

Avi Sadka

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

2,089
citations

218677

26
h-index

289244

40
g-index

42
all docs

42
docs citations

42
times ranked

2315
citing authors

#	ARTICLE	IF	CITATIONS
1	Arabidopsis thaliana Atvsp is homologous to soybean VspA and VspB, genes encoding vegetative storage protein acid phosphatases, and is regulated similarly by methyl jasmonate, wounding, sugars, light and phosphate. <i>Plant Molecular Biology</i> , 1995, 27, 933-942.	3.9	198
2	Salt Induction of Fatty Acid Elongase and Membrane Lipid Modifications in the Extreme Halotolerant Alga <i>Dunaliella salina</i> Å. <i>Plant Physiology</i> , 2002, 129, 1320-1329.	4.8	151
3	Aconitase activity and expression during the development of lemon fruit. <i>Physiologia Plantarum</i> , 2000, 108, 255-262.	5.2	125
4	Similar mechanisms might be triggered by alternative external stimuli that induce dormancy release in grape buds. <i>Planta</i> , 2008, 228, 79-88.	3.2	99
5	Label-free shotgun proteomics and metabolite analysis reveal a significant metabolic shift during citrus fruit development. <i>Journal of Experimental Botany</i> , 2011, 62, 5367-5384.	4.8	98
6	Effects of gibberellin treatment during flowering induction period on global gene expression and the transcription of flowering-control genes in Citrus buds. <i>Plant Science</i> , 2013, 198, 46-57.	3.6	91
7	Alternate Bearing in Citrus: Changes in the Expression of Flowering Control Genes and in Global Gene Expression in ON- versus OFF-Crop Trees. <i>PLoS ONE</i> , 2012, 7, e46930.	2.5	88
8	Recent Advances in the Regulation of Citric Acid Metabolism in Citrus Fruit. <i>Critical Reviews in Plant Sciences</i> , 2017, 36, 241-256.	5.7	86
9	NADP ⁺ -isocitrate dehydrogenase gene expression and isozyme activity during citrus fruit development. <i>Plant Science</i> , 2000, 158, 173-181.	3.6	79
10	Ethylene regulation of sugar metabolism in climacteric and non-climacteric plums. <i>Postharvest Biology and Technology</i> , 2018, 139, 20-30.	6.0	74
11	Vacuolar citrate/H ⁺ symporter of citrus juice cells. <i>Planta</i> , 2006, 224, 472-480.	3.2	65
12	Fruit load induces changes in global gene expression and in abscisic acid (ABA) and indole acetic acid (IAA) homeostasis in citrus buds. <i>Journal of Experimental Botany</i> , 2014, 65, 3029-3044.	4.8	61
13	A 150 Kilodalton Cell Surface Protein Is Induced by Salt in the Halotolerant Green Alga <i>Dunaliella salina</i> . <i>Plant Physiology</i> , 1991, 95, 822-831.	4.8	60
14	Primary Metabolism in Citrus Fruit as Affected by Its Unique Structure. <i>Frontiers in Plant Science</i> , 2019, 10, 1167.	3.6	56
15	Inhibition of aconitase in citrus fruit callus results in a metabolic shift towards amino acid biosynthesis. <i>Planta</i> , 2011, 234, 501-513.	3.2	55
16	Molecular characterization of SQUAMOSA PROMOTER BINDING PROTEIN-LIKE (SPL) gene family from Citrus and the effect of fruit load on their expression. <i>Frontiers in Plant Science</i> , 2015, 6, 389.	3.6	54
17	A critical examination of the role of de novo protein synthesis in the osmotic adaptation of the halotolerant alga <i>Dunaliella</i> . <i>FEBS Letters</i> , 1989, 244, 93-98.	2.8	51
18	RNA-Seq Analysis of Spatiotemporal Gene Expression Patterns During Fruit Development Revealed Reference Genes for Transcript Normalization in Plums. <i>Plant Molecular Biology Reporter</i> , 2015, 33, 1634-1649.	1.8	48

