

Vuk M MaksimoviÄ

List of Publications by Year in descending order

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58
papers

1,839
citations

304368

22
h-index

276539

41
g-index

59
all docs

59
docs citations

59
times ranked

2697
citing authors

#	ARTICLE	IF	CITATIONS
1	Silicon alleviates iron deficiency in cucumber by promoting mobilization of iron in the root apoplast. <i>New Phytologist</i> , 2013, 198, 1096-1107.	3.5	185
2	Silicon ameliorates manganese toxicity in cucumber by decreasing hydroxyl radical accumulation in the leaf apoplast. <i>Journal of Experimental Botany</i> , 2012, 63, 2411-2420.	2.4	140
3	Bacterial cellulose-lignin composite hydrogel as a promising agent in chronic wound healing. <i>International Journal of Biological Macromolecules</i> , 2018, 118, 494-503.	3.6	115
4	Silicon modulates the metabolism and utilization of phenolic compounds in cucumber (<i>Cucumis</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 6	1.1	111
5	Antioxidant activity of small grain cereals caused by phenolics and lipid soluble antioxidants. <i>Journal of Cereal Science</i> , 2011, 54, 417-424.	1.8	111
6	Contrasting effect of silicon on iron, zinc and manganese status and accumulation of metal-mobilizing compounds in micronutrient-deficient cucumber. <i>Plant Physiology and Biochemistry</i> , 2014, 74, 205-211.	2.8	96
7	Can the sprouting process applied to wheat improve the contents of vitamins and phenolic compounds and antioxidant capacity of the flour?. <i>International Journal of Food Science and Technology</i> , 2014, 49, 1040-1047.	1.3	86
8	Generation of Hydroxyl Radical in Isolated Pea Root Cell Wall, and the Role of Cell Wall-Bound Peroxidase, Mn-SOD and Phenolics in Their Production. <i>Plant and Cell Physiology</i> , 2009, 50, 304-317.	1.5	81
9	Rutin, a flavonoid with antioxidant activity, improves plant salinity tolerance by regulating K ⁺ retention and Na ⁺ exclusion from leaf mesophyll in quinoa and broad beans. <i>Functional Plant Biology</i> , 2016, 43, 75.	1.1	76
10	Anticancer Properties of <i>Ganoderma Lucidum</i> Methanol Extracts In Vitro and In Vivo. <i>Nutrition and Cancer</i> , 2009, 61, 696-707.	0.9	67
11	The effects of plant growth regulators on growth, yield, and phenolic profile of lentil plants. <i>Journal of Food Composition and Analysis</i> , 2012, 28, 46-53.	1.9	65
12	Antioxidant activity, phenolic profile, chlorophyll and mineral matter content of corn silk (<i>Zea mays</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 6	1.8	58
13	Chemical composition, bioactive compounds, antioxidant capacity and stability of floral maize (<i>Zea</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 6	1.6	53
14	Nepetalactone content in shoot cultures of three endemic <i>Nepeta</i> species and the evaluation of their antimicrobial activity. <i>FÄ-toterapÄ-t</i> , 2010, 81, 621-626.	1.1	44
15	Polyphenols and antioxidant activities of Kombucha beverage enriched with Coffeeberry® extract. <i>Chemical Industry and Chemical Engineering Quarterly</i> , 2015, 21, 399-409.	0.4	35
16	Effects of 5-Fluorouracil on Erythrocytes in Relation to Its Cardiotoxicity: Membrane Structure and Functioning. <i>Journal of Chemical Information and Modeling</i> , 2005, 45, 1680-1685.	2.5	34
17	Revealing mechanisms of salinity tissue tolerance in succulent halophytes: <sc>A</sc> case study for <sc><i>Carpobrotus rossi</i></sc>. <i>Plant, Cell and Environment</i> , 2018, 41, 2654-2667.	2.8	33
18	Peroxidase activity and phenolic compounds content in maize root and leaf apoplast, and their association with growth. <i>Plant Science</i> , 2008, 175, 656-662.	1.7	32

