</i> and <i>KNAT1</i> homeobox genes in cytokinin overproducing <i>Arabidopsis thaliana</i> indicate a role for cytokinins in the shoot apical meristem. <i>Plant Journal</i> , 1999, 18, 557-563.	5.7	252
13	Rapid analysis of phenolic acids in beverages by UPLC-MS/MS. <i>Food Chemistry</i> , 2008, 111, 789-794.	8.2	244
14	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
15	Cytokinin-Derived Cyclin-Dependent Kinase Inhibitors: Synthesis and <i>cdc2</i> Inhibitory Activity of Olomoucine and Related Compounds. <i>Journal of Medicinal Chemistry</i> , 1997, 40, 408-412.	6.4	225
16	Cytokinin profiling in plant tissues using ultra-performance liquid chromatography-electrospray tandem mass spectrometry. <i>Phytochemistry</i> , 2008, 69, 2214-2224.	2.9	225
17	<i>Arabidopsis</i> ABCG14 protein controls the acropetal translocation of root-synthesized cytokinins. <i>Nature Communications</i> , 2014, 5, 3274.	12.8	214
18	Fluorescent castasterone reveals BR1 signaling from the plasma membrane. <i>Nature Chemical Biology</i> , 2012, 8, 583-589.	8.0	203

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19	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
20	The aromatic cytokinins. <i>Physiologia Plantarum</i> , 1997, 101, 674-688.	5.2	200
21	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
22	UHPLC-MS/MS based target profiling of stress-induced phytohormones. <i>Phytochemistry</i> , 2014, 105, 147-157.	2.9	184
23	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
24	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
25	Meta-topolin, an alternative to benzyladenine in tissue culture?. <i>Physiologia Plantarum</i> , 2008, 98, 291-297.	5.2	177
26	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
27	Jasmonate signaling in plant stress responses and development – active and inactive compounds. <i>New Biotechnology</i> , 2016, 33, 604-613.	4.4	177
28	<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
29	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
30	Cytokinins in macroalgae. <i>Plant Growth Regulation</i> , 2003, 41, 13-24.	3.4	169
31	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
32	Jasmonates: News on Occurrence, Biosynthesis, Metabolism and Action of an Ancient Group of Signaling Compounds. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2539.	4.1	161
33	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
34	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
35	Anticancer and antiproliferative activity of natural brassinosteroids. <i>Phytochemistry</i> , 2008, 69, 418-426.	2.9	152
36	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

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37	Auxin and cytokinin relationships in 24 microalgal strains. Journal of Phycology, 2013, 49, 459-467.	2.3	150
38	Cytokinin production by <i>Pseudomonas fluorescens</i> G20-18 determines biocontrol activity against <i>Pseudomonas syringae</i> in <i>Arabidopsis</i> . Scientific Reports, 2016, 6, 23310.	3.3	148
39	Quantitative analysis of cytokinins in plants by liquid chromatography–single-quadrupole mass spectrometry. Analytica Chimica Acta, 2003, 480, 207-218.	5.4	146
40	Salicylic acid-induced changes to growth and phenolic metabolism in <i>Matricaria chamomilla</i> plants. Plant Cell Reports, 2009, 28, 135-143.	5.6	146
41	Phenolic acid contents of kale (<i>Brassica oleracea</i> L. var. <i>acephala</i> DC.) extracts and their antioxidant and antibacterial activities. Food Chemistry, 2008, 107, 19-25.	8.2	142
42	Overexpression of the cytosolic cytokinin oxidase/dehydrogenase (CKX7) from <i>Arabidopsis</i> causes specific changes in root growth and xylem differentiation. Plant Journal, 2014, 78, 359-371.	5.7	141
43	Analysis of gibberellins as free acids by ultra performance liquid chromatography–tandem mass spectrometry. Talanta, 2013, 112, 85-94.	5.5	138
44	Phenolic acid content and radical scavenging activity of extracts from medlar (<i>Mespilus germanica</i> L.) fruit at different stages of ripening. Food Chemistry, 2011, 124, 271-277.	8.2	137
45	Silicon induces resistance to the brown spot fungus <i>Cochliobolus miyabeanus</i> by preventing the pathogen from hijacking the rice ethylene pathway. New Phytologist, 2015, 206, 761-773.	7.3	132
46	DETERMINATION OF CHEMICAL COMPOSITION OF ANATOLIAN CAROB POD (<i>CERATONIA SILIQUA</i> L.): SUGARS, AMINO AND ORGANIC ACIDS, MINERALS AND PHENOLIC COMPOUNDS. Journal of Food Quality, 2007, 30, 1040-1055.	2.6	121
47	Meta-topolin, a highly active aromatic cytokinin from poplar leaves (<i>Populus</i> <i>canadensis</i> Moench.), Tj ETQq1 1 0,784314 rgBT /Over	2.9	120
48	Preparation and biological activity of 6-benzylaminopurine derivatives in plants and human cancer cells. Bioorganic and Medicinal Chemistry, 2006, 14, 875-884.	3.0	120
49	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
50	Separation, Characterization, and Quantitation of Phenolic Acids in a Little-Known Blueberry (<i>Vaccinium arctostaphylos</i> L.) Fruit by HPLC-MS. Journal of Agricultural and Food Chemistry, 2005, 53, 8116-8122.	5.2	118
51	A parasitic nematode releases cytokinin that controls cell division and orchestrates feeding site formation in host plants. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 12669-12674.	7.1	113
52	Electrical and chemical signals involved in short-term systemic photosynthetic responses of tobacco plants to local burning. Planta, 2006, 225, 235-244.	3.2	110
53	Spatially and genetically distinct control of seed germination by phytochromes A and B. Genes and Development, 2012, 26, 1984-1996.	5.9	110
54	Cytokinin response in pepper plants (<i>Capsicum annuum</i> L.) exposed to silver nanoparticles. Environmental Research, 2017, 156, 10-18.	7.5	109

