MarÃ-a Pilar LÃ³pez Gresa

List of Publications by Year
in descending order

60 papers	2,614 citations	159585 30 h-index	197818 49 g-index
62 all docs	62 docs citations	62 times ranked	3783 citing authors

#	Article	IF	Citations
1	Volatile Compounds in Citrus Essential Oils: A Comprehensive Review. Frontiers in Plant Science, 2019, 10, 12.	3.6	216
2	Arabidopsism⁶A demethylase activity modulates viral infection of a plant virus and the m⁶A abundance in its genomic RNAs. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 10755-10760.	7.1	214
3	Interactions of metal ions with two quinolone antimicrobial agents (cinoxacin and ciprofloxacin). Journal of Inorganic Biochemistry, 2002, 92, 65-74.	3.5	152
4	The characterization of transgenic tomato overexpressing gibberellin 20-oxidase reveals induction of parthenocarpic fruit growth, higher yield, and alteration of the gibberellin biosynthetic pathway. Journal of Experimental Botany, 2012, 63, 5803-5813.	4.8	124
5	Metabolic response of tomato leaves upon different plantâ€“pathogen interactions. Phytochemical Analysis, 2010, 21, 89-94.	2.4	108
6	Salicylic acid and gentisic acid induce RNA silencing-related genes and plant resistance to RNA pathogens. Plant Physiology and Biochemistry, 2014, 77, 35-43.	5.8	96
7	Identification of defence metabolites in tomato plants infected by the bacterial pathogen Pseudomonas syringae. Environmental and Experimental Botany, 2011, 74, 216-228.	4.2	92
8	Transgenic Tomato Plants Overexpressing Tyramine N-Hydroxycinnamoyltransferase Exhibit Elevated Hydroxycinnamic Acid Amide Levels and Enhanced Resistance to Pseudomonas syringae. Molecular Plant-Microbe Interactions, 2014, 27, 1159-1169.	2.6	82
9	Diversity and Relationships in Key Traits for Functional and Apparent Quality in a Collection of Eggplant: Fruit Phenolics Content, Antioxidant Activity, Polyphenol Oxidase Activity, and Browning. Journal of Agricultural and Food Chemistry, 2013, 61, 8871-8879.	5.2	77
10	Induction of p-Coumaroyldopamine and Feruloyldopamine, Two Novel Metabolites, in Tomato by the Bacterial Pathogen Pseudomonas syringae. Molecular Plant-Microbe Interactions, 2007, 20, 1439-1448.	2.6	74
11	Unraveling Salt Tolerance Mechanisms in Halophytes: A Comparative Study on Four Mediterranean Limonium Species with Different Geographic Distribution Patterns. Frontiers in Plant Science, 2017, 8, 1438.	3.6	65
12	Metabolic fingerprinting of Tomato Mosaic Virus infected Solanum lycopersicum. Journal of Plant Physiology, 2012, 169, 1586-1596.	3.5	64
13	Effects of Salt Stress on Three Ecologically Distinct Plantago Species. PLoS ONE, 2016, 11, e0160236.	2.5	60
14	Cytosporin-related compounds from the marine-derived fungus Eutypella scoparia. Tetrahedron, 2008, 64, 5365-5369.	1.9	53
15	Production and fungitoxic activity of Sch 642305, a secondary metabolite of Penicillium canescens. Mycopathologia, 2007, 163, 295-301.	3.1	51
16	Terretonins E and F, Inhibitors of the Mitochondrial Respiratory Chain from the Marine-Derived Fungus Aspergillus insuetus. Journal of Natural Products, 2009, 72, 1348-1351.	3.0	51
17	Fruit flesh volatile and carotenoid profile analysis within the Cucumis melo L. species reveals unexploited variability for future genetic breeding. Journal of the Science of Food and Agriculture, 2018, 98, 3915-3925.	3.5	50
18	Salicylic Acid Is Involved in the Basal Resistance of Tomato Plants to Citrus Exocortis Viroid and Tomato Spotted Wilt Virus. PLoS ONE, 2016, 11, e0166938.	2.5	50

