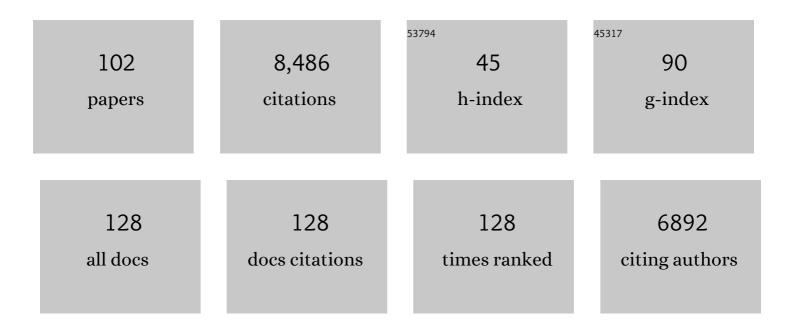
List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Plant Transcriptome Reprograming and Bacterial Extracellular Metabolites Underlying Tomato Drought Resistance Triggered by a Beneficial Soil Bacteria. Metabolites, 2021, 11, 369.	2.9	23
2	Differential Association of Free, Conjugated, and Bound Forms of Polyamines and Transcript Abundance of Their Biosynthetic and Catabolic Genes During Drought/Salinity Stress in Tomato (Solanum lycopersicum L.) Leaves. Frontiers in Plant Science, 2021, 12, 743568.	3.6	8
3	Polyamines and Their Biosynthesis/Catabolism Genes Are Differentially Modulated in Response to Heat Versus Cold Stress in Tomato Leaves (Solanum lycopersicum L.). Cells, 2020, 9, 1749.	4.1	29
4	Engineered Ripening-Specific Accumulation of Polyamines Spermidine and Spermine in Tomato Fruit Upregulates Clustered C/D Box snoRNA Gene Transcripts in Concert with Ribosomal RNA Biogenesis in the Red Ripe Fruit. Plants, 2020, 9, 1710.	3.5	5
5	Fruit Architecture in Polyamine-Rich Tomato Germplasm Is Determined via a Medley of Cell Cycle, Cell Expansion, and Fruit Shape Genes. Plants, 2019, 8, 387.	3.5	14
6	Nexus Between Spermidine and Floral Organ Identity and Fruit/Seed Set in Tomato. Frontiers in Plant Science, 2019, 10, 1033.	3.6	12
7	Transcript Abundance Patterns of 9- and 13-Lipoxygenase Subfamily Gene Members in Response to Abiotic Stresses (Heat, Cold, Drought or Salt) in Tomato (Solanum lycopersicum L.) Highlights Member-Specific Dynamics Relevant to Each Stress. Genes, 2019, 10, 683.	2.4	40
8	Critical function of DNA methyltransferase 1 in tomato development and regulation of the DNA methylome and transcriptome. Journal of Integrative Plant Biology, 2019, 61, 1224-1242.	8.5	49
9	Application of Hexanal-containing Compositions and Its Effect on Shelf-life and Quality of Banana Varieties in Kenya. , 2018, , 191-198.		0
10	Functional analysis of tomato rhamnogalacturonan lyase gene Solyc11g011300 during fruit development and ripening. Journal of Plant Physiology, 2018, 231, 31-40.	3.5	20
11	Polyamines: Bio-Molecules with Diverse Functions in Plant and Human Health and Disease. Frontiers in Chemistry, 2018, 6, 10.	3.6	183
12	Functional analysis of a tomato (Solanum lycopersicum L.) rhamnogalacturonan lyase promoter. Journal of Plant Physiology, 2018, 229, 175-184.	3.5	7
13	Critical roles of DNA demethylation in the activation of ripening-induced genes and inhibition of ripening-repressed genes in tomato fruit. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E4511-E4519.	7.1	342
14	Pathogenesis-Related Protein 1b1 (PR1b1) Is a Major Tomato Fruit Protein Responsive to Chilling Temperature and Upregulated in High Polyamine Transgenic Genotypes. Frontiers in Plant Science, 2016, 7, 901.	3.6	61
15	Fruit metabolite networks in engineered and non-engineered tomato genotypes reveal fluidity in a hormone and agroecosystem specific manner. Metabolomics, 2016, 12, 103.	3.0	21
16	Polyamine Interactions with Plant Hormones: Crosstalk at Several Levels. , 2015, , 267-302.		49
17	Genetic introgression of ethylene-suppressed transgenic tomatoes with higher-polyamines trait overcomes many unintended effects due to reduced ethylene on the primary metabolome. Frontiers in Plant Science, 2014, 5, 632.	3.6	23
18	Enhanced flux of substrates into polyamine biosynthesis but not ethylene in tomato fruit engineered with yeast S-adenosylmethionine decarboxylase gene. Amino Acids, 2014, 46, 729-742.	2.7	46

