Marjorie M Reyes-DÃ-az

List of Publications by Year
in descending order

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	Methyl Jasmonate: An Alternative for Improving the Quality and Health Properties of Fresh Fruits. Molecules, 2016, 21, 567.	3.8	99
2	Molecular and physiological strategies to increase aluminum resistance in plants. Molecular Biology Reports, 2012, 39, 2069-2079.	2.3	87
3	Metallic nanoparticles influence the structure and function of the photosynthetic apparatus in plants. Plant Physiology and Biochemistry, 2018, 130, 408-417.	5.8	82
4	Effects of UV-B radiation on anatomical characteristics, phenolic compounds and gene expression of the phenylpropanoid pathway in highbush blueberry leaves. Plant Physiology and Biochemistry, 2014, 85, 85-95.	5.8	59
5	Salt Stress in Plants and Mitigation Approaches. Plants, 2022, 11, 717.	3.5	58
6	Evaluating the involvement and interaction of abscisic acid and miRNA156 in the induction of anthocyanin biosynthesis in drought-stressed plants. Planta, 2017, 246, 299-312.	3.2	50
7	Biochemical and molecular changes in response to aluminium-stress in highbush blueberry (Vaccinium) Tj ETQq1 1 0.784314 rgBT /Ov	5.8	48
8	Age-related mechanism and its relationship with secondary metabolism and abscisic acid in Aristotelia chilensis plants subjected to drought stress. Plant Physiology and Biochemistry, 2018, 124, 136-145.	5.8	45
9	Abscisic acid is involved in phenolic compounds biosynthesis, mainly anthocyanins, in leaves of Aristotelia chilensis plants (Mol.) subjected to drought stress. Physiologia Plantarum, 2019, 165, 855-866.	5.2	45
10	Long-term Aluminum Exposure Effects on Physiological and Biochemical Features of Highbush Blueberry Cultivars. Journal of the American Society for Horticultural Science, 2010, 135, 212-222.	1.0	44
11	Short-term Aluminum Stress Differentially Affects the Photochemical Efficiency of Photosystem II in Highbush Blueberry Genotypes. Journal of the American Society for Horticultural Science, 2009, 134, 14-21.	1.0	42
12	Short-term UV-B radiation affects photosynthetic performance and antioxidant gene expression in highbush blueberry leaves. Plant Physiology and Biochemistry, 2016, 107, 301-309.	5.8	37
13	The antioxidant properties of calafate (Berberis microphylla) fruits from four different locations in southern Chile. Ciencia E Investigacion Agraria, 2013, 40, 161-170.	0.2	32
14	Low doses of exogenous methyl jasmonate applied simultaneously with toxic aluminum improve the antioxidant performance of Vaccinium corymbosum. Plant and Soil, 2017, 412, 81-96.	3.7	29
15	Different levels of UV-B resistance in Vaccinium corymbosum cultivars reveal distinct backgrounds of phenylpropanoid metabolites. Plant Physiology and Biochemistry, 2017, 118, 541-550.	5.8	28
16	Manganese toxicity and UV-B radiation differentially influence the physiology and biochemistry of highbush blueberry (Vaccinium corymbosum) cultivars. Functional Plant Biology, 2014, 41, 156.	2.1	27
17	Aluminum stress differentially affects physiological performance and metabolic compounds in cultivars of highbush blueberry. Scientific Reports, 2019, 9, 11275.	3.3	27
18	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. Antioxidants, 2020, 9, 45.	5.1	27

