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List of Publications by Year
in descending order

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66 papers	4,280 citations	109137 35 h-index	123241 61 g-index
68 all docs	68 docs citations	68 times ranked	4424 citing authors

#	Article	IF	Citations
1	PlantL-ascorbic acid: chemistry, function, metabolism, bioavailability and effects of processing. Journal of the Science of Food and Agriculture, 2000, 80, 825-860.	1.7	1,076
2	Expression profiling of ascorbic acid-related genes during tomato fruit development and ripening and in response to stress conditions. Journal of Experimental Botany, 2009, 60, 663-678.	2.4	222
3	Over-expression of ascorbate oxidase in the apoplast of transgenic tobacco results in altered ascorbate and glutathione redox states and increased sensitivity to ozone. Planta, 2003, 216, 918-928.	1.6	204
4	Elucidation of the biosynthesis of carnosic acid and its reconstitution in yeast. Nature Communications, 2016, 7, 12942.	5.8	122
5	Melatonin combined with ascorbic acid provides salt adaptation in Citrus aurantium L. seedlings. Plant Physiology and Biochemistry, 2015, 86, 155-165.	2.8	117
6	Regulation of fruit ascorbic acid concentrations during ripening in high and low vitamin C tomato cultivars. BMC Plant Biology, 2012, 12, 239.	1.6	106
7	Characterization of two genes for the biosynthesis of abietane-type diterpenes in rosemary (Rosmarinus officinalis) glandular trichomes. Phytochemistry, 2014, 101, 52-64.	1.4	106
8	Altered stomatal dynamics in ascorbate oxidase over-expressing tobacco plants suggest a role for dehydroascorbate signalling. Journal of Experimental Botany, 2008, 59, 729-737.	2.4	103
9	Efficient diterpene production in yeast by engineering Erg20p into a geranylgeranyl diphosphate synthase. Metabolic Engineering, 2015, 27, 65-75.	3.6	101
10	Over-expression of a tomato N-acetyl-L-glutamate synthase gene (SlNAGS1) in Arabidopsis thaliana results in high ornithine levels and increased tolerance in salt and drought stresses. Journal of Experimental Botany, 2009, 60, 1859-1871.	2.4	100
11	Genus Cistus: a model for exploring labdane-type diterpenes' biosynthesis and a natural source of high value products with biological, aromatic, and pharmacological properties. Frontiers in Chemistry, 2014, 2, 35.	1.8	88
12	A phenylalanine ammonia-lyase gene from melon fruit: cDNA cloning, sequence and expression in response to development and wounding. Plant Molecular Biology, 1994, 26, 473-479.	2.0	87
13	Effect of ascorbate oxidase over-expression on ascorbate recycling gene expression in response to agents imposing oxidative stress. Journal of Experimental Botany, 2006, 57, 3933-3943.	2.4	87
14	Can ornithine accumulation modulate abiotic stress tolerance in Arabidopsis?. Plant Signaling and Behavior, 2009, 4, 1099-1101.	1.2	80
15	A Copal-8-ol Diphosphate Synthase from the Angiosperm Cistus creticus subsp. creticus Is a Putative Key Enzyme for the Formation of Pharmacologically Active, Oxygen-Containing Labdane-Type Diterpenes. Plant Physiology, 2010, 154, 301-310.	2.3	74
16	Suppression of Cellulase and Polygalacturonase and Induction of Alcohol Dehydrogenase Isoenzymes in Avocado Fruit Mesocarp Subjected to Low Oxygen Stress. Plant Physiology, 1991, 96, 269-274.	2.3	73
17	Genetic Control of Ascorbic Acid Biosynthesis and Recycling in Horticultural Crops. Frontiers in Chemistry, 2017, 5, 50.	1.8	72
18	Melon ascorbate oxidase: cloning of a multigene family, induction during fruit development and repression by wounding. Plant Molecular Biology, 1997, 34, 759-770.	2.0	67