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19	Functional Foods: Genetics, Metabolome, and Engineering Phytonutrient Levels. , 2013, , 1715-1749.		7
20	Polyamines Attenuate Ethylene-Mediated Defense Responses to Abrogate Resistance to <i>Botrytis cinerea</i> in Tomato Â. Plant Physiology, 2012, 158, 1034-1045.	4.8	111
21	Fruit development and ripening. , 2012, , 405-424.		12
22	Role of pectin methylesterases in cellular calcium distribution and blossomâ€end rot development in tomato fruit. Plant Journal, 2012, 71, 824-835.	5.7	83
23	Methyl jasmonate deficiency alters cellular metabolome, including the aminome of tomato (Solanum) Tj ETQq1	1 0,784314 2.7	4 rgBT /Over
24	Hot Water Treatment Delays Ripening-associated Metabolic Shift in â€~Okrong' Mango Fruit during Storage. Journal of the American Society for Horticultural Science, 2011, 136, 441-451.	1.0	28
25	Polyamines and cellular metabolism in plants: transgenic approaches reveal different responses to diamine putrescine versus higher polyamines spermidine and spermine. Amino Acids, 2010, 38, 405-413.	2.7	142
26	Differential and functional interactions emphasize the multiple roles of polyamines in plants. Plant Physiology and Biochemistry, 2010, 48, 540-546.	5.8	126
27	Overexpression of yeast spermidine synthase impacts ripening, senescence and decay symptoms in tomato. Plant Journal, 2010, 63, 836-847.	5.7	120
28	Genetic Engineering to Enhance Crop-Based Phytonutrients (Nutraceuticals) to Alleviate Diet-Related Diseases. Advances in Experimental Medicine and Biology, 2010, 698, 122-143.	1.6	24
29	Glutathione Peroxidase Regulation of Reactive Oxygen Species Level is Crucial for In Vitro Plant Differentiation. Plant and Cell Physiology, 2010, 51, 1151-1162.	3.1	53
30	Maturity and ripening-stage specific modulation of tomato (<i>Solanum lycopersicum</i>) fruit transcriptome. GM Crops, 2010, 1, 237-249.	1.9	20
31	Biotechnological Interventions to Improve Plant Developmental Traits. , 2010, , 199-248.		4
32	Higher polyamines restore and enhance metabolic memory in ripening fruit. Plant Science, 2008, 174, 386-393.	3.6	84
33	A field-grown transgenic tomato line expressing higher levels of polyamines reveals legume cover crop mulch-specific perturbations in fruit phenotype at the levels of metabolite profiles, gene expression, and agronomic characteristics. Journal of Experimental Botany, 2008, 59, 2337-2346.	4.8	39
34	Polyamines as anabolic growth regulators revealed by transcriptome analysis and metabolite profiles of tomato fruits engineered to accumulate spermidine and spermine. Plant Biotechnology, 2007, 24, 57-70.	1.0	38
35	Overaccumulation of Higher Polyamines in Ripening Transgenic Tomato Fruit Revives Metabolic Memory, Upregulates Anabolism-Related Genes, and Positively Impacts Nutritional Quality. Journal of AOAC INTERNATIONAL, 2007, 90, 1456-1464.	1.5	45
36	Polyamines crossâ€ŧalk with phospholipase A2 to regulate gene expression in tomato fruit and other plant models. FASEB Journal, 2007, 21, A1044.	0.5	1

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37	Overaccumulation of higher polyamines in ripening transgenic tomato fruit revives metabolic memory, upregulates anabolism-related genes, and positively impacts nutritional quality. Journal of AOAC INTERNATIONAL, 2007, 90, 1456-64.	1.5	20