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55	Hormone profiles in microalgae: Gibberellins and brassinosteroids. <i>Plant Physiology and Biochemistry</i> , 2013, 70, 348-353.	5.8	108
56	Biological activity of cytokinins derived from Ortho- and Meta-Hydroxybenzyladenine. <i>Plant Growth Regulation</i> , 1998, 26, 109-115.	3.4	105
57	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
58	Preparation, biological activity and endogenous occurrence of N6-benzyladenosines. <i>Bioorganic and Medicinal Chemistry</i> , 2007, 15, 3737-3747.	3.0	102
59	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
60	<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
61	Antagonistic roles of abscisic acid and cytokinin during response to nitrogen depletion in oleaginous microalga <i>Nannochloropsis oceanica</i> expand the evolutionary breadth of phytohormone function. <i>Plant Journal</i> , 2014, 80, 52-68.	5.7	101
62	Proteasomal Control of Cytokinin Synthesis Protects <i>Mycobacterium tuberculosis</i> against Nitric Oxide. <i>Molecular Cell</i> , 2015, 57, 984-994.	9.7	101
63	Jasmonates in flower and seed development. <i>Biochimie</i> , 2013, 95, 79-85.	2.6	98
64	ENDOGENOUS CYTOKININS IN THREE GENERA OF MICROALGAE FROM THE CHLOROPHYTA ¹ . <i>Journal of Phycology</i> , 2004, 40, 88-95.	2.3	95
65	Gain-of-Function Mutants of the Cytokinin Receptors AHK2 and AHK3 Regulate Plant Organ Size, Flowering Time and Plant Longevity. <i>Plant Physiology</i> , 2017, 173, 1783-1797.	4.8	94
66	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
67	Cytokinin oxidase/dehydrogenase genes in barley and wheat. <i>FEBS Journal</i> , 2004, 271, 3990-4002.	0.2	86
68	Isolation of novel indole-3-acetic acid conjugates by immunoaffinity extraction. <i>Talanta</i> , 2009, 80, 651-655.	5.5	86
69	Identification of new aromatic cytokinins in <i>Arabidopsis thaliana</i> and <i>Populus alifanadensis</i> leaves by LC-(+)-ESI-MS and capillary liquid chromatography/frit-fast atom bombardment mass spectrometry. <i>Physiologia Plantarum</i> , 2003, 117, 579-590.	5.2	83
70	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
71	ENDOGENOUS CYTOKININS, AUXINS, AND ABSCISIC ACID IN RED ALGAE FROM BRAZIL ¹ . <i>Journal of Phycology</i> , 2010, 46, 1198-1205.	2.3	78
72	Anticancer activity of natural cytokinins: A structure-activity relationship study. <i>Phytochemistry</i> , 2010, 71, 1350-1359.	2.9	77

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73	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
74	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
75	Cytokinins in photoperiodic induction of flowering in <i>Chenopodium</i> species. <i>Physiologia Plantarum</i> , 1993, 87, 160-166.	5.2	76
76	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 ₂ L)2Cl ₃]Cl·2H ₂ O. <i>Journal of Inorganic Biochemistry</i> , 2001, 84, 23-32.	3.5	75
77	New Techniques for the Estimation of Naturally Occurring Brassinosteroids. <i>Journal of Plant Growth Regulation</i> , 2007, 26, 1-14.	5.1	74
78	Novel potent inhibitors of <i>A. thaliana</i> cytokinin oxidase/dehydrogenase. <i>Bioorganic and Medicinal Chemistry</i> , 2008, 16, 9268-9275.	3.0	74
79	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
80	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
81	Quo vadis plant hormone analysis?. <i>Planta</i> , 2014, 240, 55-76.	3.2	72
82	Brassinosteroids cause cell cycle arrest and apoptosis of human breast cancer cells. <i>Chemico-Biological Interactions</i> , 2010, 188, 487-496.	4.0	70
83	Treatment of <i>Vicia faba</i> root tip cells with specific inhibitors to cyclin-dependent kinases leads to abnormal spindle formation. <i>Plant Journal</i> , 1998, 16, 697-707.	5.7	69
84	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
85	Brassinosteroids: synthesis and biological activities. <i>Phytochemistry Reviews</i> , 2015, 14, 1053-1072.	6.5	66
86	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
87	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
88	Synthesis and biological activity of olomoucine II. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2002, 12, 3283-3286.	2.2	64
89	The purine derivative Plâ€5 blocks cytokinin action via receptor inhibition. <i>FEBS Journal</i> , 2009, 276, 244-253.	4.7	64
90	Myrغالone 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

