

Peter MarÅ;Ã-k

List of Publications by Year in descending order

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66
papers

2,244
citations

279701

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233338

45
g-index

66
all docs

66
docs citations

66
times ranked

4138
citing authors

#	ARTICLE	IF	CITATIONS
1	Cold stress and acclimation – what is important for metabolic adjustment?. <i>Plant Biology</i> , 2010, 12, 395-405.	1.8	480
2	Nanoparticle-specific changes in <i>Arabidopsis thaliana</i> gene expression after exposure to ZnO, TiO ₂ , and fullerene soot. <i>Journal of Hazardous Materials</i> , 2012, 241-242, 55-62.	6.5	185
3	Regulatory changes in pterin and carotenoid genes underlie balanced color polymorphisms in the wall lizard. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 5633-5642.	3.3	163
4	In vitro anti-inflammatory activity of carvacrol: Inhibitory effect on COX-2 catalyzed prostaglandin E ₂ biosynthesis. <i>Archives of Pharmacal Research</i> , 2009, 32, 75-78.	2.7	123
5	In vitro Inhibitory Effects of Thymol and Quinones of <i>Nigella sativa</i> Seeds on Cyclooxygenase-1- and -2-Catalyzed Prostaglandin E ₂ Biosyntheses. <i>Planta Medica</i> , 2005, 71, 739-742.	0.7	120
6	Non-steroidal anti-inflammatory drugs in the watercourses of Elbe basin in Czech Republic. <i>Chemosphere</i> , 2017, 171, 97-105.	4.2	59
7	Anti-Infectivity against Herpes Simplex Virus and Selected Microbes and Anti-Inflammatory Activities of Compounds Isolated from <i>Eucalyptus globulus</i> Labill.. <i>Viruses</i> , 2018, 10, 360.	1.5	58
8	Phenolic composition, antioxidant and anti-proliferative activities of edible and medicinal plants from the Peruvian Amazon. <i>Revista Brasileira De Farmacognosia</i> , 2016, 26, 728-737.	0.6	47
9	Effect of Heavy Metals on Inhibition of Root Elongation in 23 Cultivars of Flax (<i>Linum usitatissimum</i>) Tj ETQq1 1 0.784314 rgBT /Ove	2.1	44
10	In vitro antioxidant and anti-proliferative activity of Ethiopian medicinal plant extracts. <i>Industrial Crops and Products</i> , 2015, 74, 671-679.	2.5	43
11	Trade-off among different anti-herbivore defence strategies along an altitudinal gradient. <i>AoB PLANTS</i> , 2016, 8, .	1.2	42
12	Young Barley Indicates Antitumor Effects in Experimental Breast Cancer In Vivo and In Vitro. <i>Nutrition and Cancer</i> , 2016, 68, 611-621.	0.9	41
13	The antifungal activity of essential oils in combination with warm air flow against postharvest phytopathogenic fungi in apples. <i>Food Control</i> , 2016, 68, 62-68.	2.8	40
14	Metabolism of ibuprofen in higher plants: A model <i>Arabidopsis thaliana</i> cell suspension culture system. <i>Environmental Pollution</i> , 2017, 220, 383-392.	3.7	37
15	Evaluation of Antimicrobial and Anti-Inflammatory Activities of Seed Extracts from Six <i>Nigella</i> Species. <i>Journal of Medicinal Food</i> , 2009, 12, 408-415.	0.8	36
16	High throughput –omics™ approaches to assess the effects of phytochemicals in human health studies. <i>British Journal of Nutrition</i> , 2008, 99, ES127-ES134.	1.2	32
17	Large differences in the composition of herbivore communities and seed damage in diploid and autotetraploid plant species. <i>Biological Journal of the Linnean Society</i> , 2015, 115, 270-287.	0.7	32
18	Effect of apple extracts and selective polyphenols on the adhesion of potential probiotic strains of <i>Lactobacillus gasseri</i> R and <i>Lactobacillus casei</i> FMP. <i>Journal of Functional Foods</i> , 2017, 35, 391-397.	1.6	32