38	Nuclear Magnetic Resonance Spectroscopy-Based Metabolite Profiling of Transgenic Tomato Fruit Engineered to Accumulate Spermidine and Spermine Reveals Enhanced Anabolic and Nitrogen-Carbon Interactions. Plant Physiology, 2006, 142, 1759-1770.	4.8	141
39	Hormonal Regulation of Tomato Fruit Development: A Molecular Perspective. Journal of Plant Growth Regulation, 2005, 24, 67-82.	5.1	258
40	Meiotic Reestablishment of Post-Transcriptional Gene Silencing is Regulated by Aberrant RNA Formation in Tomato (Lycopersicon esculentum cv. Mill.). Molecular Breeding, 2005, 16, 139-149.	2.1	3
41	Ethylene Signaling in Plant Cell Death. , 2004, , 125-142.		12
42	A Novel Small Heat Shock Protein Gene, vis1, Contributes to Pectin Depolymerization and Juice Viscosity in Tomato Fruit. Plant Physiology, 2003, 131, 725-735.	4.8	63
43	Engineered polyamine accumulation in tomato enhances phytonutrient content, juice quality, and vine life. Nature Biotechnology, 2002, 20, 613-618.	17.5	352
44	Interaction between the tobacco mosaic virus movement protein and host cell pectin methylesterases is required for viral cell-to-cell movement. EMBO Journal, 2000, 19, 913-920.	7.8	306
45	Post-transcriptional silencing of pectin methylesterase gene in transgenic tomato fruits results from impaired pre-mRNA processing. Plant Journal, 1998, 14, 583-592.	5.7	28
46	Pectin Methylesterase Regulates Methanol and Ethanol Accumulation in Ripening Tomato (Lycopersicon esculentum) Fruit. Journal of Biological Chemistry, 1998, 273, 4293-4295.	3.4	100
47	Characterization and Functional Expression of a Ubiquitously Expressed Tomato Pectin Methylesterase. Plant Physiology, 1997, 114, 1547-1556.	4.8	112
48	Molecular Cloning of a Ripening-Specific Lipoxygenase and Its Expression during Wild-Type and Mutant Tomato Fruit Development. Plant Physiology, 1997, 113, 1041-1050.	4.8	59
49	ldentification of a Pathogenicity Locus, rpfA, in Erwinia carotovora subsp. carotovora That Encodes a Two-Component Sensor-Regulator Protein. Molecular Plant-Microbe Interactions, 1997, 10, 407-415.	2.6	49
50	Chemistry and uses of pectin — A review. Critical Reviews in Food Science and Nutrition, 1997, 37, 47-73.	10.3	1,182
51	Effect of an Antisense Pectin Methylesterase Gene on the Chemistry of Pectin in Tomato (Lycopersiconesculentum) Juiceâ€. Journal of Agricultural and Food Chemistry, 1996, 44, 628-630.	5.2	31
52	EFFECT OF ADDED SOY PROTEIN ON THE QUALITY OF TOMATO SAUCE. Journal of Food Processing and Preservation, 1996, 20, 169-176.	2.0	8
53	Tomato Product Quality from Transgenic Fruits with Reduced Pectin Methylesterase. Journal of Food Science, 1996, 61, 85-87.	3.1	49
54	Molecular Cloning and Characterization of Genes Expressed during Early Tomato (Lycopersicon) Tj ETQq0 0 0 rgB1	T /Overlocl 1.0	k 10 Tf 50 6 18

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55	Differential regulation of polygalacturonase and pectin methylesterase gene expression during and after heat stress in ripening tomato (Lycopersicon esculentum Mill.) fruits. Plant Molecular Biology, 1995, 29, 1101-1110.	3.9	37
56	Molecular Cloning and Nucleotide Sequence of a Lipoxygenase cDNA from Ripening Tomato Fruit. Plant Physiology, 1995, 107, 669-670.	4.8	9
57	Impaired Wound Induction of 3-Deoxy-D-arabino-heptulosonate-7-phosphate (DAHP) Synthase and Altered Stem Development in Transgenic Potato Plants Expressing a DAHP Synthase Antisense Construct. Plant Physiology, 1995, 108, 1413-1421.	4.8	38