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19	Differential expression of the ascorbate oxidase multigene family during fruit development and in response to stress. Planta, 2007, 225, 873-885.	1.6	67
20	Towards Elucidating Carnosic Acid Biosynthesis in Lamiaceae: Functional Characterization of the Three First Steps of the Pathway in Salvia fruticosa and Rosmarinus officinalis. PLoS ONE, 2015, 10, e0124106.	1.1	67
21	Reconstructing the chemical diversity of labdane-type diterpene biosynthesis in yeast. Metabolic Engineering, 2015, 28, 91-103.	3.6	66
22	Stress and developmental responses of terpenoid biosynthetic genes in Cistus creticus subsp. creticus. Plant Cell Reports, 2010, 29, 629-641.	2.8	63
23	Regulation of Glutamate Dehydrogenase and Glutamine Synthetase in Avocado Fruit during Development and Ripening. Plant Physiology, 1994, 106, 217-222.	2.3	61
24	Molecular characterization and expression studies during melon fruit development and ripening of L-galactono-1,4-lactone dehydrogenase. Journal of Experimental Botany, 2004, 55, 1623-1633.	2.4	60
25	Physiological and molecular responses of the isoprenoid biosynthetic pathway in a drought-resistant Mediterranean shrub, Cistus creticus exposed to water deficit. Journal of Plant Physiology, 2009, 166, 136-145.	1.6	59
26	Catalase Is Differentially Expressed in Dividing and Nondividing Protoplasts. Plant Physiology, 1994, 105, 1375-1383.	2.3	56
27	Isolation of a dehydrin cDNA from orange and grapefruit citrus fruit that is specifically induced by the combination of heat followed by chilling temperatures. Physiologia Plantarum, 2004, 120, 256-264.	2.6	54
28	Hydrolytic Enzyme Activities and Protein Pattern of Avocado Fruit Ripened in Air and in Low Oxygen, with and without Ethylene. Plant Physiology, 1989, 90, 259-266.	2.3	50
29	Changes in Sugars, Enzymic Activities and Acid Phosphatase Isoenzyme Profiles of Bananas Ripened in Air or Stored in 2.5% O₂ with and without Ethylene. Plant Physiology, 1989, 90, 251-258.	2.3	48
30	Cellulase Occurs in Multiple Active Forms in Ripe Avocado Fruit Mesocarp. Plant Physiology, 1992, 98, 530-534.	2.3	48
31	Positive genetic interactors of HMG2 identify a new set of genetic perturbations for improving sesquiterpene production in Saccharomyces cerevisiae. Microbial Cell Factories, 2012, 11, 162.	1.9	48
32	Combined metabolome and transcriptome profiling provides new insights into diterpene biosynthesis in S. pomifera glandular trichomes. BMC Genomics, 2015, 16, 935.	1.2	43
33	Differential effects of low-temperature inhibition on the propylene induced autocatalysis of ethylene production, respiration and ripening of â€˜Haywardâ€™ kiwifruit. Journal of Horticultural Science and Biotechnology, 2000, 75, 575-580.	0.9	41
34	Transcriptome analysis approaches for the isolation of trichome-specific genes from the medicinal plant Cistus creticus subsp. creticus. Plant Molecular Biology, 2008, 68, 633-651.	2.0	41
35	Ascorbate oxidase ofCucumis meloL. var. reticulatus: purification, characterization and antibody production. Journal of Experimental Botany, 1994, 45, 717-724.	2.4	39
36	Regulation of Vitamin C Accumulation for Improved Tomato Fruit Quality and Alleviation of Abiotic Stress. Genes, 2021, 12, 694.	1.0	39

