

Miroslav Strnad

List of Publications by Year in descending order

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381
papers

21,076
citations

11235

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392
docs citations

392
times ranked

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#	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.	1.8	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.	2.8	9
3	Seasonal variation of phenolic compounds in <i>Zostera marina</i> (Zosteraceae) from the Baltic Sea. <i>Phytochemistry</i> , 2022, 196, 113099.	1.4	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.	1.6	24
5	The Phenolics and Antioxidant Properties of Black and Purple versus White Eggplant Cultivars. <i>Molecules</i> , 2022, 27, 2410.	1.7	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.	1.8	6
7	Procyanidin C1 from <i>Viola odorata</i> L. inhibits Na ⁺ ,K ⁺ -ATPase. <i>Scientific Reports</i> , 2022, 12, 7011.	1.6	1
8	iP & OEIP Cytokinin Micro Application Modulates Root Development with High Spatial Resolution. <i>Advanced Materials Technologies</i> , 2022, 7, .	3.0	3
9	Cytokinin oxidase/dehydrogenase inhibitors: outlook for selectivity and high efficiency. <i>Journal of Experimental Botany</i> , 2022, 73, 4806-4817.	2.4	4
10	3,5,7-Substituted Pyrazolo[4,3-d]Pyrimidine Inhibitors of Cyclin-Dependent Kinases and Cyclin K Degraders. <i>Journal of Medicinal Chemistry</i> , 2022, 65, 8881-8896.	2.9	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.	2.4	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.	1.2	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.	1.4	18
14	Diphenylurea-derived cytokinin oxidase/dehydrogenase inhibitors for biotechnology and agriculture. <i>Journal of Experimental Botany</i> , 2021, 72, 355-370.	2.4	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.	0.8	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.	1.7	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.	1.7	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.	3.5	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.	2.6	17
22	Cytoprotective activities of kinetin purine isosteres. <i>Bioorganic and Medicinal Chemistry</i> , 2021, 33, 115993.	1.4	6
23	Analytical Methods for the Determination of Neuroactive Steroids. <i>Biomolecules</i> , 2021, 11, 553.	1.8	13
24	Local brassinosteroid biosynthesis enables optimal root growth. <i>Nature Plants</i> , 2021, 7, 619-632.	4.7	58
25	Adenosine 5-phosphosulfate reductase and sulfite oxidase regulate sulfite-induced water loss in <i>Arabidopsis</i> . <i>Journal of Experimental Botany</i> , 2021, 72, 6447-6466.	2.4	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.	2.8	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.	2.8	15
28	Caged Phytohormones: From Chemical Inactivation to Controlled Physiological Response. <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 12111-12125.	2.4	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.	1.7	7
30	Multifaceted regulatory function of tomato S1TAF1 in the response to salinity stress. <i>New Phytologist</i> , 2020, 225, 1681-1698.	3.5	42
31	Synthesis and anthelmintic activity of benzopyrano[2,3-c]pyrazol-4(2H)-one derivatives. <i>Molecular Diversity</i> , 2020, 24, 1025-1042.	2.1	13
32	Sesquiterpene lactones from <i>Sonchus palustris</i> L. (Asteraceae, Cichorieae). <i>Phytochemistry</i> , 2020, 170, 112196.	1.4	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.	2.4	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.	1.4	8
35	Embryonal Masses Induced at High Temperatures in Aleppo Pine: Cytokinin Profile and Cytological Characterization. <i>Forests</i> , 2020, 11, 807.	0.9	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.	2.8	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.	1.8	1
38	Plant Triterpenoid Crosstalk: The Interaction of Brassinosteroids and Phytoecdysteroids in <i>Lepidium sativum</i> . <i>Plants</i> , 2020, 9, 1325.	1.6	5
39	An improved strategy to analyse strigolactones in complex sample matrices using UHPLC-MS/MS. <i>Plant Methods</i> , 2020, 16, 125.	1.9	31
40	Cytokinin fluoroprobe reveals multiple sites of cytokinin perception at plasma membrane and endoplasmic reticulum. <i>Nature Communications</i> , 2020, 11, 4285.	5.8	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.	1.2	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.	1.6	37
43	Bioactive Steroids from the Red Sea Soft Coral <i>Sinularia polydactyla</i> . <i>Marine Drugs</i> , 2020, 18, 632.	2.2	21
44	Naturally Occurring and Artificial N9-Cytokinin Conjugates: From Synthesis to Biological Activity and Back. <i>Biomolecules</i> , 2020, 10, 832.	1.8	19
