

Piotr Kachlicki

List of Publications by Year in descending order

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42
papers

1,671
citations

304743

22
h-index

289244

40
g-index

46
all docs

46
docs citations

46
times ranked

2521
citing authors

#	ARTICLE	IF	CITATIONS
1	Untargeted metabolomics analysis reveals the elicitation of important secondary metabolites upon treatment with various metal and metal oxide nanoparticles in <i>Hypericum perforatum</i> L. cell suspension cultures. <i>Industrial Crops and Products</i> , 2022, 178, 114561.	5.2	15
2	Uncovering the Phytochemical Basis and the Mechanism of Plant Extract-Mediated Eco-Friendly Synthesis of Silver Nanoparticles Using Ultra-Performance Liquid Chromatography Coupled with a Photodiode Array and High-Resolution Mass Spectrometry. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 562-571.	6.7	52
3	Profiling of secondary metabolites and DNA typing of three different <i>Annona</i> cultivars grown in Egypt. <i>Metabolomics</i> , 2022, 18, .	3.0	6
4	Separation of Chromatographic Co-Eluted Compounds by Clustering and by Functional Data Analysis. <i>Metabolites</i> , 2021, 11, 214.	2.9	2
5	Comprehensive metabolomic, lipidomic and pathological profiles of baobab (<i>Adansonia digitata</i>) fruit pulp extracts in diabetic rats. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2021, 201, 114139.	2.8	14
6	Simultaneous determination of naphthodianthrones, emodin, skyrin and new bisanthrones in <i>Hypericum perforatum</i> L. in vitro shoot cultures. <i>Industrial Crops and Products</i> , 2020, 144, 112003.	5.2	6
7	Silver nanoparticles affect phenolic and phytoalexin composition of <i>Arabidopsis thaliana</i> . <i>Science of the Total Environment</i> , 2020, 716, 135361.	8.0	44
8	Phenolic Metabolites from Barley in Contribution to Phenome in soil Moisture Deficit. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6032.	4.1	4
9	The Effect of Different Water Extracts from <i>Platycodon grandiflorum</i> on Selected Factors Associated with Pathogenesis of Chronic Bronchitis in Rats. <i>Molecules</i> , 2020, 25, 5020.	3.8	10
10	Total Versus Inorganic and Organic Species of As, Cr, and Sb in Flavored and Functional Drinking Waters: Analysis and Risk Assessment. <i>Molecules</i> , 2020, 25, 1099.	3.8	7
11	Arsenic species and their transformation pathways in marine plants. Usefulness of advanced hyphenated techniques HPLC/ICP-MS and UPLC/ESI-MS/MS in arsenic species analysis. <i>Talanta</i> , 2020, 220, 121384.	5.5	15
12	Chemical characterization and <i>in vivo</i> antioxidant activity of parsley (<i>Petroselinum</i>) Tj ETQq0 0 0 rgBT /Oyerlock 10 Tf 50 302	4.6	54
13	Analytical Methods for Detection of Plant Metabolomes Changes in Response to Biotic and Abiotic Stresses. <i>International Journal of Molecular Sciences</i> , 2019, 20, 379.	4.1	78
14	Study on Speciation of As, Cr, and Sb in Bottled Flavored Drinking Water Samples Using Advanced Analytical Techniques IEC/SEC-HPLC/ICP-DRC-MS and ESI-MS/MS. <i>Molecules</i> , 2019, 24, 668.	3.8	13
15	Bioaccessibility of defatted lupin seed phenolic compounds in a standardized static in vitro digestion system. <i>Food Research International</i> , 2019, 116, 1126-1134.	6.2	35
16	Chemical Composition and Anticariogenic Activity of <i>Tambja stegosauriformis</i> Nudibranch. <i>Revista Virtual De Quimica</i> , 2019, 11, 1457-1466.	0.4	0
17	Comparison of bioactive compounds content in leaf extracts of <i>Passiflora incarnata</i> , <i>P. caerulea</i> and <i>P. alata</i> and in vitro cytotoxic potential on leukemia cell lines. <i>Revista Brasileira De Farmacognosia</i> , 2018, 28, 179-191.	1.4	51
18	Secondary Metabolites in the Green Synthesis of Metallic Nanoparticles. <i>Materials</i> , 2018, 11, 940.	2.9	312