58	Field Performance of Transgenic Tomato with Reduced Pectin Methylesterase Activity. Journal of the American Society for Horticultural Science, 1995, 120, 765-770.	1.0	16
59	Reduction in Pectin Methylesterase Activity Modifies Tissue Integrity and Cation Levels in Ripening Tomato (Lycopersicon esculentum Mill.) Fruits. Plant Physiology, 1994, 106, 429-436.	4.8	191
60	Differential expression of tomato (Lycopersicon esculentum L.) genes encoding shikimate pathway isoenzymes. I. 3-Deoxy-D-arabino-heptulosonate 7-phosphate synthase. Plant Molecular Biology, 1993, 23, 697-706.	3.9	48
61	An Antisense Pectin Methylesterase Gene Alters Pectin Chemistry and Soluble Solids in Tomato Fruit. Plant Cell, 1992, 4, 667.	6.6	75
62	An Antisense Pectin Methylesterase Gene Alters Pectin Chemistry and Soluble Solids in Tomato Fruit Plant Cell, 1992, 4, 667-679.	6.6	238
63	Light and Fungal Elicitor Induce 3-Deoxy-d-arabino-Heptulosonate 7-Phosphate Synthase mRNA in Suspension Cultured Cells of Parsley (Petroselinum crispum L.). Plant Physiology, 1992, 98, 761-763.	4.8	56
64	PHYSIOLOGICAL AND HERITABLE CHANGES IN CYCLIC AMP LEVELS ASSOCIATED WITH CHANGES IN FLAGELLAR FORMATION IN CHLAMYDOMONAS REINHARDTII (CHLOROPHYTA)1. Journal of Phycology, 1991, 27, 587-591.	2.3	7
65	Molecular Cloning of Tomato Pectin Methylesterase Gene and its Expression in Rutgers, Ripening Inhibitor, Nonripening, and Never Ripe Tomato Fruits. Plant Physiology, 1991, 97, 80-87.	4.8	131
66	Temporal Regulation of Polygalacturonase Gene Expression in Fruits of Normal, Mutant, and Heterozygous Tomato Genotypes. Plant Physiology, 1989, 89, 117-125.	4.8	54
67	Effect of Ethylene Action Inhibitors upon Wound-Induced Gene Expression in Tomato Pericarp. Plant Physiology, 1989, 91, 157-162.	4.8	25
68	Immunocytolocalization of Polygalacturonase in Ripening Tomato Fruit. Plant Physiology, 1989, 90, 17-20.	4.8	45
69	Wounding induces the first enzyme of the shikimate pathway in Solanaceae. Proceedings of the National Academy of Sciences of the United States of America, 1989, 86, 7370-7373.	7.1	136
70	Biochemical basis of highâ€ŧemperature inhibition of ethylene biosynthesis in ripening tomato fruits. Physiologia Plantarum, 1988, 72, 572-578.	5.2	104
71	Characterization of Osmotin. Plant Physiology, 1987, 85, 529-536.	4.8	446
72	Hormonal regulation of protein synthesis associated with salt tolerance in plant cells. Proceedings of the National Academy of Sciences of the United States of America, 1987, 84, 739-743.	7.1	169

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73	Immuno slot-blot assay using a membrane which covalently binds protein. Journal of Immunological Methods, 1987, 101, 133-139.	1.4	20
74	Solute Accumulation in Tobacco Cells Adapted to NaCl. Plant Physiology, 1987, 84, 1408-1415.	4.8	168
75	Changes in Protein Patterns and In Vivo Protein Synthesis during Presenescence and Senescence of Hibiscus Petals. Journal of Plant Physiology, 1987, 128, 67-75.	3.5	28
76	Studies on Inc-P plasmids inErwinia carotovorasubsp.carotovora. FEMS Microbiology Letters, 1986, 35, 307-312.	1.8	0
77	Changes in Gene Expression during Tomato Fruit Ripening. Plant Physiology, 1986, 81, 395-403.	4.8	79
78	Proline Accumulation and the Adaptation of Cultured Plant Cells to Water Stress. Plant Physiology, 1986, 80, 938-945.	4.8	214
79	Effect of tunicamycin on in vitro ripening of tomato pericarp tissue. Physiologia Plantarum, 1985, 63, 417-424.	5.2	22
