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List of Publications by Year in descending order

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47
papers

1,211
citations

331670

21
h-index

395702

33
g-index

47
all docs

47
docs citations

47
times ranked

1439
citing authors

#	ARTICLE	IF	CITATIONS
1	Impact of nanoparticles and their ionic counterparts derived from heavy metals on the physiology of food crops. <i>Plant Physiology and Biochemistry</i> , 2022, 172, 14-23.	5.8	16
2	Differential physiological and metabolic responses in young and fully expanded leaves of <i>Aristotelia chilensis</i> plants subjected to drought stress. <i>Environmental and Experimental Botany</i> , 2022, 196, 104814.	4.2	4
3	Salicylic Acid Improves Antioxidant Defense System and Photosynthetic Performance in <i>Aristotelia chilensis</i> Plants Subjected to Moderate Drought Stress. <i>Plants</i> , 2022, 11, 639.	3.5	15
4	Salt Stress in Plants and Mitigation Approaches. <i>Plants</i> , 2022, 11, 717.	3.5	58
5	Differential mechanisms between traditionally established and new highbush blueberry (<i>Vaccinium</i>) Tj ETQq1 1 0.784314 rgBT /Overlock and <i>Biochemistry</i> , 2021, 158, 454-465.	5.8	7
6	Isolation and molecular characterization of MYB60 in <i>Solanum lycopersicum</i> . <i>Molecular Biology Reports</i> , 2021, 48, 1579-1587.	2.3	5
7	Metabolomic analyses of highbush blueberry (<i>Vaccinium corymbosum</i> L.) cultivars revealed mechanisms of resistance to aluminum toxicity. <i>Environmental and Experimental Botany</i> , 2021, 183, 104338.	4.2	10
8	Titanium Dioxide Nanoparticles Increase Tissue Ti Concentration and Activate Antioxidants in <i>Solanum lycopersicum</i> L.. <i>Journal of Soil Science and Plant Nutrition</i> , 2021, 21, 1881-1889.	3.4	5
9	Cluster roots of <i>Embothrium coccineum</i> modify their metabolism and show differential gene expression in response to phosphorus supply. <i>Plant Physiology and Biochemistry</i> , 2021, 161, 191-199.	5.8	4
10	The effect of silicon supply on photosynthesis and carbohydrate metabolism in two wheat (<i>Triticum</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 <i>Biochemistry</i> , 2021, 169, 236-248.	5.8	10
11	Impact of Potassium Pre-Harvest Applications on Fruit Quality and Condition of Sweet Cherry (<i>Prunus</i>) Tj ETQq1 1 0.784314 rgBT /Overlock and <i>Biochemistry</i> , 2021, 169, 236-248.	3.5	11
12	Pre-Harvest MeJA Application Counteracts the Deleterious Impact of Al and Mn Toxicity in Highbush Blueberry Grown in Acid Soils. <i>Plants</i> , 2021, 10, 2730.	3.5	6
13	Solar UV irradiation effects on photosynthetic performance, biochemical markers, and gene expression in highbush blueberry (<i>Vaccinium corymbosum</i> L.) cultivars. <i>Scientia Horticulturae</i> , 2020, 259, 108816.	3.6	19
14	Mn Toxicity Differentially Affects Physiological and Biochemical Features in Highbush Blueberry (<i>Vaccinium corymbosum</i> L.) Cultivars. <i>Journal of Soil Science and Plant Nutrition</i> , 2020, 20, 795-805.	3.4	22
15	Anthocyanin-Rich Extracts of Calafate (<i>Berberis microphylla</i> G. Forst.) Fruits Decrease In Vitro Viability and Migration of Human Gastric and Gallbladder Cancer Cell Lines. <i>Journal of Soil Science and Plant Nutrition</i> , 2020, 20, 1891-1903.	3.4	10
16	The Anti-Proliferative and Anti-Invasive Effect of Leaf Extracts of Blueberry Plants Treated with Methyl Jasmonate on Human Gastric Cancer In Vitro Is Related to Their Antioxidant Properties. <i>Antioxidants</i> , 2020, 9, 45.	5.1	27
17	Metabolic responses of <i>Vaccinium corymbosum</i> L. cultivars to Al ³⁺ toxicity and gypsum amendment. <i>Environmental and Experimental Botany</i> , 2020, 176, 104119.	4.2	3
18	Aluminum stress differentially affects physiological performance and metabolic compounds in cultivars of highbush blueberry. <i>Scientific Reports</i> , 2019, 9, 11275.	3.3	27

