Teresa Altabella

List of Publications by Year
in descending order

52 papers	5,746 citations	156536 32 h-index	190340 53 g-index
54 all docs	54 docs citations	54 times ranked	5101 citing authors

#	Article	IF	Citations
1	Pseudomonas germanica sp. nov., isolated from Iris germanica rhizomes. International Journal of Systematic and Evolutionary Microbiology, 2022, 72, .	0.8	4
2	Structural and functional analysis of tomato sterol C22 desaturase. BMC Plant Biology, 2021, 21, 141.	1.6	3
3	Phytosterol metabolism in plant positive-strand RNA virus replication. Plant Cell Reports, 2021, , 1.	2.8	3
4	Inactivation of UDP-Glucose Sterol Glucosyltransferases Enhances Arabidopsis Resistance to Botrytis cinerea. Frontiers in Plant Science, 2019, 10, 1162.	1.7	17
5	Identification and Characterization of Sterol Acyltransferases Responsible for Steryl Ester Biosynthesis in Tomato. Frontiers in Plant Science, 2018, 9, 588.	1.7	15
6	Complex interplays between phytosterols and plastid development. Plant Signaling and Behavior, 2017, 12, e1387708.	1.2	4
7	Emerging roles for conjugated sterols in plants. Progress in Lipid Research, 2017, 67, 27-37.	5.3	161
8	Tomato UDP-Glucose Sterol Glycosyltransferases: A Family of Developmental and Stress Regulated Genes that Encode Cytosolic and Membrane-Associated Forms of the Enzyme. Frontiers in Plant Science, 2017, 8, 984.	1.7	37
9	Suppressing Farnesyl Diphosphate Synthase Alters Chloroplast Development and Triggers Sterol-Dependent Induction of Jasmonate- and Fe-Related Responses. Plant Physiology, 2016, 172, 93-117.	2.3	32
10	Strategies and Methodologies for the Co-expression of Multiple Proteins in Plants. Advances in Experimental Medicine and Biology, 2016, 896, 263-285.	0.8	5
11	Free polyamine and polyamine regulation during preâ€penetration and penetration resistance events in oat against crown rust (<i>Puccinia coronata</i> f. sp. <i>avenae</i>). Plant Pathology, 2016, 65, 392-401.	1.2	16
12	Transcript profiling of jasmonateâ€elicited <i>Taxus</i> cells reveals a Î²â€phenylalanineâ€CoA ligase. Plant Biotechnology Journal, 2016, 14, 85-96.	4.1	41
13	The roles of polyamines during the lifespan of plants: from development to stress. Planta, 2014, 240, 1-18.	1.6	343
14	Sorbitol dehydrogenase is a cytosolic protein required for sorbitol metabolism in Arabidopsis thaliana. Plant Science, 2013, 205-206, 63-75.	1.7	45
15	Copper-containing amine oxidases contribute to terminal polyamine oxidation in peroxisomes and apoplast of Arabidopsis thaliana. BMC Plant Biology, 2013, 13, 109.	1.6	134
16	Polyamines under Abiotic Stress: Metabolic Crossroads and Hormonal Crosstalks in Plants. Metabolites, 2012, 2, 516-528.	1.3	142
17	New insights into the role of spermine in Arabidopsis thaliana under long-term salt stress. Plant Science, 2012, 182, 94-100.	1.7	80
18	Integration of polyamines in the cold acclimation response. Plant Science, 2011, 180, 31-38.	1.7	140