80	Adenylate cyclase from the phytopathogenic fungusAlternaria solani. FEMS Microbiology Letters, 1985, 27, 313-318.	1.8	4
81	Behavior of bacteriophage P1 inErwinia carotovora subsp.carotovora. Current Microbiology, 1985, 12, 73-78.	2.2	2
82	Adaptation of Tobacco Cells to NaCl. Plant Physiology, 1985, 79, 118-125.	4.8	164
83	Proteins Associated with Adaptation of Cultured Tobacco Cells to NaCl. Plant Physiology, 1985, 79, 126-137.	4.8	252
84	Abscisic Acid Accelerates Adaptation of Cultured Tobacco Cells to Salt. Plant Physiology, 1985, 79, 138-142.	4.8	89
85	Effects of a mutation that eliminates UDP glucose-pyrophosphorylase on the pathogenicity of Erwinia carotovora subsp. carotovora. Journal of Bacteriology, 1985, 164, 473-476.	2.2	13
86	Mutagenesis of Erwinia carotovora subsp. carotovora with bacteriophage Mu d1 (Apr lac cts62): construction of his-lac gene fusions. Journal of Bacteriology, 1984, 158, 764-766.	2.2	20
87	Occurrence of cyclic adenosine 3?,5?-monophosphate in the phytopathogenic fungi Alternaria solani and Phymatotrichum omnivorum. Archives of Microbiology, 1983, 135, 125-129.	2.2	1
88	Solutes Contributing to Osmotic Adjustment in Cultured Plant Cells Adapted to Water Stress. Plant Physiology, 1983, 73, 834-843.	4.8	185
89	Clonal Variation for Tolerance to Polyethylene Glycol-Induced Water Stress in Cultured Tomato Cells. Plant Physiology, 1983, 72, 645-653.	4.8	37
90	Characteristics of Cultured Tomato Cells after Prolonged Exposure to Medium Containing Polyethylene Glycol. Plant Physiology, 1982, 69, 514-521.	4.8	73

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91	Growth and Water Relations of Cultured Tomato Cells after Adjustment to Low External Water Potentials. Plant Physiology, 1982, 70, 1303-1309.	4.8	60
92	Use of plant cell cultures to study production and phytotoxicity of Alternaria solani toxin(s). Physiological Plant Pathology, 1982, 21, 295-309.	1.4	15
93	Resistance of cultured higher plant cells to polyethylene glycol-induced water stress. Plant Science Letters, 1981, 21, 23-30.	1.8	106
94	Association of Formation and Release of Cyclic AMP with Glucose Depletion and Onset of Chlorophyll Synthesis in Poterioochromonas malhamensis. Plant Physiology, 1981, 68, 460-463.	4.8	14
95	Synthesis and release of adenosine 3′: 5′-cyclic monophosphate by Chlamydomonas reinhardtii. Phytochemistry, 1980, 19, 2089-2093.	2.9	15
96	Assay of adenosine 3′, 5′ cyclic monophosphate by stimulation of protein kinase: A method not involving radioactivity. Analytical Biochemistry, 1980, 102, 332-339.	2.4	12
97	Growth characteristics of NaCl-selected and nonselected cells of Nicotiana tabacum L Plant and Cell Physiology, 1980, 21, 1347-1355.	3.1	112
98	Synthesis and Release of Cyclic Adenosine 3′:5′-Monophosphate by Ochromonas malhamensis. Plant Physiology, 1980, 65, 165-170.	4.8	26
99	Involvement of cyclic adenosine-3?, 5?-monophosphate in chloronema differentiation in protonema cultures of Funaria hygrometrica. Planta, 1979, 144, 317-324.	3.2	25
100	Effect of nitrogen starvation on the level of adenosine 3′,5′-monophosphate in Anabaena variabilis. Biochimica Et Biophysica Acta - General Subjects, 1979, 588, 193-200.	2.4	41
101	Synthesis and processing of maize storage proteins in Xenopus laevis oocytes. Proceedings of the National Academy of Sciences of the United States of America, 1979, 76, 6448-6452.	7.1	84
102	Cyclic Adenosine 3′:5′-Monophosphate in Moss Protonema. Plant Physiology, 1977, 59, 490-496.	4.8	41