Jose G Vallarino

List of Publications by Year
in descending order

46 papers	1,703 citations	304743 22 h-index	315739 38 g-index
56 all docs	56 docs citations	56 times ranked	1982 citing authors

#	Article	IF	Citations
1	The <i>Arabidopsis</i> electronâ€transfer flavoprotein:ubiquinone oxidoreductase is required during normal seed development and germination. Plant Journal, 2022, 109, 196-214.	5.7	6
2	A manipulation of carotenoid metabolism influence biomass partitioning and fitness in tomato. Metabolic Engineering, 2022, 70, 166-180.	7.0	19
3	Regulation of Plant Tannin Synthesis in Crop Species. Frontiers in Genetics, 2022, 13, 870976.	2.3	13
4	Decreased Levels of Thioredoxin o1 Influences Stomatal Development and Aperture but Not Photosynthesis under Non-Stress and Saline Conditions. International Journal of Molecular Sciences, 2021, 22, 1063.	4.1	8
5	Developmental metabolomics to decipher and improve fleshy fruit quality. Advances in Botanical Research, 2021, 98, 3-34.	1.1	6
6	The NAC transcription factor FaRIF controls fruit ripening in strawberry. Plant Cell, 2021, 33, 1574-1593.	6.6	95
7	Cytochrome c Deficiency Differentially Affects the In Vivo Mitochondrial Electron Partitioning and Primary Metabolism Depending on the Photoperiod. Plants, 2021, 10, 444.	3.5	3
8	Synaptotagmins at the endoplasmic reticulumâ€“plasma membrane contact sites maintain diacylglycerol homeostasis during abiotic stress. Plant Cell, 2021, 33, 2431-2453.	6.6	41
9	Profiling Volatile Compounds in Blackcurrant Fruit using Headspace Solid-Phase Microextraction Coupled to Gas Chromatography-Mass Spectrometry. Journal of Visualized Experiments, 2021, , .	0.3	2
10	Metabolomics-Based Evaluation of Crop Quality Changes as a Consequence of Climate Change. Metabolites, 2021, 11, 461.	2.9	8
11	Combining metabolomic and transcriptomic approaches to assess and improve crop quality traits. CABI Agriculture and Bioscience, 2021, 2, .	2.4	19
12	Genetic and metabolic effects of ripening mutations and vine detachment on tomato fruit quality. Plant Biotechnology Journal, 2020, 18, 106-118.	8.3	39
13	Multifaceted regulatory function of tomato SlTAF1 in the response to salinity stress. New Phytologist, 2020, 225, 1681-1698.	7.3	42
14	Characterizing the involvement of <i>FaMADS9</i> in the regulation of strawberry fruit receptacle development. Plant Biotechnology Journal, 2020, 18, 929-943.	8.3	25
15	Genetic analysis of phenylpropanoids and antioxidant capacity in strawberry fruit reveals mQTL hotspots and candidate genes. Scientific Reports, 2020, 10, 20197.	3.3	16
16	Multi-gene metabolic engineering of tomato plants results in increased fruit yield up to 23%. Scientific Reports, 2020, 10, 17219.	3.3	15
17	Metabolite Changes during Postharvest Storage: Effects on Fruit Quality Traits. Metabolites, 2020, 10, 187.	2.9	68
18	Quantitative trait loci analysis of seedâ€specialized metabolites reveals seedâ€specific flavonols and differential regulation of glycoalkaloid content in tomato. Plant Journal, 2020, 103, 2007-2024.	5.7	32