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19	Induction of cinnamate 4-hydroxylase and phenylpropanoids in virus-infected cucumber and melon plants. Plant Science, 2008, 174, 524-533.	3.6	49
20	Circumdatin H, a New Inhibitor of Mitochondrial NADH Oxidase, from Aspergillus ochraceus. Journal of Antibiotics, 2005, 58, 416-419.	2.0	47
21	Induction of gentisic acid 5-O-Î²-d-xylopyranoside in tomato and cucumber plants infected by different pathogens. Phytochemistry, 2006, 67, 142-148.	2.9	46
22	Native-Invasive Plants vs. Halophytes in Mediterranean Salt Marshes: Stress Tolerance Mechanisms in Two Related Species. Frontiers in Plant Science, 2016, 7, 473.	3.6	45
23	Salinity-Induced Variation in Biochemical Markers Provides Insight into the Mechanisms of Salt Tolerance in Common (Phaseolus vulgaris) and Runner (P. coccineus) Beans. International Journal of Molecular Sciences, 2016, 17, 1582.	4.1	44
24	A New Role For Green Leaf Volatile Esters in Tomato Stomatal Defense Against Pseudomonas syringe pv. tomato. Frontiers in Plant Science, 2018, 9, 1855.	3.6	43
25	Distinctive physiological and molecular responses to cold stress among cold-tolerant and cold-sensitive Pinus halepensis seed sources. BMC Plant Biology, 2018, 18, 236.	3.6	43
26	Drought Tolerance in Pinus halepensis Seed Sources As Identified by Distinctive Physiological and Molecular Markers. Frontiers in Plant Science, 2017, 8, 1202.	3.6	38
27	Insecticidal Activity of Paraherquamides, Including Paraherquamide H and Paraherquamide I, Two New Alkaloids Isolated fromPenicillium cluniae. Journal of Agricultural and Food Chemistry, 2006, 54, 2921-2925.	5.2	37
28	Bacillus subtilis IAB/BS03 as a potential biological control agent. European Journal of Plant Pathology, 2016, 146, 597-608.	1.7	37
29	A Non-targeted Metabolomics Approach Unravels the VOCs Associated with the Tomato Immune Response against Pseudomonas syringae. Frontiers in Plant Science, 2017, 8, 1188.	3.6	35
30	Stress tolerance mechanisms in Juncus: responses to salinity and drought in three Juncus species adapted to different natural environments. Functional Plant Biology, 2016, 43, 949.	2.1	34
31	Studies on puupehenone-metabolites of a Dysidea sp.: structure and biological activity. Tetrahedron, 2007, 63, 1380-1384.	1.9	33
32	A noncoding plant pathogen provokes both transcriptional and posttranscriptional alterations in tomato. Proteomics, 2013, 13, 833-844.	2.2	30
33	Tomato glycosyltransferase Twi1 plays a role in flavonoid glycosylation and defence against virus. BMC Plant Biology, 2019, 19, 450.	3.6	27
34	Nitric oxide promotes strong cytotoxicity of phenolic compounds against Escherichia coli: the influence of antioxidant defenses. Free Radical Biology and Medicine, 2003, 35, 1373-1381.	2.9	24
35	New C21 Î”20 pregnanes, inhibitors of mitochondrial respiratory chain, from Indopacific octocoral Carijoa sp.. Tetrahedron Letters, 2004, 45, 7745-7748.	1.4	24
36	New bioactive hydrogenated linderazulene-derivatives from the gorgonian Echinogorgia complexa. Tetrahedron Letters, 2007, 48, 2569-2571.	1.4	22