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37	Altered apoplastic ascorbate redox state in tobacco plants via ascorbate oxidase overexpression results in delayed dark-induced senescence in detached leaves. Plant Physiology and Biochemistry, 2013, 73, 154-160.	2.8	37
38	Trichome patterning control involves TTG1 interaction with SPL transcription factors. Plant Molecular Biology, 2016, 92, 675-687.	2.0	35
39	EST analysis and annotation of transcripts derived from a trichome-specific cDNA library from Salvia fruticosa. Plant Cell Reports, 2010, 29, 523-534.	2.8	33
40	Identification and expression profiling of low oxygen regulated genes from Citrus flavedo tissues using RT-PCR differential display. Journal of Experimental Botany, 2007, 58, 2203-2216.	2.4	29
41	A ÃŸ-d-xylosidase and a PR-4B precursor identified as genes accounting for differences in peach cold storage tolerance. Functional and Integrative Genomics, 2011, 11, 357-368.	1.4	26
42	Decreased Cellulase Activity in Avocado Fruit Subjected to 2.5% O2 Correlate: with Lower Cellulase Protein and Gene Transcript Levels. Plant and Cell Physiology, 1989, 30, 817-823.	1.5	24
43	Evaluating Ascorbate Oxidase as a Plant Defense Against Leaf-Chewing Insects Using Transgenic Poplar. Journal of Chemical Ecology, 2008, 34, 1331-1340.	0.9	21
44	Isolation and functional analysis of two Cistus creticus cDNAs encoding geranylgeranyl diphosphate synthase. Phytochemistry, 2008, 69, 1641-1652.	1.4	21
45	Silencing of ascorbate oxidase results in reduced growth, altered ascorbic acid levels and ripening pattern in melon fruit. Plant Physiology and Biochemistry, 2020, 156, 291-303.	2.8	21
46	The Effect of Water Deficit on Two Greek Vitis vinifera L. Cultivars: Physiology, Grape Composition and Gene Expression during Berry Development. Plants, 2021, 10, 1947.	1.6	21
47	Expression of ascorbate oxidase isoenzymes in cucurbits and during development and ripening of melon fruit. Postharvest Biology and Technology, 2003, 27, 137-146.	2.9	20
48	Effects of low oxygen on in vitro translation products of poly(A)+ RNA, cellulase and alcohol dehydrogenase expression in preclimacteric and ripening-initiated avocado fruit. Postharvest Biology and Technology, 2006, 39, 29-37.	2.9	19
49	Hypoxic acclimation prevents avocado mesocarp injury caused by subsequent exposure to extreme low oxygen atmospheres. Postharvest Biology and Technology, 2001, 23, 215-226.	2.9	17
50	Expression of a senescence-associated cysteine protease gene related to peel pitting of navel orange (Citrus sinensis L. Osbeck). Plant Cell, Tissue and Organ Culture, 2009, 98, 281-289.	1.2	17
51	Heterologous production of labdane-type diterpenes in the green alga Chlamydomonas reinhardtii. Phytochemistry, 2019, 167, 112082.	1.4	16
52	Isolation of high-quality nucleic acids from Cistus creticus ssp. creticus and other medicinal plants. Analytical Biochemistry, 2004, 328, 90-92.	1.1	15
53	Atlas of phenotypic, genotypic and geographical diversity present in the European traditional tomato. Horticulture Research, 2022, 9, .	2.9	12
54	European traditional tomatoes galore: a result of farmersâ€™ selection of a few diversity-rich loci. Journal of Experimental Botany, 2022, 73, 3431-3445.	2.4	11

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55	Comparative Metabolite and Gene Expression Analyses in Combination With Gene Characterization Revealed the Patterns of Flavonoid Accumulation During Cistus creticus subsp. creticus Fruit Development. Frontiers in Plant Science, 2021, 12, 619634.	1.7	7
56	Visualization of acid phosphatase activity on nitrocellulose filters following electroblotting of polyacrylamide gels. Analytical Biochemistry, 1989, 179, 194-197.	1.1	6
57	Plant L-ascorbic acid: chemistry, function, metabolism, bioavailability and effects of processing. , 0, .		6
58	Physiological,Biochemical,and Molecular Aspects of Ethylene Biosynthesis and Action. , 2002, , .		4
59	Molecular cloning and expression of an expansin-like gene in â€˜Navelâ€™ orange fruit during postharvest stresses. Plant Growth Regulation, 2009, 59, 13-19.	1.8	4
60	Biochemical and Molecular Aspects of Modified and Controlled Atmospheres. , 2009, , .		4
61	Sustainable Exploitation of Greek Rosmarinus officinalis L. Populations for Ornamental Use through Propagation by Shoot Cuttings and In Vitro Cultures. Sustainability, 2022, 14, 4059.	1.6	4
62	Intraspecific Genetic Diversity of Cistus creticus L. and Evolutionary Relationships to Cistus albidus L. (Cistaceae): Meeting of the Generations?. Plants, 2021, 10, 1619.	1.6	3
63	Bioactivity-guided identification and isolation of a major antimicrobial compound in Cistus creticus subsp. creticus leaves and resin â€œladanoâ€• Industrial Crops and Products, 2022, 184, 114992.	2.5	3
64	Editorial: Ethylene Biology and Beyond: Novel Insights in the Ethylene Pathway and Its Interactions. Frontiers in Plant Science, 2020, 11, 248.	1.7	2
65	Isolation, characterization and expression profile of Cistus creticus ssp. creticus genes involved in terpenoid biosynthesis. Journal of Biotechnology, 2007, 131, S15.	1.9	1
66	Plant L-ascorbic acid: chemistry, function, metabolism, bioavailability and effects of processing. , 2000, 80, 825.		1