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19	Manganese toxicity amelioration by phosphorus supply in contrasting Mn resistant genotypes of ryegrass. <i>Plant Physiology and Biochemistry</i> , 2019, 144, 144-156.	5.8	10
20	Gypsum application ameliorates morphological and photochemical damages provoked by Al toxicity in <i>Vaccinium corymbosum</i> L. cultivars. <i>Journal of Berry Research</i> , 2019, 9, 665-685.	1.4	4
21	New aluminum hyperaccumulator species of the Proteaceae family from southern South America. <i>Plant and Soil</i> , 2019, 444, 475-487.	3.7	17
22	Exploring VIS/NIR reflectance indices for the estimation of water status in highbush blueberry plants grown under full and deficit irrigation. <i>Scientia Horticulturae</i> , 2019, 256, 108557.	3.6	10
23	Protective Effect of Methyl Jasmonate on Photosynthetic Performance and Its Association with Antioxidants in Contrasting Aluminum-Resistant Blueberry Cultivars Exposed to Aluminum. <i>Journal of Soil Science and Plant Nutrition</i> , 2019, 19, 203-216.	3.4	12
24	Abscisic acid is involved in phenolic compounds biosynthesis, mainly anthocyanins, in leaves of <i>Aristotelia chilensis</i> plants (Mol.) subjected to drought stress. <i>Physiologia Plantarum</i> , 2019, 165, 855-866.	5.2	45
25	Compatible solutes and metabolites accumulation does not explain partial desiccation tolerance in <i>Hymenoglossum cruentum</i> and <i>Hymenophyllum dentatum</i> (Hymenophyllaceae) two filmy ferns with contrasting vertical distribution. <i>Environmental and Experimental Botany</i> , 2018, 150, 272-279.	4.2	11
26	Age-related mechanism and its relationship with secondary metabolism and abscisic acid in <i>Aristotelia chilensis</i> plants subjected to drought stress. <i>Plant Physiology and Biochemistry</i> , 2018, 124, 136-145.	5.8	45
27	Molecular regulation of aluminum resistance and sulfur nutrition during root growth. <i>Planta</i> , 2018, 247, 27-39.	3.2	11
28	Metabolic diversity in tuber tissues of native Chilo potato and commercial cultivars of <i>Solanum tuberosum</i> ssp. <i>tuberosum</i> L.. <i>Metabolomics</i> , 2018, 14, 138.	3.0	7
29	Stomata regulation by tissue-specific expression of the <i>Citrus sinensis</i> MYB61 transcription factor improves water-use efficiency in <i>Arabidopsis</i> . <i>Plant Physiology and Biochemistry</i> , 2018, 130, 54-60.	5.8	15
30	Metallic nanoparticles influence the structure and function of the photosynthetic apparatus in plants. <i>Plant Physiology and Biochemistry</i> , 2018, 130, 408-417.	5.8	82
31	Physiological and biochemical responses to manganese toxicity in ryegrass (<i>Lolium perenne</i> L.) genotypes. <i>Plant Physiology and Biochemistry</i> , 2017, 113, 89-97.	5.8	25
32	Evaluating the involvement and interaction of abscisic acid and miRNA156 in the induction of anthocyanin biosynthesis in drought-stressed plants. <i>Planta</i> , 2017, 246, 299-312.	3.2	50
33	Distinct physiological and metabolic reprogramming by highbush blueberry (<i>Vaccinium</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T. <i>Physiologia Plantarum</i> , 2017, 160, 46-64.	5.2	18
34	Different levels of UV-B resistance in <i>Vaccinium corymbosum</i> cultivars reveal distinct backgrounds of phenylpropanoid metabolites. <i>Plant Physiology and Biochemistry</i> , 2017, 118, 541-550.	5.8	28
35	Physiological traits and Mn transporter genes expression in ryegrass genotypes under increasing Mn at short-term. <i>Plant Physiology and Biochemistry</i> , 2017, 118, 218-227.	5.8	12
36	Low doses of exogenous methyl jasmonate applied simultaneously with toxic aluminum improve the antioxidant performance of <i>Vaccinium corymbosum</i> . <i>Plant and Soil</i> , 2017, 412, 81-96.	3.7	29

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37	Methyl Jasmonate: An Alternative for Improving the Quality and Health Properties of Fresh Fruits. <i>Molecules</i> , 2016, 21, 567.	3.8	99
38	Short-term UV-B radiation affects photosynthetic performance and antioxidant gene expression in highbush blueberry leaves. <i>Plant Physiology and Biochemistry</i> , 2016, 107, 301-309.	5.8	37
39	Manganese toxicity and UV-B radiation differentially influence the physiology and biochemistry of highbush blueberry (<i>Vaccinium corymbosum</i>) cultivars. <i>Functional Plant Biology</i> , 2014, 41, 156.	2.1	27
40	Effects of UV-B radiation on anatomical characteristics, phenolic compounds and gene expression of the phenylpropanoid pathway in highbush blueberry leaves. <i>Plant Physiology and Biochemistry</i> , 2014, 85, 85-95.	5.8	59
41	Photosynthetic impairment caused by manganese toxicity and associated antioxidative responses in perennial ryegrass. <i>Crop and Pasture Science</i> , 2013, 64, 696.	1.5	24
42	The antioxidant properties of calafate (<i>Berberis microphylla</i>) fruits from four different locations in southern Chile. <i>Ciencia E Investigacion Agraria</i> , 2013, 40, 161-170.	0.2	32
43	Molecular and physiological strategies to increase aluminum resistance in plants. <i>Molecular Biology Reports</i> , 2012, 39, 2069-2079.	2.3	87
44	Biochemical and molecular changes in response to aluminium-stress in highbush blueberry (<i>Vaccinium</i>)	3.8	48
45	Identification of Aluminum-Regulated Genes by cDNA-AFLP Analysis of Roots in Two Contrasting Genotypes of Highbush Blueberry (<i>Vaccinium corymbosum</i> L.). <i>Molecular Biotechnology</i> , 2011, 49, 32-41.	2.4	22
46	Long-term Aluminum Exposure Effects on Physiological and Biochemical Features of Highbush Blueberry Cultivars. <i>Journal of the American Society for Horticultural Science</i> , 2010, 135, 212-222.	1.0	44
47	Short-term Aluminum Stress Differentially Affects the Photochemical Efficiency of Photosystem II in Highbush Blueberry Genotypes. <i>Journal of the American Society for Horticultural Science</i> , 2009, 134, 14-21.	1.0	42