45	Aromatic Cytokinin Arabinosides Promote PAMP-like Responses and Positively Regulate Leaf Longevity. <i>ACS Chemical Biology</i> , 2020, 15, 1949-1963.	1.6	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.	2.6	5
47	Dual Role of Gibberellin in Perennial Shoot Branching: Inhibition and Activation. <i>Frontiers in Plant Science</i> , 2020, 11, 736.	1.7	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.	3.5	43
49	SEEDSTICK Controls Arabidopsis Fruit Size by Regulating Cytokinin Levels and FRUITFULL. <i>Cell Reports</i> , 2020, 30, 2846-2857.e3.	2.9	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.	0.8	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.	1.8	4
52	New lupane bidesmosides exhibiting strong cytotoxic activities in vitro. <i>Bioorganic Chemistry</i> , 2020, 100, 103868.	2.0	9
53	New fluorescently labeled auxins exhibit promising anti-auxin activity. <i>New Biotechnology</i> , 2019, 48, 44-52.	2.4	16
54	The biochemistry underpinning industrial seed technology and mechanical processing of sugar beet. <i>Planta</i> , 2019, 250, 1717-1729.	1.6	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.	0.8	7
56	Synthesis and evaluation of cytotoxic and Na ⁺ /K ⁺ -ATP-ase inhibitory activity of selected 5 β -oleandriogenin derivatives. <i>European Journal of Medicinal Chemistry</i> , 2019, 180, 417-429.	2.6	3
57	The plant hormone kinetin in disease therapy and healthy aging. <i>Ageing Research Reviews</i> , 2019, 55, 100958.	5.0	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.	2.9	35
59	6-Substituted purines as ROCK inhibitors with anti-metastatic activity. <i>Bioorganic Chemistry</i> , 2019, 90, 103005.	2.0	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.	1.7	19
61	Involvement of Phenolic Acids in Short-Term Adaptation to Salinity Stress is Species-Specific among Brassicaceae. <i>Plants</i> , 2019, 8, 155.	1.6	65
62	OX11 and DAD Regulate Light-Induced Cell Death Antagonistically through Jasmonate and Salicylate Levels. <i>Plant Physiology</i> , 2019, 180, 1691-1708.	2.3	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.	0.6	1
64	Synthesis, characterization and antiproliferative activity of seco analogues of brassinosteroids. <i>Steroids</i> , 2019, 146, 1-13.	0.8	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.	1.5	3
66	Mal de R \ddot{a} o Cuarto virus infection causes hormone imbalance and sugar accumulation in wheat leaves. <i>BMC Plant Biology</i> , 2019, 19, 112.	1.6	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.	1.7	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.	1.6	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.	2.4	31
70	The Dynamics of Cytokinin Changes after Grafting of Vegetative Apices on Flowering Rapeseed Plants. <i>Plants</i> , 2019, 8, 78.	1.6	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.	2.9	16
72	High α -proline proteins in experimental hazy white wine produced from partially botrytized grapes. <i>Biotechnology and Applied Biochemistry</i> , 2019, 66, 398-411.	1.4	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.	1.8	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.	2.8	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.	2.4	178
76	Design, synthesis and perception of fluorescently labeled isoprenoid cytokinins. <i>Phytochemistry</i> , 2018, 150, 1-11.	1.4	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.	2.8	22
78	Endogenous brassinosteroids in microalgae exposed to salt and low temperature stress. <i>European Journal of Phycology</i> , 2018, 53, 273-279.	0.9	23
79	Substantial Evidence for Auxin Secretory Vesicles. <i>Plant Physiology</i> , 2018, 176, 2586-2587.	2.3	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.	2.8	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.	2.8	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.	2.8	19
83	Natural plant hormones cytokinins increase stress resistance and longevity of <i>Caenorhabditis elegans</i> . <i>Biogerontology</i> , 2018, 19, 109-120.	2.0	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.	1.2	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.	2.4	8
86	Specialized Plant Metabolism Characteristics and Impact on Target Molecule Biotechnological Production. <i>Molecular Biotechnology</i> , 2018, 60, 169-183.	1.3	59
87	Plant Hormonomics: Multiple Phytohormone Profiling by Targeted Metabolomics. <i>Plant Physiology</i> , 2018, 177, 476-489.	2.3	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.	2.6	21
89	Isoprenoid-derived plant signaling molecules: biosynthesis and biological importance. <i>Planta</i> , 2018, 247, 1051-1066.	1.6	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.	1.2	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.	1.1	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.	1.7	22