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91	Cytokinin fluoroprobe reveals multiple sites of cytokinin perception at plasma membrane and endoplasmic reticulum. <i>Nature Communications</i> , 2020, 11, 4285.	12.8	64
92	Docking-Based Development of Purine-like Inhibitors of Cyclin-Dependent Kinase-2. <i>Journal of Medicinal Chemistry</i> , 2000, 43, 2506-2513.	6.4	62
93	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
94	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
95	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
96	Specialized Plant Metabolism Characteristics and Impact on Target Molecule Biotechnological Production. <i>Molecular Biotechnology</i> , 2018, 60, 169-183.	2.4	59
97	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
98	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
99	Tau protein, beta-amyloid1Ā“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
100	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
101	Crosstalk between Brassinosteroids and Ethylene during Plant Growth and under Abiotic Stress Conditions. <i>International Journal of Molecular Sciences</i> , 2018, 19, 3283.	4.1	58
102	Local brassinosteroid biosynthesis enables optimal root growth. <i>Nature Plants</i> , 2021, 7, 619-632.	9.3	58
103	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
104	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
105	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
106	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
107	Biotechnological approaches for producing aryltetralin lignans from <i>Linum</i> species. <i>Phytochemistry Reviews</i> , 2014, 13, 893-913.	6.5	57
108	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

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109	Isoprenoid-derived plant signaling molecules: biosynthesis and biological importance. <i>Planta</i> , 2018, 247, 1051-1066.	3.2	56
110	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
111	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
112	Cytokinin receptor antagonists derived from 6-benzylaminopurine. <i>Phytochemistry</i> , 2010, 71, 823-830.	2.9	50
113	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
114	The role of cytokinins in clubroot disease. <i>European Journal of Plant Pathology</i> , 2016, 145, 543-557.	1.7	49
115	Proteomics approach in classifying the biochemical basis of the anticancer activity of the new olomoucine-derived synthetic cyclin-dependent kinase inhibitor, boheminine. <i>Electrophoresis</i> , 2000, 21, 3757-3764.	2.4	48
116	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
117	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
118	Metal complexes as anticancer agents 2. Iron(III) and copper(II) bio-active complexes with N6-benzylaminopurine derivatives. <i>Inorganica Chimica Acta</i> , 2001, 323, 119-129.	2.4	45
119	New Analogues of the Potent Cytotoxic Saponin OSW-1. <i>Journal of Medicinal Chemistry</i> , 2007, 50, 3667-3673.	6.4	45
120	CHANGES IN ENDOGENOUS CYTOKININ CONCENTRATIONS IN CHLORELLA (CHLOROPHYCEAE) IN RELATION TO LIGHT AND THE CELL CYCLE1. <i>Journal of Phycology</i> , 2011, 47, 291-301.	2.3	45
121	Mechanisms of natural brassinosteroid-induced apoptosis of prostate cancer cells. <i>Food and Chemical Toxicology</i> , 2012, 50, 4068-4076.	3.6	45
122	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
123	<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
124	Aromatic cytokinins in micropropagated potato plants. <i>Plant Physiology and Biochemistry</i> , 2002, 40, 217-224.	5.8	44
125	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
126	A qualitative continuous model of cellular auxin and brassinosteroid signaling and their crosstalk. <i>Bioinformatics</i> , 2011, 27, 1404-1412.	4.1	44

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127	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
128	Biochemical Evidence for the Activation of Distinct Subsets of Mitogen-Activated Protein Kinases by Voltage and Defense-Related Stimuli. <i>Plant Physiology</i> , 2002, 128, 271-281.	4.8	43
129	8-Azapurines as new inhibitors of cyclin-dependent kinases. <i>Bioorganic and Medicinal Chemistry</i> , 2005, 13, 5399-5407.	3.0	43
130	Novel thidiazuron-derived inhibitors of cytokinin oxidase/dehydrogenase. <i>Plant Molecular Biology</i> , 2016, 92, 235-248.	3.9	43
131	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
132	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
133	<i>ETHYLENE RESPONSE FACTOR 115</i> 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
134	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
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