

Angelos K Kanellis

List of Publications by Year in descending order

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66
papers

4,280
citations

109321

35
h-index

123424

61
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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. <i>Journal of the Science of Food and Agriculture</i> , 2000, 80, 825-860.	3.5	1,076
2	Expression profiling of ascorbic acid-related genes during tomato fruit development and ripening and in response to stress conditions. <i>Journal of Experimental Botany</i> , 2009, 60, 663-678.	4.8	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. <i>Planta</i> , 2003, 216, 918-928.	3.2	204
4	Elucidation of the biosynthesis of carnosic acid and its reconstitution in yeast. <i>Nature Communications</i> , 2016, 7, 12942.	12.8	122
5	Melatonin combined with ascorbic acid provides salt adaptation in <i>Citrus aurantium</i> L. seedlings. <i>Plant Physiology and Biochemistry</i> , 2015, 86, 155-165.	5.8	117
6	Regulation of fruit ascorbic acid concentrations during ripening in high and low vitamin C tomato cultivars. <i>BMC Plant Biology</i> , 2012, 12, 239.	3.6	106
7	Characterization of two genes for the biosynthesis of abietane-type diterpenes in rosemary (<i>Rosmarinus officinalis</i>) glandular trichomes. <i>Phytochemistry</i> , 2014, 101, 52-64.	2.9	106
8	Altered stomatal dynamics in ascorbate oxidase over-expressing tobacco plants suggest a role for dehydroascorbate signalling. <i>Journal of Experimental Botany</i> , 2008, 59, 729-737.	4.8	103
9	Efficient diterpene production in yeast by engineering Erg20p into a geranylgeranyl diphosphate synthase. <i>Metabolic Engineering</i> , 2015, 27, 65-75.	7.0	101
10	Over-expression of a tomato N-acetyl-L-glutamate synthase gene (SINAGS1) in <i>Arabidopsis thaliana</i> results in high ornithine levels and increased tolerance in salt and drought stresses. <i>Journal of Experimental Botany</i> , 2009, 60, 1859-1871.	4.8	100
11	Genus <i>Cistus</i> : a model for exploring labdane-type diterpenes' biosynthesis and a natural source of high value products with biological, aromatic, and pharmacological properties. <i>Frontiers in Chemistry</i> , 2014, 2, 35.	3.6	88
12	A phenylalanine ammonia-lyase gene from melon fruit: cDNA cloning, sequence and expression in response to development and wounding. <i>Plant Molecular Biology</i> , 1994, 26, 473-479.	3.9	87
13	Effect of ascorbate oxidase over-expression on ascorbate recycling gene expression in response to agents imposing oxidative stress. <i>Journal of Experimental Botany</i> , 2006, 57, 3933-3943.	4.8	87
14	Can ornithine accumulation modulate abiotic stress tolerance in <i>Arabidopsis</i> ?. <i>Plant Signaling and Behavior</i> , 2009, 4, 1099-1101.	2.4	80
15	A Copal-8-ol Diphosphate Synthase from the Angiosperm <i>Cistus creticus</i> subsp. <i>creticus</i> Is a Putative Key Enzyme for the Formation of Pharmacologically Active, Oxygen-Containing Labdane-Type Diterpenes. <i>Plant Physiology</i> , 2010, 154, 301-310.	4.8	74
16	Suppression of Cellulase and Polygalacturonase and Induction of Alcohol Dehydrogenase Isoenzymes in Avocado Fruit Mesocarp Subjected to Low Oxygen Stress. <i>Plant Physiology</i> , 1991, 96, 269-274.	4.8	73
17	Genetic Control of Ascorbic Acid Biosynthesis and Recycling in Horticultural Crops. <i>Frontiers in Chemistry</i> , 2017, 5, 50.	3.6	72
18	Melon ascorbate oxidase: cloning of a multigene family, induction during fruit development and repression by wounding. <i>Plant Molecular Biology</i> , 1997, 34, 759-770.	3.9	67