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19	Non-climacteric ripening and sorbitol homeostasis in plum fruits. <i>Plant Science</i> , 2015, 231, 30-39.	3.6	46
20	Homeodomain Leucine Zipper Proteins Bind to the Phosphate Response Domain of the Soybean VspB Tripartite Promoter. <i>Plant Physiology</i> , 2001, 125, 797-809.	4.8	44
21	A label-free differential quantitative mass spectrometry method for the characterization and identification of protein changes during citrus fruit development. <i>Proteome Science</i> , 2010, 8, 68.	1.7	44
22	Sugar metabolism reprogramming in a non-climacteric bud mutant of a climacteric plum fruit during development on the tree. <i>Journal of Experimental Botany</i> , 2017, 68, 5813-5828.	4.8	42
23	Comparative analysis of mitochondrial citrate synthase gene structure, transcript level and enzymatic activity in acidless and acid-containing Citrus varieties. <i>Functional Plant Biology</i> , 2001, 28, 383.	2.1	37
24	Iron-shortage-induced increase in citric acid content and reduction of cytosolic aconitase activity in Citrus fruit vesicles and calli. <i>Physiologia Plantarum</i> , 2007, 131, 72-79.	5.2	37
25	Phosphate Modulates Transcription of Soybean VspB and Other Sugar-Inducible Genes. <i>Plant Cell</i> , 1994, 6, 737.	6.6	30
26	Arsenite Reduces Acid Content in Citrus Fruit, Inhibits Activity of Citrate Synthase but Induces Its Gene Expression. <i>Journal of the American Society for Horticultural Science</i> , 2000, 125, 288-293.	1.0	29
27	Isolation of mitochondrial malate dehydrogenase and phosphoenolpyruvate carboxylase cDNA clones from grape berries and analysis of their expression pattern throughout berry development. <i>Journal of Plant Physiology</i> , 2000, 157, 527-534.	3.5	27
28	Effects of photoselective netting on root growth and development of young grafted orange trees under semi-arid climate. <i>Scientia Horticulturae</i> , 2018, 238, 272-280.	3.6	27
29	Induction of a Citrus gene highly homologous to plant and yeast thi genes involved in thiamine biosynthesis during natural and ethylene-induced fruit maturation. <i>Plant Molecular Biology</i> , 1997, 35, 661-666.	3.9	26
30	Reductions in root hydraulic conductivity in response to clay soil and treated waste water are related to PIPs down-regulation in Citrus. <i>Scientific Reports</i> , 2017, 7, 15429.	3.3	23
31	Fermentative metabolism in grape berries: isolation and characterization of pyruvate decarboxylase cDNA and analysis of its expression throughout berry development. <i>Plant Science</i> , 2000, 156, 151-158.	3.6	21
32	Hormone balance in a climacteric plum fruit and its non-climacteric bud mutant during ripening. <i>Plant Science</i> , 2019, 280, 51-65.	3.6	20
33	A Genetic Algorithm to Optimize Weighted Gene Co-Expression Network Analysis. <i>Journal of Computational Biology</i> , 2019, 26, 1349-1366.	1.6	18
34	Alternate bearing in fruit trees: fruit presence induces polar auxin transport in citrus and olive stem and represses IAA release from the bud. <i>Journal of Experimental Botany</i> , 2021, 72, 2450-2462.	4.8	17
35	Ethylene Response of Plum ACC Synthase 1 (ACS1) Promoter is Mediated through the Binding Site of Abscisic Acid Insensitive 5 (ABI5) A. <i>Plants</i> , 2019, 8, 117.	3.5	15
36	Isolation of a citrus promoter specific for reproductive organs and its functional analysis in isolated juice sacs and tomato. <i>Plant Cell Reports</i> , 2011, 30, 1627-1640.	5.6	13

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37	Tissue-specific organic acid metabolism in reproductive and non-reproductive parts of the fig fruit is partially induced by pollination. <i>Physiologia Plantarum</i> , 2020, 168, 133-147.	5.2	11
38	Use of Magnetic Resonance Imaging (MRI) to Study and Predict Fruit Splitting in Citrus. <i>Horticulture Journal</i> , 2017, 86, 151-158.	0.8	9
39	PaKRP, a cyclin-dependent kinase inhibitor from avocado, may facilitate exit from the cell cycle during fruit growth. <i>Plant Science</i> , 2013, 213, 18-29.	3.6	6
40	Top Photosensitive Netting in Combination with Reduced Fertigation Results in Multi-Annual Yield Increase in Valencia Oranges (<i>Citrus sinensis</i>). <i>Agronomy</i> , 2021, 11, 2034.	3.0	6