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37	Metabolic Characterization ofWithania somniferafrom Different Regions of India Using NMR Spectroscopy. Planta Medica, 2011, 77, 1958-1964.	1.3	22
38	Tomato trichomes are deadly hurdles limiting the establishment of Amblyseius swirskii Athias-Henriot (Acari: Phytoseiidae). Biological Control, 2021, 157, 104572.	3.0	21
39	Bioprospecting for antagonistic Penicillium strains as a resource of new antitumor compounds. World Journal of Microbiology and Biotechnology, 2008, 24, 189-195.	3.6	19
40	Insights on Salt Tolerance of Two Endemic Limonium Species from Spain. Metabolites, 2019, 9, 294.	2.9	19
41	Signaling in the Tomato Immunity against Fusarium oxysporum. Molecules, 2021, 26, 1818.	3.8	18
42	Metabolic engineering to simultaneously activate anthocyanin and proanthocyanidin biosynthetic pathways in Nicotiana spp.. PLoS ONE, 2017, 12, e0184839.	2.5	18
43	Qualitative and Quantitative Differences in Osmolytes Accumulation and Antioxidant Activities in Response to Water Deficit in Four Mediterranean Limonium Species. Plants, 2019, 8, 506.	3.5	17
44	Two copper complexes from two novel naphthalene-sulfonyl-triazole ligands: Different nuclearity and different DNA binding and cleavage capabilities. Journal of Inorganic Biochemistry, 2013, 125, 50-63.	3.5	16
45	Conservation of Thermospermine Synthase Activity in Vascular and Non-vascular Plants. Frontiers in Plant Science, 2019, 10, 663.	3.6	16
46	Metabolomic Profiling of Plant Tissues. Methods in Molecular Biology, 2015, 1284, 221-235.	0.9	16
47	New Caulerpenyne-derived Metabolites of an Elysia Sacoglossan from the South Indian Coast. Molecules, 2006, 11, 808-816.	3.8	13
48	Molecular cloning and characterization of a novel tomato xylosyltransferase specific for gentisic acid. Journal of Experimental Botany, 2010, 61, 4325-4338.	4.8	13
49	Effect of Benzothiadiazole on the Metabolome of Tomato Plants Infected by Citrus Exocortis Viroid. Viruses, 2019, 11, 437.	3.3	11
50	Ethylene is Involved in Symptom Development and Ribosomal Stress of Tomato Plants upon Citrus Exocortis Viroid Infection. Plants, 2020, 9, 582.	3.5	10
51	Isolation and Structural Elucidation of Eight New Related Analogues of the Mycotoxin (â^')-Botryodiplodin from Penicillium coalescens. Journal of Agricultural and Food Chemistry, 2007, 55, 6977-6983.	5.2	9
52	Tetrahydroisoquinolines functionalized with carbamates as selective ligands of D2 dopamine receptor. Journal of Molecular Modeling, 2017, 23, 273.	1.8	9
53	Symptom Severity, Infection Progression and Plant Responses in Solanum Plants Caused by Three Pospiviroids Vary with the Inoculation Procedure. International Journal of Molecular Sciences, 2021, 22, 6189.	4.1	9
54	Wild edible foolâ€™s watercress, a potential crop with high nutraceutical properties. PeerJ, 2019, 7, e6296.	2.0	8

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55	Novel Inhibitors of the Mitochondrial Respiratory Chain:Â Oximes and Pyrrolines Isolated fromPenicillium brevicompactumand Synthetic Analogues. Journal of Agricultural and Food Chemistry, 2005, 53, 8296-8301.	5.2	6
56	(Z)-3-Hexenyl Butyrate Induces Stomata Closure and Ripening in Vitis vinifera. Agronomy, 2020, 10, 1122.	3.0	4
57	Untargeted Metabolomics of Rind Essential Oils Allowed to Differentiate Two Closely Related Clementine Varieties. Plants, 2021, 10, 1789.	3.5	1
58	CRITICAL THINKING OUTCOME ASSESSMENT IN A FIRST YEAR DEGREE COURSE. INTED Proceedings, 2016, , .	0.0	0
59	BOTANY TEACHING RESOURCES IN UNIVERSITY. INTED Proceedings, 2016, , .	0.0	0
60	EVALUATION OF THE OUTCOME APPLICATION AND PRACTICAL THINKING IN LIFE SCIENCES. EDULEARN Proceedings, 2016, , .	0.0	0