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19	Non-Targeted Metabolite Profiles and Sensory Properties Elucidate Commonalities and Differences of Wines Made with the Same Variety but Different Cultivar Clones. Metabolites, 2020, 10, 220.	2.9	7
20	Flux balance analysis of metabolism during growth by osmotic cell expansion and its application to tomato fruits. Plant Journal, 2020, 103, 68-82.	5.7	26
21	Network Analysis Provides Insight into Tomato Lipid Metabolism. Metabolites, 2020, 10, 152.	2.9	10
22	Metabolic reconfiguration of strawberry physiology in response to postharvest practices. Food Chemistry, 2020, 321, 126747.	8.2	34
23	Allelic Variation of <i>MYB10</i> Is the Major Force Controlling Natural Variation in Skin and Flesh Color in Strawberry (<i>Fragaria</i> spp.) Fruit. Plant Cell, 2020, 32, 3723-3749.	6.6	111
24	Sugar Signaling During Fruit Ripening. Frontiers in Plant Science, 2020, 11, 564917.	3.6	98
25	From Central to Specialized Metabolism: An Overview of Some Secondary Compounds Derived From the Primary Metabolism for Their Role in Conferring Nutritional and Organoleptic Characteristics to Fruit. Frontiers in Plant Science, 2019, 10, 835.	3.6	204
26	The immune repressor BIR1 contributes to antiviral defense and undergoes transcriptional and postâ€transcriptional regulation during viral infections. New Phytologist, 2019, 224, 421-438.	7.3	16
27	Growth and metabolic adjustments in response to gibberellin deficiency in drought stressed tomato plants. Environmental and Experimental Botany, 2019, 159, 95-107.	4.2	41
28	Organic Acids. , 2019, , 207-224.		20
29	Identification of quantitative trait loci and candidate genes for primary metabolite content in strawberry fruit. Horticulture Research, 2019, 6, 4.	6.3	24
30	Differential root and shoot responses in the metabolism of tomato plants exhibiting reduced levels of gibberellin. Environmental and Experimental Botany, 2019, 157, 331-343.	4.2	16
31	Genetic diversity of strawberry germplasm using metabolomic biomarkers. Scientific Reports, 2018, 8, 14386.	3.3	46
32	Acquisition of Volatile Compounds by Gas Chromatographyâ€"Mass Spectrometry (GC-MS). Methods in Molecular Biology, 2018, 1778, 225-239.	0.9	20
33	Fruit Ripening and QTL for Fruit Quality in the Octoploid Strawberry. Compendium of Plant Genomes, 2018, , 95-113.	0.5	2
34	Gene expression atlas of fruit ripening and transcriptome assembly from RNA-seq data in octoploid strawberry (Fragariaâ€‰Ã—â€‰ananassa). Scientific Reports, 2017, 7, 13737.	3.3	95
35	Virulence determines beneficial tradeâ€offs in the response of virusâ€infected plants to drought via induction of salicylic acid. Plant, Cell and Environment, 2017, 40, 2909-2930.	5.7	49
36	Postharvest changes in LIN5-down-regulated plants suggest a role for sugar deficiency in cuticle metabolism during ripening. Phytochemistry, 2017, 142, 11-20.	2.9	23

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37	Transcriptomic Analysis in Strawberry Fruits Reveals Active Auxin Biosynthesis and Signaling in the Ripe Receptacle. Frontiers in Plant Science, 2017, 8, 889.	3.6	55
38	Influence of plant growth regulators on Expansin2 expression in strawberry fruit. Cloning and functional analysis of FaEXP2 promoter region. Postharvest Biology and Technology, 2016, 114, 17-28.	6.0	19
39	Simultaneous Determination of Plant Hormones by GC-TOF-MS. Methods in Molecular Biology, 2016, 1363, 229-237.	0.9	9
40	Central role of <i>Fa<scp>GAMYB</scp></i> in the transition of the strawberry receptacle from development to ripening. New Phytologist, 2015, 208, 482-496.	7.3	62
41	Abiotic stresses differentially affect the expression of O-methyltransferase genes related to methoxypyrazine biosynthesis in seeded and parthenocarpic fruits of Vitis vinifera (L.). Food Chemistry, 2014, 154, 117-126.	8.2	11
42	Extraction and Measurement the Activities of Cytosolic Phosphoenolpyruvate Carboxykinase (PEPCK) and Plastidic NADP-dependent Malic Enzyme (ME) on Tomato (Solanum lycopersicum). Bio-protocol, 2014, 4, .	0.4	2
43	Ethylene is involved in strawberry fruit ripening in an organ-specific manner. Journal of Experimental Botany, 2013, 64, 4421-4439.	4.8	111
44	Alteration of the Interconversion of Pyruvate and Malate in the Plastid or Cytosol of Ripening Tomato Fruit Invokes Diverse Consequences on Sugar But Similar Effects on Cellular Organic Acid, Metabolism, and Transitory Starch Accumulation Â Â. Plant Physiology, 2013, 161, 628-643.	4.8	78
45	Signaling role of oligogalacturonides derived during cell wall degradation. Plant Signaling and Behavior, 2012, 7, 1447-1449.	2.4	26
46	Biosynthesis of Methoxypyrazines: Elucidating the Structural/Functional Relationship of Two <i>Vitis vinifera</i><i>O</i>-Methyltransferases Capable of Catalyzing the Putative Final Step of the Biosynthesis of 3-Alkyl-2-Methoxypyrazine.. Journal of Agricultural and Food Chemistry, 2011, 59, 7310-7316.	5.2	23