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19	Physiological and biochemical responses to manganese toxicity in ryegrass (Lolium perenne L.) genotypes. Plant Physiology and Biochemistry, 2017, 113, 89-97.	5.8	25
20	Photosynthetic impairment caused by manganese toxicity and associated antioxidative responses in perennial ryegrass. Crop and Pasture Science, 2013, 64, 696.	1.5	24
21	Identification of Aluminum-Regulated Genes by cDNA-AFLP Analysis of Roots in Two Contrasting Genotypes of Highbush Blueberry (Vaccinium corymbosum L.). Molecular Biotechnology, 2011, 49, 32-41.	2.4	22
22	Mn Toxicity Differentially Affects Physiological and Biochemical Features in Highbush Blueberry (Vaccinium corymbosum L.) Cultivars. Journal of Soil Science and Plant Nutrition, 2020, 20, 795-805.	3.4	22
23	Solar UV irradiation effects on photosynthetic performance, biochemical markers, and gene expression in highbush blueberry (Vaccinium corymbosum L.) cultivars. Scientia Horticulturae, 2020, 259, 108816.	3.6	19
24	Distinct physiological and metabolic reprogramming by highbush blueberry (<i>Vaccinium) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 547 Td Plantarum, 2017, 160, 46-64.	5.2	18
25	New aluminum hyperaccumulator species of the Proteaceae family from southern South America. Plant and Soil, 2019, 444, 475-487.	3.7	17
26	Impact of nanoparticles and their ionic counterparts derived from heavy metals on the physiology of food crops. Plant Physiology and Biochemistry, 2022, 172, 14-23.	5.8	16
27	Stomata regulation by tissue-specific expression of the Citrus sinensis MYB61 transcription factor improves water-use efficiency in Arabidopsis. Plant Physiology and Biochemistry, 2018, 130, 54-60.	5.8	15
28	Salicylic Acid Improves Antioxidant Defense System and Photosynthetic Performance in Aristotelia chilensis Plants Subjected to Moderate Drought Stress. Plants, 2022, 11, 639.	3.5	15
29	Physiological traits and Mn transporter genes expression in ryegrass genotypes under increasing Mn at short-term. Plant Physiology and Biochemistry, 2017, 118, 218-227.	5.8	12
30	Protective Effect of Methyl Jasmonate on Photosynthetic Performance and Its Association with Antioxidants in Contrasting Aluminum-Resistant Blueberry Cultivars Exposed to Aluminum. Journal of Soil Science and Plant Nutrition, 2019, 19, 203-216.	3.4	12
31	Compatible solutes and metabolites accumulation does not explain partial desiccation tolerance in Hymenoglossum cruentum and Hymenophyllum dentatum (Hymenophyllaceae) two filmy ferns with contrasting vertical distribution. Environmental and Experimental Botany, 2018, 150, 272-279.	4.2	11
32	Molecular regulation of aluminum resistance and sulfur nutrition during root growth. Planta, 2018, 247, 27-39.	3.2	11
33	Impact of Potassium Pre-Harvest Applications on Fruit Quality and Condition of Sweet Cherry (Prunus) Tj ETQq1 1 0.784314 rgBT /Ov	3.5	11
34	Manganese toxicity amelioration by phosphorus supply in contrasting Mn resistant genotypes of ryegrass. Plant Physiology and Biochemistry, 2019, 144, 144-156.	5.8	10
35	Exploring VIS/NIR reflectance indices for the estimation of water status in highbush blueberry plants grown under full and deficit irrigation. Scientia Horticulturae, 2019, 256, 108557.	3.6	10
36	Anthocyanin-Rich Extracts of Calafate (Berberis microphylla G. Forst.) Fruits Decrease In Vitro Viability and Migration of Human Gastric and Gallbladder Cancer Cell Lines. Journal of Soil Science and Plant Nutrition, 2020, 20, 1891-1903.	3.4	10

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37	Metabolomic analyses of highbush blueberry (Vaccinium corymbosum L.) cultivars revealed mechanisms of resistance to aluminum toxicity. Environmental and Experimental Botany, 2021, 183, 104338.	4.2	10
38	The effect of silicon supply on photosynthesis and carbohydrate metabolism in two wheat (Triticum) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 Biochemistry, 2021, 169, 236-248.	5.8	10
39	Metabolic diversity in tuber tissues of native ChiloÃ© potatoes and commercial cultivars of Solanum tuberosum ssp. tuberosum L.. Metabolomics, 2018, 14, 138.	3.0	7
40	Differential mechanisms between traditionally established and new highbush blueberry (Vaccinium) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 and Biochemistry, 2021, 158, 454-465.	5.8	7
41	Pre-Harvest MeJA Application Counteracts the Deleterious Impact of Al and Mn Toxicity in Highbush Blueberry Grown in Acid Soils. Plants, 2021, 10, 2730.	3.5	6
42	Isolation and molecular characterization of MYB60 in Solanum lycopersicum. Molecular Biology Reports, 2021, 48, 1579-1587.	2.3	5
43	Titanium Dioxide Nanoparticles Increase Tissue Ti Concentration and Activate Antioxidants in Solanum lycopersicum L.. Journal of Soil Science and Plant Nutrition, 2021, 21, 1881-1889.	3.4	5
44	Gypsum application ameliorates morphological and photochemical damages provoked by Al toxicity in Vaccinium corymbosum L. cultivars. Journal of Berry Research, 2019, 9, 665-685.	1.4	4
45	Cluster roots of Embothrium coccineum modify their metabolism and show differential gene expression in response to phosphorus supply. Plant Physiology and Biochemistry, 2021, 161, 191-199.	5.8	4
46	Differential physiological and metabolic responses in young and fully expanded leaves of Aristotelia chilensis plants subjected to drought stress. Environmental and Experimental Botany, 2022, 196, 104814.	4.2	4
47	Metabolic responses of Vaccinium corymbosum L. cultivars to Al3+ toxicity and gypsum amendment. Environmental and Experimental Botany, 2020, 176, 104119.	4.2	3