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19	Possible health impacts of naturally occurring uptake of aristolochic acids by maize and cucumber roots: links to the etiology of endemic (Balkan) nephropathy. <i>Environmental Geochemistry and Health</i> , 2013, 35, 215-226.	1.8	32
20	Classification and fingerprinting of different berries based on biochemical profiling and antioxidant capacity. <i>Pesquisa Agropecuaria Brasileira</i> , 2013, 48, 1285-1294.	0.9	31
21	Profiling antioxidant activity of two primocane fruiting red raspberry cultivars (Autumn bliss and) Tj ETQq1 1 0.784314 rgBT /Overlock	1.9	29
22	The Molecular Mechanisms of Apoptosis Induced by <i>Andrographolide</i> and Synergistic Effects with New-Synthesized Pd(II) Complex on Colon Cancer Cells. <i>Journal of Food Biochemistry</i> , 2015, 39, 238-250.	1.2	24
23	Composition of Anthocyanins in Colored Grains and the Relationship of Their Non-Acylated and Acylated Derivatives. <i>Polish Journal of Food and Nutrition Sciences</i> , 2019, 69, 137-146.	0.6	23
24	Liming of anthropogenically acidified soil promotes phosphorus acquisition in the rhizosphere of wheat. <i>Biology and Fertility of Soils</i> , 2015, 51, 289-298.	2.3	20
25	Sugars and acid invertase mediate the physiological response of <i>Schenkia spicata</i> root cultures to salt stress. <i>Journal of Plant Physiology</i> , 2012, 169, 1281-1289.	1.6	19
26	Interaction of Carbohydrate Coated Cerium-Oxide Nanoparticles with Wheat and Pea: Stress Induction Potential and Effect on Development. <i>Plants</i> , 2019, 8, 478.	1.6	18
27	Phenolic Profiling of 12 Strawberry Cultivars Using Different Spectroscopic Methods. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 4346-4354.	2.4	18
28	Monosaccharide-H ₂ O ₂ reactions as a source of glycolate and their stimulation by hydroxyl radicals. <i>Carbohydrate Research</i> , 2006, 341, 2360-2369.	1.1	17
29	Contribution of inorganic cations and organic compounds to osmotic adjustment in root cultures of two <i>Centaurium</i> species differing in tolerance to salt stress. <i>Plant Cell, Tissue and Organ Culture</i> , 2012, 108, 389-400.	1.2	17
30	Potential of <i>Teucrium chamaedrys</i> L. to modulate apoptosis and biotransformation in colorectal carcinoma cells. <i>Journal of Ethnopharmacology</i> , 2019, 240, 111951.	2.0	17
31	Use of <i>Chenopodium murale</i> L. transgenic hairy root in vitro culture system as a new tool for allelopathic assays. <i>Journal of Plant Physiology</i> , 2012, 169, 1203-1211.	1.6	16
32	Filter strip as a method of choice for apoplastic fluid extraction from maize roots. <i>Plant Science</i> , 2014, 223, 49-58.	1.7	16
33	Antioxidant and antimicrobial activity of two <i>Asplenium</i> species. <i>South African Journal of Botany</i> , 2020, 132, 180-187.	1.2	13
34	A Comparative Assessment of the Potential of Polysaccharide Production and Intracellular Sugar Composition within <i>Lingzhi</i> or <i>Reishi</i> Medicinal Mushroom, <i>Ganoderma lucidum</i> (W.Curt.:Fr.)P. Karst. (Aphyllophoromycetidae). <i>International Journal of Medicinal Mushrooms</i> , 2011, 13, 153-158.	0.9	11
35	Vanadate Influence on Metabolism of Sugar Phosphates in Fungus <i>Phycomyces blakesleeana</i> . <i>PLoS ONE</i> , 2014, 9, e102849.	1.1	10
36	Soluble free phenolic compound contents and antioxidant capacity of bread and durum wheat genotypes. <i>Genetika</i> , 2013, 45, 87-100.	0.1	9