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19	Effect of <i>Salvia miltiorrhiza</i> root extract on brain acetylcholinesterase and butyrylcholinesterase activities, their mRNA levels and memory evaluation in rats. <i>Physiology and Behavior</i> , 2017, 173, 223-230.	2.1	18
20	Determination of phenolic compounds and diterpenes in roots of <i>Salvia miltiorrhiza</i> and <i>Salvia przewalskii</i> by two LC-MS tools: Multi-stage and high resolution tandem mass spectrometry with assessment of antioxidant capacity. <i>Phytochemistry Letters</i> , 2017, 20, 331-338.	1.2	21
21	Drought-related secondary metabolites of barley (<i>Hordeum vulgare</i> L.) leaves and their metabolomic quantitative trait loci. <i>Plant Journal</i> , 2017, 89, 898-913.	5.7	83
22	Structural Characterization of Flavonoid Glycoconjugates and Their Derivatives with Mass Spectrometric Techniques. <i>Molecules</i> , 2016, 21, 1494.	3.8	115
23	Influence of the <i>Melissa officinalis</i> Leaf Extract on Long-Term Memory in Scopolamine Animal Model with Assessment of Mechanism of Action. <i>Evidence-based Complementary and Alternative Medicine</i> , 2016, 2016, 1-17.	1.2	38
24	Improvement in Long-Term Memory following Chronic Administration of <i>Eryngium planum</i> Root Extract in Scopolamine Model: Behavioral and Molecular Study. <i>Evidence-based Complementary and Alternative Medicine</i> , 2015, 2015, 1-13.	1.2	18
25	Combined mass spectrometric and chromatographic methods for in-depth analysis of phenolic secondary metabolites in barley leaves. <i>Journal of Mass Spectrometry</i> , 2015, 50, 513-532.	1.6	44
26	Metabolic response of narrow leaf lupine (<i>Lupinus angustifolius</i>) plants to elicitation and infection with <i>Colletotrichum lupini</i> under field conditions. <i>Acta Physiologiae Plantarum</i> , 2015, 37, 1.	2.1	8
27	Application of LC/MS systems to structural characterization of flavonoid glycoconjugates. <i>Phytochemistry Letters</i> , 2015, 11, 358-367.	1.2	18
28	Spectroscopic analysis of pindolol irradiated in the solid state. <i>Open Chemistry</i> , 2014, 12, 60-66.	1.9	1
29	Changes of phenolic secondary metabolite profiles in the reaction of narrow leaf lupin (<i>Lupinus</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 <i>Metabolomics</i> , 2013, 9, 575-589.	3.0	36
30	Structural analysis and profiling of phenolic secondary metabolites of Mexican lupine species using LC-MS techniques. <i>Phytochemistry</i> , 2013, 92, 71-86.	2.9	69
31	Diversity of Pea-Associated <i>F. proliferatum</i> and <i>F. verticillioides</i> Populations Revealed by FUM1 Sequence Analysis and Fumonisin Biosynthesis. <i>Toxins</i> , 2013, 5, 488-503.	3.4	47
32	Mass Spectrometry in Agriculture, Food, and Flavors: Selected Applications. , 2012, , 529-558.		0
33	Release of Flavonoids from Lupin Globulin Proteins during Digestion in a Model System. <i>Journal of Agricultural and Food Chemistry</i> , 2012, 60, 1830-1836.	5.2	29
34	Antioxidant activity and phenolic content in three lupin species. <i>Journal of Food Composition and Analysis</i> , 2012, 25, 190-197.	3.9	109
35	Fragmentation pathways of acylated flavonoid diglucuronides from leaves of <i>Medicago truncatula</i> . <i>Phytochemical Analysis</i> , 2010, 21, 224-233.	2.4	41
36	LC-MSMS Profiling of Flavonoid Conjugates in Wild Mexican Lupine, <i>Lupinus reflexus</i> . <i>Journal of Natural Products</i> , 2010, 73, 1254-1260.	3.0	30

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37	Changes in the profile of flavonoid accumulation in <i>Medicago truncatula</i> leaves during infection with fungal pathogen <i>Phoma medicaginis</i> . <i>Plant Physiology and Biochemistry</i> , 2009, 47, 847-853.	5.8	62
38	Differential metabolic response of narrow leafed lupine (<i>Lupinus angustifolius</i>) leaves to infection with <i>Colletotrichum lupini</i> . <i>Metabolomics</i> , 2009, 5, 354-362.	3.0	21
39	Matrix-assisted laser desorption/ionization time-of-flight mass spectrometry monitoring of anthocyanins in extracts from <i>Arabidopsis thaliana</i> leaves. <i>Rapid Communications in Mass Spectrometry</i> , 2008, 22, 3949-3956.	1.5	31
40	Differentiation of isomeric malonylated flavonoid glyconjugates in plant extracts with UPLC-ESI/MS/MS. <i>Phytochemical Analysis</i> , 2008, 19, 444-452.	2.4	45
41	Analysis of oxidised and reduced phytochelatin in pea and lupin plants using HPLC/MSn. <i>International Journal of Environmental Analytical Chemistry</i> , 2008, 88, 979-988.	3.3	4
42	Profiling isoflavone conjugates in root extracts of lupine species with LC/ESI/MSn systems. <i>Journal of Mass Spectrometry</i> , 2005, 40, 1088-1103.	1.6	44