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19	Arginine Decarboxylase expression, polyamines biosynthesis and reactive oxygen species during organogenic nodule formation in hop. Plant Signaling and Behavior, 2011, 6, 258-269.	1.2	17
20	Polyamine metabolic canalization in response to drought stress in Arabidopsis and the resurrection plant<i>Craterostigma plantagineum</i>. Plant Signaling and Behavior, 2011, 6, 243-250.	1.2	125
21	Homeostatic control of polyamine levels under long-term salt stress in Arabidopsis. Plant Signaling and Behavior, 2011, 6, 237-242.	1.2	7
22	Putrescine accumulation in Arabidopsis thaliana transgenic lines enhances tolerance to dehydration and freezing stress. Plant Signaling and Behavior, 2011, 6, 278-286.	1.2	78
23	Putrescine accumulation confers drought tolerance in transgenic Arabidopsis plants over-expressing the homologous Arginine decarboxylase 2 gene. Plant Physiology and Biochemistry, 2010, 48, 547-552.	2.8	178
24	Polyamines: molecules with regulatory functions in plant abiotic stress tolerance. Planta, 2010, 231, 1237-1249.	1.6	931
25	Putrescine as a signal to modulate the indispensable ABA increase under cold stress. Plant Signaling and Behavior, 2009, 4, 219-220.	1.2	61
26	Putrescine Is Involved in Arabidopsis Freezing Tolerance and Cold Acclimation by Regulating Abscisic Acid Levels in Response to Low Temperature. Plant Physiology, 2008, 148, 1094-1105.	2.3	360
27	Promoter DNA Hypermethylation and Gene Repression in Undifferentiated Arabidopsis Cells. PLoS ONE, 2008, 3, e3306.	1.1	99
28	Abscisic acid modulates polyamine metabolism under water stress in Arabidopsis thaliana. Physiologia Plantarum, 2006, 128, 448-455.	2.6	160
29	Involvement of polyamines in plant response to abiotic stress. Biotechnology Letters, 2006, 28, 1867-1876.	1.1	503
30	Consistency of Polyamine Profiles and Expression of Arginine Decarboxylase in Mitosis during Zygotic Embryogenesis of Scots Pine. Plant Physiology, 2006, 142, 1027-1038.	2.3	43
31	Overexpression of ADC2 in Arabidopsis induces dwarfism and late-flowering through GA deficiency. Plant Journal, 2005, 43, 425-436.	2.8	132
32	Localization of arginine decarboxylase in tobacco plants. Physiologia Plantarum, 2004, 120, 84-92.	2.6	78
33	A Polyamine Metabolon Involving Aminopropyl Transferase Complexes in Arabidopsis. Plant Cell, 2002, 14, 2539-2551.	3.1	159
34	Effects of putrescine accumulation in tobacco transgenic plants with different expression levels of oat arginine decarboxylase. Physiologia Plantarum, 2002, 114, 281-287.	2.6	32
35	Molecular forms of arginine decarboxylase in oat leaves. Physiologia Plantarum, 2000, 108, 370-375.	2.6	7
36	Polyamine metabolism and its regulation. Physiologia Plantarum, 1997, 100, 664-674.	2.6	15

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37	Plant Polyamines in Reproductive Activity and Response to Abiotic Stress*. Botanica Acta, 1997, 110, 197-207.	1.6	218
38	Recent advances in polyamine research. Trends in Plant Science, 1997, 2, 124-130.	4.3	368
39	Polyamine metabolism and its regulation. Physiologia Plantarum, 1997, 100, 664-674.	2.6	190
40	Inducible overexpression of oat arginine decarboxylase in transgenic tobacco plants. Plant Journal, 1997, 11, 465-473.	2.8	129
41	Regulation of arginine decarboxylase by spermine in osmotically-stressed oat leaves. Physiologia Plantarum, 1996, 98, 105-110.	2.6	54
42	Growth and tropane alkaloid production inAgrobacterium transformed roots and derived callus ofDatura. Biologia Plantarum, 1995, 37, 161-168.	1.9	19
43	Arginine Decarboxylase Is Localized in Chloroplasts. Plant Physiology, 1995, 109, 771-776.	2.3	123
44	Slow-Growth Phenotype of Transgenic Tomato Expressing Apoplastic Invertase. Plant Physiology, 1991, 95, 420-425.	2.3	148
45	Characterization of Î±-Amylase-Inhibitor, a Lectin-Like Protein in the Seeds of <i>Phaseolus vulgaris</i>. Plant Physiology, 1990, 92, 703-709.	2.3	68
46	Tobacco Plants Transformed with the Bean Î±ai Gene Express an Inhibitor of Insect Î±-Amylase in Their Seeds. Plant Physiology, 1990, 93, 805-810.	2.3	87
47	Effect of auxin concentration and growth phase on the plasma membrane H+-ATPase of tobacco calli. Plant Science, 1990, 70, 209-214.	1.7	32
48	Auxin-induced Regulation of Amino Acid and Putrescine in the Free State and Nicotine Content in Cultured Tobacco Callus. Journal of Plant Physiology, 1987, 128, 153-159.	1.6	9
49	Effect of salinity on soluble protein, free amino acids and nicotine contents inNicotiana rustica L.. Plant and Soil, 1987, 102, 55-60.	1.8	51
50	Effects of the growth regulator 4PU-30 on growth, K+ content, and alkaloid production in tobacco callus cultures. Journal of Plant Growth Regulation, 1987, 5, 183-189.	2.8	4
51	Correlation between K+ content, activities of arginine and ornithine decarboxylase, and levels of putrescine and nicotine in cultured tobacco callus. Physiologia Plantarum, 1987, 69, 221-226.	2.6	6
52	Effect of auxin on alkaloids, K+ and free amino acid content in cultured tobacco callus. Physiologia Plantarum, 1985, 65, 299-304.	2.6	18