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37	Variations in polyamine conjugates in maize (<i>Zea mays</i> L.) seeds contaminated with aflatoxin B1: a dose-response relationship. <i>Journal of the Science of Food and Agriculture</i> , 2020, 100, 2905-2910.	1.7	8
38	The Effects of Iron Deficiency on Lead Accumulation in <i>Ailanthus altissima</i> (Mill.) Swingle Seedlings. <i>Journal of Environmental Quality</i> , 2012, 41, 1517-1524.	1.0	6
39	Influence of carbohydrate source on <i>Nepeta rtanjensis</i> growth, morphogenesis, and nepetalactone production in vitro. <i>Israel Journal of Plant Sciences</i> , 2005, 53, 103-108.	0.3	5
40	Nonenzymatic Reaction of Dihydroxyacetone with Hydrogen Peroxide Enhanced via a Fenton Reaction. <i>Annals of the New York Academy of Sciences</i> , 2005, 1048, 461-465.	1.8	5
41	Biological activities of phenolic compounds and ethanolic extract of <i>Halacsya sendtneri</i> (Boiss) DÄrfler. <i>Open Life Sciences</i> , 2012, 7, 327-333.	0.6	5
42	Analysis of static bending-induced compression wood formation in juvenile <i>Picea omorika</i> (PanÄÄ) PurkynÄ. <i>Trees - Structure and Function</i> , 2015, 29, 1533-1543.	0.9	5
43	Cell wall response to UV radiation in needles of <i>Picea omorika</i> . <i>Plant Physiology and Biochemistry</i> , 2021, 161, 176-190.	2.8	5
44	Influence of silicon on polymerization process during lignin synthesis. Implications for cell wall properties. <i>International Journal of Biological Macromolecules</i> , 2022, 198, 168-174.	3.6	5
45	Parenchyma cell wall structure in twining stem of <i>Dioscorea balcanica</i> . <i>Cellulose</i> , 2017, 24, 4653-4669.	2.4	4
46	Characterization of Enzymatically Synthesized Diferulate. <i>Annals of the New York Academy of Sciences</i> , 2005, 1048, 466-470.	1.8	3
47	Relations of cell wall bound peroxidases, phenols and lignin in needles of Serbian spruce <i>Picea omorika</i> (PanÄÄ) PurkynÄ in the natural habitat. <i>Biochemical Systematics and Ecology</i> , 2015, 59, 271-277.	0.6	3
48	Nepetalactone-rich essential oil mitigates phosphinothricin-induced ammonium toxicity in <i>Arabidopsis thaliana</i> (L.) Heynh.. <i>Journal of Plant Physiology</i> , 2019, 237, 87-94.	1.6	3
49	Transcriptome Profiling of the Potato Exposed to French Marigold Essential Oil with a Special Emphasis on Leaf Starch Metabolism and Defense against Colorado Potato Beetle. <i>Plants</i> , 2021, 10, 172.	1.6	3
50	Spatial distribution of apoplastic antioxidative constituents in maize root. <i>Physiologia Plantarum</i> , 2021, 173, 818-828.	2.6	3
51	Sugar and organic acids profile in the fruits of black and red currant cultivars. <i>Journal of Agricultural Sciences (Belgrade)</i> , 2009, 54, 105-117.	0.1	3
52	Root malate efflux and expression of <i>taamt1</i> in serbian winter wheat cultivars differing in Al tolerance. <i>Journal of Soil Science and Plant Nutrition</i> , 2018, , 0-0.	1.7	2
53	Biochemical and histological characterization of succulent plant <i>Tacitus bellus</i> response to <i>Fusarium verticillioides</i> infection in vitro. <i>Journal of Plant Physiology</i> , 2020, 244, 153086.	1.6	2
54	Silicon facilitates manganese phytoextraction by cucumber (<i>Cucumis sativus</i> L.). <i>Materials Protection</i> , 2016, 57, 424-429.	0.1	2

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55	Antagonistic Interaction between Phosphinothricin and Nepeta rtanjensis Essential Oil Affected Ammonium Metabolism and Antioxidant Defense of Arabidopsis Grown In Vitro. <i>Plants</i> , 2021, 10, 142.	1.6	1
56	Characterization of amyloglucosidase immobilized on the copolymer of ethylene glycol dimethacrylate and glycidyl methacrylate in simulated industrial conditions. <i>Hemijaska Industrija</i> , 2004, 58, 493-498.	0.3	1
57	Variation in health promoting compounds of blueberry fruit associated with different nutrient management practices in a soilless growing system. <i>Journal of Agricultural Sciences (Belgrade)</i> , 2020, 65, 175-185.	0.1	1
58	Determination of antioxidative and enzymatic activity in green and red lettuce cultivars affected by microbiological fertilisers and seasons. <i>Emirates Journal of Food and Agriculture</i> , 0, , 101.	1.0	0