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19	Production of saponins from <i>Panax ginseng</i> suspension and adventitious root cultures. <i>Biologia Plantarum</i> , 2005, 49, 463-465.	1.9	31
20	Metabolism of Stilbenoids by Human Faecal Microbiota. <i>Molecules</i> , 2019, 24, 1155.	1.7	31
21	Opposing effects of oxidative challenge and carotenoids on antioxidant status and condition-dependent sexual signalling. <i>Scientific Reports</i> , 2016, 6, 23546.	1.6	30
22	Active constituents in <i>Rheum acuminatum</i> and <i>Rheum australe</i> (Polygonaceae) roots: A variation between cultivated and naturally growing plants. <i>Biochemical Systematics and Ecology</i> , 2012, 41, 83-90.	0.6	28
23	Redox and Non-Redox Mechanism of <i>In Vitro</i> Cyclooxygenase Inhibition by Natural Quinones. <i>Planta Medica</i> , 2012, 78, 326-333.	0.7	26
24	Effect of Dietary Stilbenes on 5-Lipoxygenase and Cyclooxygenases Activities <i>In Vitro</i> . <i>International Journal of Food Properties</i> , 2015, 18, 1471-1477.	1.3	25
25	Hydroxylated anthraquinones produced by <i>Geosmithia</i> species. <i>Folia Microbiologica</i> , 2009, 54, 179-187.	1.1	23
26	<i>In Vitro</i> Antifungal Effect of Black Cumin Seed Quinones against Dairy Spoilage Yeasts at Different Acidity Levels. <i>Journal of Food Protection</i> , 2010, 73, 2291-2295.	0.8	23
27	Metabolism of <i>cis</i> - and <i>trans</i> -Resveratrol and Dihydroresveratrol in an Intestinal Epithelial Model. <i>Nutrients</i> , 2020, 12, 595.	1.7	22
28	<i>In vitro</i> antioxidant activity and phenolic composition of Georgian, Central and West European wines. <i>Journal of Food Composition and Analysis</i> , 2015, 41, 113-121.	1.9	21
29	Study of praziquantel phytoremediation and transformation and its removal in constructed wetland. <i>Journal of Hazardous Materials</i> , 2017, 323, 394-399.	6.5	20
30	The health signalling of ornamental traits in the Grey Partridge (<i>Perdix perdix</i>). <i>Journal of Ornithology</i> , 2013, 154, 717-725.	0.5	19
31	Organ-specific hormonal cross-talk in phosphate deficiency. <i>Environmental and Experimental Botany</i> , 2018, 153, 198-208.	2.0	19
32	Body coloration and mechanisms of colour production in Archelosauria: the case of deirocheline turtles. <i>Royal Society Open Science</i> , 2019, 6, 190319.	1.1	19
33	Salicylic Acid Mutant Collection as a Tool to Explore the Role of Salicylic Acid in Regulation of Plant Growth under a Changing Environment. <i>International Journal of Molecular Sciences</i> , 2019, 20, 6365.	1.8	19
34	Screening of medicinal plants traditionally used in Peruvian Amazon for <i>in vitro</i> antioxidant and anticancer potential. <i>Natural Product Research</i> , 2019, 33, 2718-2721.	1.0	18
35	<i>In vitro</i> anti-microbial activity of extracts from the callus cultures of some <i>Nigella</i> species. <i>Biologia (Poland)</i> , 2006, 61, 285-288.	0.8	17
36	Growth of bifidobacteria and clostridia on human and cow milk saccharides. <i>Anaerobe</i> , 2011, 17, 223-225.	1.0	17