93	Crosstalk between Brassinosteroids and Ethylene during Plant Growth and under Abiotic Stress Conditions. International Journal of Molecular Sciences, 2018, 19, 3283.	1.8	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.	1.8	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.	1.7	9
96	New insights into auxin metabolism in Bradyrhizobium japonicum. Research in Microbiology, 2018, 169, 313-323.	1.0	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.	1.2	0
98	Cytokinin Signaling in Mycobacterium tuberculosis. MBio, 2018, 9, .	1.8	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.	2.3	94
100	Preparation, characterization and biological activity of C8-substituted cytokinins. Phytochemistry, 2017, 135, 115-127.	1.4	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.	1.4	14
102	Protocol for Extraction and Isolation of Brassinosteroids from Plant Tissues. Methods in Molecular Biology, 2017, 1564, 1-7.	0.4	2
103	A convenient method for the preparation of 20-[¹⁸ O]-labeled ingenol. Tetrahedron Letters, 2017, 58, 1421-1424.	0.7	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.	2.9	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.	2.0	30
106	Cytokinin response in pepper plants (Capsicum annuum L.) exposed to silver nanoparticles. Environmental Research, 2017, 156, 10-18.	3.7	109
107	Microscale magnetic microparticle-based immunopurification of cytokinins from Arabidopsis root apex. Plant Journal, 2017, 89, 1065-1075.	2.8	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.	0.8	14
110	Chemical proteomic analysis of 6-benzylaminopurine molecular partners in wheat grains. <i>Plant Cell Reports</i> , 2017, 36, 1561-1570.	2.8	5
111	Synthesis of ergostane-type brassinosteroids with modifications in ring A. <i>Beilstein Journal of Organic Chemistry</i> , 2017, 13, 2326-2331.	1.3	5
112	Arabidopsis histidine kinase 4 cytokinin receptor – The object of interest in ligand-receptor study. <i>New Biotechnology</i> , 2016, 33, S165.	2.4	2
113	Synthesis and Cytotoxicity of 28a-homothiolupanes and 28a-homothiolupane Saponins. <i>European Journal of Organic Chemistry</i> , 2016, 2016, 373-383.	1.2	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.	1.6	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.	1.4	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.	3.5	152
117	Developmental Control and Plasticity of Fruit and Seed Dimorphism in <i>Aethionema arabicum</i> . <i>Plant Physiology</i> , 2016, 172, 1691-1707.	2.3	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.	1.9	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.	1.5	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.	2.7	8
121	Novel thidiazuron-derived inhibitors of cytokinin oxidase/dehydrogenase. <i>Plant Molecular Biology</i> , 2016, 92, 235-248.	2.0	43
122	Protein profiling of a white wine produced from grapes damaged by <i>Botrytis cinerea</i> . <i>New Biotechnology</i> , 2016, 33, S180.	2.4	1
123	Synthesis of 28a-homoselenolupanes and 28a-homoselenolupane saponins. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 10238-10248.	1.5	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.	1.6	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.	0.6	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.	2.4	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.	1.6	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.	0.8	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.	2.4	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.	1.4	38
131	Bog bilberry phenolics, antioxidant capacity and nutrient profile. <i>Food Chemistry</i> , 2016, 201, 339-349.	4.2	40
132	Clusterin CSF levels in differential diagnosis of neurodegenerative disorders. <i>Journal of the Neurological Sciences</i> , 2016, 361, 117-121.	0.3	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.	1.1	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.	1.8	43
135	The role of cytokinins in clubroot disease. <i>European Journal of Plant Pathology</i> , 2016, 145, 543-557.	0.8	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.	2.6	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.	1.2	28
138	Synthesis of aromatic cytokinins for plant biotechnology. <i>New Biotechnology</i> , 2016, 33, 614-624.	2.4	28
139	Jasmonate signaling in plant stress responses and development – active and inactive compounds. <i>New Biotechnology</i> , 2016, 33, 604-613.	2.4	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.	2.8	11
141	2,4-D and IAA Amino Acid Conjugates Show Distinct Metabolism in <i>Arabidopsis</i> . <i>PLoS ONE</i> , 2016, 11, e0159269.	1.1	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.	1.1	23
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