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19	Differential expression of the ascorbate oxidase multigene family during fruit development and in response to stress. <i>Planta</i> , 2007, 225, 873-885.	3.2	67
20	Towards Elucidating Carnosic Acid Biosynthesis in Lamiaceae: Functional Characterization of the Three First Steps of the Pathway in <i>Salvia fruticosa</i> and <i>Rosmarinus officinalis</i> . <i>PLoS ONE</i> , 2015, 10, e0124106.	2.5	67
21	Reconstructing the chemical diversity of labdane-type diterpene biosynthesis in yeast. <i>Metabolic Engineering</i> , 2015, 28, 91-103.	7.0	66
22	Stress and developmental responses of terpenoid biosynthetic genes in <i>Cistus creticus</i> subsp. <i>creticus</i> . <i>Plant Cell Reports</i> , 2010, 29, 629-641.	5.6	63
23	Regulation of Glutamate Dehydrogenase and Glutamine Synthetase in Avocado Fruit during Development and Ripening. <i>Plant Physiology</i> , 1994, 106, 217-222.	4.8	61
24	Molecular characterization and expression studies during melon fruit development and ripening of L-galactono-1,4-lactone dehydrogenase. <i>Journal of Experimental Botany</i> , 2004, 55, 1623-1633.	4.8	60
25	Physiological and molecular responses of the isoprenoid biosynthetic pathway in a drought-resistant Mediterranean shrub, <i>Cistus creticus</i> exposed to water deficit. <i>Journal of Plant Physiology</i> , 2009, 166, 136-145.	3.5	59
26	Catalase Is Differentially Expressed in Dividing and Nondividing Protoplasts. <i>Plant Physiology</i> , 1994, 105, 1375-1383.	4.8	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. <i>Physiologia Plantarum</i> , 2004, 120, 256-264.	5.2	54
28	Hydrolytic Enzyme Activities and Protein Pattern of Avocado Fruit Ripened in Air and in Low Oxygen, with and without Ethylene. <i>Plant Physiology</i> , 1989, 90, 259-266.	4.8	50
29	Changes in Sugars, Enzymic Activities and Acid Phosphatase Isoenzyme Profiles of Bananas Ripened in Air or Stored in 2.5% O ₂ with and without Ethylene. <i>Plant Physiology</i> , 1989, 90, 251-258.	4.8	48
30	Cellulase Occurs in Multiple Active Forms in Ripe Avocado Fruit Mesocarp. <i>Plant Physiology</i> , 1992, 98, 530-534.	4.8	48
31	Positive genetic interactors of HMG2 identify a new set of genetic perturbations for improving sesquiterpene production in <i>Saccharomyces cerevisiae</i> . <i>Microbial Cell Factories</i> , 2012, 11, 162.	4.0	48
32	Combined metabolome and transcriptome profiling provides new insights into diterpene biosynthesis in <i>S. pomifera</i> glandular trichomes. <i>BMC Genomics</i> , 2015, 16, 935.	2.8	43
33	Differential effects of low-temperature inhibition on the propylene induced autocatalysis of ethylene production, respiration and ripening of 'Hayward'™ kiwifruit. <i>Journal of Horticultural Science and Biotechnology</i> , 2000, 75, 575-580.	1.9	41
34	Transcriptome analysis approaches for the isolation of trichome-specific genes from the medicinal plant <i>Cistus creticus</i> subsp. <i>creticus</i> . <i>Plant Molecular Biology</i> , 2008, 68, 633-651.	3.9	41
35	Ascorbate oxidase of <i>Cucumis melo</i> L. var. <i>reticulatus</i> : purification, characterization and antibody production. <i>Journal of Experimental Botany</i> , 1994, 45, 717-724.	4.8	39
36	Regulation of Vitamin C Accumulation for Improved Tomato Fruit Quality and Alleviation of Abiotic Stress. <i>Genes</i> , 2021, 12, 694.	2.4	39