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37	Pyrolysis of biosolids as an effective tool to reduce the uptake of pharmaceuticals by plants. <i>Journal of Hazardous Materials</i> , 2021, 405, 124278.	6.5	17
38	Factors affecting the growth of bifidobacteria in human milk. <i>International Dairy Journal</i> , 2011, 21, 504-508.	1.5	15
39	Regulation of tissue differentiation by plant growth regulators on tTCLs of <i>Panax ginseng</i> adventitious roots. <i>Industrial Crops and Products</i> , 2012, 35, 154-159.	2.5	15
40	<i>Myrica rubra</i> leaves as a potential source of a dual 5-LOX/COX inhibitor. <i>Food and Agricultural Immunology</i> , 2017, 28, 343-353.	0.7	15
41	Effect of Selected Stilbenoids on Human Fecal Microbiota. <i>Molecules</i> , 2019, 24, 744.	1.7	15
42	Determination of Oxygen Radical Absorbance Capacity of Black Cumin (<i>Nigella sativa</i>) Seed Quinone Compounds. <i>Natural Product Communications</i> , 2011, 6, 1934578X1100600.	0.2	12
43	Inter-species differences in the growth of bifidobacteria cultured on human milk oligosaccharides. <i>Folia Microbiologica</i> , 2012, 57, 321-324.	1.1	12
44	Stress response of <i>Escherichia coli</i> to essential oil components – insights on low-molecular-weight proteins from MALDI-TOF. <i>Scientific Reports</i> , 2018, 8, 13042.	1.6	11
45	Transferases and transporters mediate the detoxification and capacity to tolerate trinitrotoluene in <i>Arabidopsis</i> . <i>Functional and Integrative Genomics</i> , 2010, 10, 547-559.	1.4	10
46	Optimization of the peroxidase production by tissue cultures of horseradish in vitro. <i>Biologia Plantarum</i> , 2005, 49, 487-492.	1.9	9
47	Inhibition of <i>In Vitro</i> Leukotriene B ₄ Biosynthesis in Human Neutrophil Granulocytes and Docking Studies of Natural Quinones. <i>Natural Product Communications</i> , 2013, 8, 1934578X1300800.	0.2	9
48	In vitro antiinflammatory and antioxidant potential of root extracts from Ranunculaceae species. <i>South African Journal of Botany</i> , 2017, 109, 128-137.	1.2	9
49	Transcriptomic response of <i>Arabidopsis thaliana</i> (L.) Heynh. roots to ibuprofen. <i>International Journal of Phytoremediation</i> , 2017, 19, 695-700.	1.7	7
50	Interplay between phosphoinositides and actin cytoskeleton in the regulation of immunity related responses in <i>Arabidopsis thaliana</i> seedlings. <i>Environmental and Experimental Botany</i> , 2019, 167, 103867.	2.0	7
51	Effect of <i>Artemisia absinthium</i> and <i>Malva sylvestris</i> on Antioxidant Parameters and Abomasal Histopathology in Lambs Experimentally Infected with <i>Haemonchus contortus</i> . <i>Animals</i> , 2021, 11, 462.	1.0	7
52	Transcriptomic response of <i>Arabidopsis thaliana</i> roots to naproxen and praziquantel. <i>Ecotoxicology and Environmental Safety</i> , 2018, 166, 301-310.	2.9	6
53	Flavonoid Glycosides from Endemic Bulgarian <i>Astragalus aitosensis</i> (Ivanisch.). <i>Molecules</i> , 2019, 24, 1419.	1.7	6
54	Antiproliferative and cytotoxic activities of C-Geranylated flavonoids from <i>Paulownia tomentosa</i> Steud. <i>Fruit. Bioorganic Chemistry</i> , 2021, 111, 104797.	2.0	6

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55	In Vitro Antibacterial Effect of the Methanolic Extract of the Korean Soybean Fermented Product Doenjang against <i>Staphylococcus aureus</i> . <i>Animals</i> , 2021, 11, 2319.	1.0	5
56	Fate of antifungal drugs climbazole and fluconazole in constructed wetlands - Diastereoselective transformation indicates process conditions. <i>Chemical Engineering Journal</i> , 2021, 421, 127783.	6.6	5
57	Pharmaceuticals in domestic and agricultural waste waters – problem and its solution. <i>Water Practice and Technology</i> , 2015, 10, 564-572.	1.0	4
58	MALDI-TOF MS as a method for rapid identification of <i>Phytophthora</i> de Bary, 1876. <i>PeerJ</i> , 2021, 9, e11662.	0.9	4
59	Polyketide Derivatives in the Resistance of <i>Gerbera hybrida</i> to Powdery Mildew. <i>Frontiers in Plant Science</i> , 2021, 12, 790907.	1.7	4
60	Micropropagation of common ash clones resistant to fungus <i>Hymenoscyphus fraxineus</i> . <i>Acta Horticulturae</i> , 2017, , 93-100.	0.1	3
61	BIOTECHNOLOGY METHODS FOR PLANT BIOMASS PRODUCTION UNDER CONTROLLED CONDITIONS. <i>Acta Horticulturae</i> , 2006, , 263-268.	0.1	2
62	Data on low-molecular weight proteins of <i>Escherichia coli</i> treated by essential oils components, tetracycline, chlorine and peroxide by MALDI-TOF MS. <i>Data in Brief</i> , 2018, 21, 962-965.	0.5	2
63	Metabolism of Selected 2-Arylbenzofurans in a Colon In Vitro Model System. <i>Foods</i> , 2021, 10, 2754.	1.9	2
64	C-geranylated flavonoids from <i>Paulownia tomentosa</i> Steud. fruit as potential anti-inflammatory agents. <i>Journal of Ethnopharmacology</i> , 2022, 296, 115509.	2.0	2
65	ALTERNATIVE PRODUCTION OF SAPONINS FROM PANAX GINSENG. <i>Acta Horticulturae</i> , 2005, , 45-50.	0.1	1
66	Field Study VI: The Effect of Loading Strategies on Removal Efficiencies of a Hybrid Constructed Wetland Treating Mixed Domestic and Agro-Industrial Wastewaters. <i>Applied Environmental Science and Engineering for A Sustainable Future</i> , 2020, , 395-409.	0.2	0