Teresa Altabella

List of Publications by Year
in descending order

52 papers	5,746 citations	136950 32 h-index	168389 53 g-index
54 all docs	54 docs citations	54 times ranked	4620 citing authors

#	Article	IF	Citations
1	Polyamines: molecules with regulatory functions in plant abiotic stress tolerance. Planta, 2010, 231, 1237-1249.	3.2	931
2	Involvement of polyamines in plant response to abiotic stress. Biotechnology Letters, 2006, 28, 1867-1876.	2.2	503
3	Recent advances in polyamine research. Trends in Plant Science, 1997, 2, 124-130.	8.8	368
4	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.	4.8	360
5	The roles of polyamines during the lifespan of plants: from development to stress. Planta, 2014, 240, 1-18.	3.2	343
6	Plant Polyamines in Reproductive Activity and Response to Abiotic Stress*. Botanica Acta, 1997, 110, 197-207.	1.6	218
7	Polyamine metabolism and its regulation. Physiologia Plantarum, 1997, 100, 664-674.	5.2	190
8	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.	5.8	178
9	Emerging roles for conjugated sterols in plants. Progress in Lipid Research, 2017, 67, 27-37.	11.6	161
10	Abscisic acid modulates polyamine metabolism under water stress in Arabidopsis thaliana. Physiologia Plantarum, 2006, 128, 448-455.	5.2	160
11	A Polyamine Metabolon Involving Aminopropyl Transferase Complexes in Arabidopsis. Plant Cell, 2002, 14, 2539-2551.	6.6	159
12	Slow-Growth Phenotype of Transgenic Tomato Expressing Apoplastic Invertase. Plant Physiology, 1991, 95, 420-425.	4.8	148
13	Polyamines under Abiotic Stress: Metabolic Crossroads and Hormonal Crosstalks in Plants. Metabolites, 2012, 2, 516-528.	2.9	142
14	Integration of polyamines in the cold acclimation response. Plant Science, 2011, 180, 31-38.	3.6	140
15	Copper-containing amine oxidases contribute to terminal polyamine oxidation in peroxisomes and apoplast of Arabidopsis thaliana. BMC Plant Biology, 2013, 13, 109.	3.6	134
16	Overexpression of ADC2 in Arabidopsis induces dwarfism and late-flowering through GA deficiency. Plant Journal, 2005, 43, 425-436.	5.7	132
17	Inducible overexpression of oat arginine decarboxylase in transgenic tobacco plants. Plant Journal, 1997, 11, 465-473.	5.7	129
18	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.	2.4	125

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19	Arginine Decarboxylase Is Localized in Chloroplasts. Plant Physiology, 1995, 109, 771-776.	4.8	123
20	Promoter DNA Hypermethylation and Gene Repression in Undifferentiated Arabidopsis Cells. PLoS ONE, 2008, 3, e3306.	2.5	99
21	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.	4.8	87
22	New insights into the role of spermine in Arabidopsis thaliana under long-term salt stress. Plant Science, 2012, 182, 94-100.	3.6	80
23	Localization of arginine decarboxylase in tobacco plants. Physiologia Plantarum, 2004, 120, 84-92.	5.2	78
24	Putrescine accumulation in Arabidopsis thaliana transgenic lines enhances tolerance to dehydration and freezing stress. Plant Signaling and Behavior, 2011, 6, 278-286.	2.4	78
25	Characterization of Î±-Amylase-Inhibitor, a Lectin-Like Protein in the Seeds of <i>Phaseolus vulgaris</i>. Plant Physiology, 1990, 92, 703-709.	4.8	68
26	Putrescine as a signal to modulate the indispensable ABA increase under cold stress. Plant Signaling and Behavior, 2009, 4, 219-220.	2.4	61
27	Regulation of arginine decarboxylase by spermine in osmotically-stressed oat leaves. Physiologia Plantarum, 1996, 98, 105-110.	5.2	54
28	Effect of salinity on soluble protein, free amino acids and nicotine contents inNicotiana rustica L.. Plant and Soil, 1987, 102, 55-60.	3.7	51
29	Sorbitol dehydrogenase is a cytosolic protein required for sorbitol metabolism in Arabidopsis thaliana. Plant Science, 2013, 205-206, 63-75.	3.6	45
30	Consistency of Polyamine Profiles and Expression of Arginine Decarboxylase in Mitosis during Zygotic Embryogenesis of Scots Pine. Plant Physiology, 2006, 142, 1027-1038.	4.8	43
31	Transcript profiling of jasmonateâ€elicited <i>Taxus</i> cells reveals a Î²â€phenylalanineâ€CoA ligase. Plant Biotechnology Journal, 2016, 14, 85-96.	8.3	41
32	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.	3.6	37
33	Effect of auxin concentration and growth phase on the plasma membrane H+-ATPase of tobacco calli. Plant Science, 1990, 70, 209-214.	3.6	32
34	Effects of putrescine accumulation in tobacco transgenic plants with different expression levels of oat arginine decarboxylase. Physiologia Plantarum, 2002, 114, 281-287.	5.2	32
35	Suppressing Farnesyl Diphosphate Synthase Alters Chloroplast Development and Triggers Sterol-Dependent Induction of Jasmonate- and Fe-Related Responses. Plant Physiology, 2016, 172, 93-117.	4.8	32
36	Growth and tropane alkaloid production inAgrobacterium transformed roots and derived callus ofDatura. Biologia Plantarum, 1995, 37, 161-168.	1.9	19

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37	Effect of auxin on alkaloids, K+ and free amino acid content in cultured tobacco callus. Physiologia Plantarum, 1985, 65, 299-304.	5.2	18
38	Arginine Decarboxylase expression, polyamines biosynthesis and reactive oxygen species during organogenic nodule formation in hop. Plant Signaling and Behavior, 2011, 6, 258-269.	2.4	17
39	Inactivation of UDP-Glucose Sterol Glucosyltransferases Enhances Arabidopsis Resistance to Botrytis cinerea. Frontiers in Plant Science, 2019, 10, 1162.	3.6	17
40	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.	2.4	16
41	Polyamine metabolism and its regulation. Physiologia Plantarum, 1997, 100, 664-674.	5.2	15
42	Identification and Characterization of Sterol Acyltransferases Responsible for Steryl Ester Biosynthesis in Tomato. Frontiers in Plant Science, 2018, 9, 588.	3.6	15
43	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.	3.5	9
44	Molecular forms of arginine decarboxylase in oat leaves. Physiologia Plantarum, 2000, 108, 370-375.	5.2	7
45	Homeostatic control of polyamine levels under long-term salt stress in Arabidopsis. Plant Signaling and Behavior, 2011, 6, 237-242.	2.4	7
46	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.	5.2	6
47	Strategies and Methodologies for the Co-expression of Multiple Proteins in Plants. Advances in Experimental Medicine and Biology, 2016, 896, 263-285.	1.6	5
48	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.	5.1	4
49	Complex interplays between phytosterols and plastid development. Plant Signaling and Behavior, 2017, 12, e1387708.	2.4	4
50	Pseudomonas germanica sp. nov., isolated from Iris germanica rhizomes. International Journal of Systematic and Evolutionary Microbiology, 2022, 72, .	1.7	4
51	Structural and functional analysis of tomato sterol C22 desaturase. BMC Plant Biology, 2021, 21, 141.	3.6	3
52	Phytosterol metabolism in plant positive-strand RNA virus replication. Plant Cell Reports, 2021, , 1.	5.6	3