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37	Altered apoplasmic ascorbate redox state in tobacco plants via ascorbate oxidase overexpression results in delayed dark-induced senescence in detached leaves. <i>Plant Physiology and Biochemistry</i> , 2013, 73, 154-160.	5.8	37
38	Trichome patterning control involves TTG1 interaction with SPL transcription factors. <i>Plant Molecular Biology</i> , 2016, 92, 675-687.	3.9	35
39	EST analysis and annotation of transcripts derived from a trichome-specific cDNA library from <i>Salvia fruticosa</i> . <i>Plant Cell Reports</i> , 2010, 29, 523-534.	5.6	33
40	Identification and expression profiling of low oxygen regulated genes from <i>Citrus flavedo</i> tissues using RT-PCR differential display. <i>Journal of Experimental Botany</i> , 2007, 58, 2203-2216.	4.8	29
41	A β -D-xylosidase and a PR-4B precursor identified as genes accounting for differences in peach cold storage tolerance. <i>Functional and Integrative Genomics</i> , 2011, 11, 357-368.	3.5	26
42	Decreased Cellulase Activity in Avocado Fruit Subjected to 2.5% O ₂ Correlate: with Lower Cellulase Protein and Gene Transcript Levels. <i>Plant and Cell Physiology</i> , 1989, 30, 817-823.	3.1	24
43	Evaluating Ascorbate Oxidase as a Plant Defense Against Leaf-Chewing Insects Using Transgenic Poplar. <i>Journal of Chemical Ecology</i> , 2008, 34, 1331-1340.	1.8	21
44	Isolation and functional analysis of two <i>Cistus creticus</i> cDNAs encoding geranylgeranyl diphosphate synthase. <i>Phytochemistry</i> , 2008, 69, 1641-1652.	2.9	21
45	Silencing of ascorbate oxidase results in reduced growth, altered ascorbic acid levels and ripening pattern in melon fruit. <i>Plant Physiology and Biochemistry</i> , 2020, 156, 291-303.	5.8	21
46	The Effect of Water Deficit on Two Greek <i>Vitis vinifera</i> L. Cultivars: Physiology, Grape Composition and Gene Expression during Berry Development. <i>Plants</i> , 2021, 10, 1947.	3.5	21
47	Expression of ascorbate oxidase isoenzymes in cucurbits and during development and ripening of melon fruit. <i>Postharvest Biology and Technology</i> , 2003, 27, 137-146.	6.0	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. <i>Postharvest Biology and Technology</i> , 2006, 39, 29-37.	6.0	19
49	Hypoxic acclimation prevents avocado mesocarp injury caused by subsequent exposure to extreme low oxygen atmospheres. <i>Postharvest Biology and Technology</i> , 2001, 23, 215-226.	6.0	17
50	Expression of a senescence-associated cysteine protease gene related to peel pitting of navel orange (<i>Citrus sinensis</i> L. Osbeck). <i>Plant Cell, Tissue and Organ Culture</i> , 2009, 98, 281-289.	2.3	17
51	Heterologous production of labdane-type diterpenes in the green alga <i>Chlamydomonas reinhardtii</i> . <i>Phytochemistry</i> , 2019, 167, 112082.	2.9	16
52	Isolation of high-quality nucleic acids from <i>Cistus creticus</i> ssp. <i>creticus</i> and other medicinal plants. <i>Analytical Biochemistry</i> , 2004, 328, 90-92.	2.4	15
53	Atlas of phenotypic, genotypic and geographical diversity present in the European traditional tomato. <i>Horticulture Research</i> , 2022, 9, .	6.3	12
54	European traditional tomatoes galore: a result of farmers' selection of a few diversity-rich loci. <i>Journal of Experimental Botany</i> , 2022, 73, 3431-3445.	4.8	11

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55	Comparative Metabolite and Gene Expression Analyses in Combination With Gene Characterization Revealed the Patterns of Flavonoid Accumulation During <i>Cistus creticus</i> subsp. <i>creticus</i> Fruit Development. <i>Frontiers in Plant Science</i> , 2021, 12, 619634.	3.6	7
56	Visualization of acid phosphatase activity on nitrocellulose filters following electroblotting of polyacrylamide gels. <i>Analytical Biochemistry</i> , 1989, 179, 194-197.	2.4	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 "Navel"™ orange fruit during postharvest stresses. <i>Plant Growth Regulation</i> , 2009, 59, 13-19.	3.4	4
60	Biochemical and Molecular Aspects of Modified and Controlled Atmospheres. , 2009, , .		4
61	Sustainable Exploitation of Greek <i>Rosmarinus officinalis</i> L. Populations for Ornamental Use through Propagation by Shoot Cuttings and In Vitro Cultures. <i>Sustainability</i> , 2022, 14, 4059.	3.2	4
62	Intraspecific Genetic Diversity of <i>Cistus creticus</i> L. and Evolutionary Relationships to <i>Cistus albidus</i> L. (Cistaceae): Meeting of the Generations?. <i>Plants</i> , 2021, 10, 1619.	3.5	3
63	Bioactivity-guided identification and isolation of a major antimicrobial compound in <i>Cistus creticus</i> subsp. <i>creticus</i> leaves and resin "eladano". <i>Industrial Crops and Products</i> , 2022, 184, 114992.	5.2	3
64	Editorial: Ethylene Biology and Beyond: Novel Insights in the Ethylene Pathway and Its Interactions. <i>Frontiers in Plant Science</i> , 2020, 11, 248.	3.6	2
65	Isolation, characterization and expression profile of <i>Cistus creticus</i> ssp. <i>creticus</i> genes involved in terpenoid biosynthesis. <i>Journal of Biotechnology</i> , 2007, 131, S15.	3.8	1
66	Plant L-ascorbic acid: chemistry, function, metabolism, bioavailability and effects of processing. , 2000, 80, 825.		1