

Natalia Dudareva

List of Publications by Year in descending order

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143
papers

18,021
citations

17405

63
h-index

13727

129
g-index

153
all docs

153
docs citations

153
times ranked

14258
citing authors

#	ARTICLE	IF	CITATIONS
1	The function of terpene natural products in the natural world. <i>Nature Chemical Biology</i> , 2007, 3, 408-414.	3.9	1,564
2	Biosynthesis, function and metabolic engineering of plant volatile organic compounds. <i>New Phytologist</i> , 2013, 198, 16-32.	3.5	1,109
3	The Shikimate Pathway and Aromatic Amino Acid Biosynthesis in Plants. <i>Annual Review of Plant Biology</i> , 2012, 63, 73-105.	8.6	1,025
4	Plant Volatiles: Recent Advances and Future Perspectives. <i>Critical Reviews in Plant Sciences</i> , 2006, 25, 417-440.	2.7	1,008
5	Biochemistry of Plant Volatiles: Figure 1.. <i>Plant Physiology</i> , 2004, 135, 1893-1902.	2.3	873
6	Biosynthesis of Plant Volatiles: Nature's Diversity and Ingenuity. <i>Science</i> , 2006, 311, 808-811.	6.0	766
7	From The Cover: The nonmevalonate pathway supports both monoterpene and sesquiterpene formation in snapdragon flowers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 933-938.	3.3	447
8	An Investigation of the Storage and Biosynthesis of Phenylpropenes in Sweet Basil. <i>Plant Physiology</i> , 2001, 125, 539-555.	2.3	432
9	Biochemical and Molecular Genetic Aspects of Floral Scents. <i>Plant Physiology</i> , 2000, 122, 627-634.	2.3	409
10	(E)- β -Ocimene and Myrcene Synthase Genes of Floral Scent Biosynthesis in Snapdragon: Function and Expression of Three Terpene Synthase Genes of a New Terpene Synthase Subfamily. <i>Plant Cell</i> , 2003, 15, 1227-1241.	3.1	397
11	Understanding in Vivo Benzenoid Metabolism in Petunia Petal Tissue. <i>Plant Physiology</i> , 2004, 135, 1993-2011.	2.3	384
12	Floral volatiles: from biosynthesis to function. <i>Plant, Cell and Environment</i> , 2014, 37, 1936-1949.	2.8	354
13	Evolution of floral scent in <i>Clarkia</i> : novel patterns of S-linalool synthase gene expression in the <i>C. breweri</i> flower.. <i>Plant Cell</i> , 1996, 8, 1137-1148.	3.1	335
14	Eugenol and isoeugenol, characteristic aromatic constituents of spices, are biosynthesized via reduction of a coniferyl alcohol ester. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 10128-10133.	3.3	323
15	Insight into the evolution of the Solanaceae from the parental genomes of <i>Petunia hybrida</i> . <i>Nature Plants</i> , 2016, 2, 16074.	4.7	311
16	A Familiar Ring to It: Biosynthesis of Plant Benzoic Acids. <i>Molecular Plant</i> , 2015, 8, 83-97.	3.9	298
17	Developmental Regulation of Methyl Benzoate Biosynthesis and Emission in Snapdragon Flowers. <i>Plant Cell</i> , 2000, 12, 949-961.	3.1	279
18	Plant Phenylacetaldehyde Synthase Is a Bifunctional Homotetrameric Enzyme That Catalyzes Phenylalanine Decarboxylation and Oxidation*. <i>Journal of Biological Chemistry</i> , 2006, 281, 23357-23366.	1.6	257

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19	Regulation of Circadian Methyl Benzoate Emission in Diurnally and Nocturnally Emitting Plants. <i>Plant Cell</i> , 2001, 13, 2333-2347.	3.1	215
20	Metabolic engineering of plant volatiles. <i>Current Opinion in Biotechnology</i> , 2008, 19, 181-189.	3.3	214
21	Regulation of Methylbenzoate Emission after Pollination in Snapdragon and Petunia Flowers. <i>Plant Cell</i> , 2003, 15, 2992-3006.	3.1	211
22	Acetyl-CoA:benzylalcohol acetyltransferase – an enzyme involved in floral scent production in <i>Clarkia breweri</i> . <i>Plant Journal</i> , 1998, 14, 297-304.	2.8	204
23	Emission of volatile organic compounds from petunia flowers is facilitated by an ABC transporter. <i>Science</i> , 2017, 356, 1386-1388.	6.0	202
24	Two nearly identical terpene synthases catalyze the formation of nerolidol and linalool in snapdragon flowers. <i>Plant Journal</i> , 2008, 55, 224-239.	2.8	194
25	An alternative pathway contributes to phenylalanine biosynthesis in plants via a cytosolic tyrosine:phenylpyruvate aminotransferase. <i>Nature Communications</i> , 2013, 4, 2833.	5.8	184
26	Formation of Monoterpenes in <i>Antirrhinum majus</i> and <i>Clarkia breweri</i> Flowers Involves Heterodimeric Geranyl Diphosphate Synthases. <i>Plant Cell</i> , 2004, 16, 977-992.	3.1	162
27	Completion of the core β -oxidative pathway of benzoic acid biosynthesis in plants. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 16383-16388.	3.3	154
28	Rethinking how volatiles are released from plant cells. <i>Trends in Plant Science</i> , 2015, 20, 545-550.	4.3	153
29	Reduction of Benzenoid Synthesis in Petunia Flowers Reveals Multiple Pathways to Benzoic Acid and Enhancement in Auxin Transport. <i>Plant Cell</i> , 2007, 18, 3458-3475.	3.1	151
30	RNAi Suppression of Arogenate Dehydratase Reveals That Phenylalanine Is Synthesized Predominantly via the Arogenate Pathway in Petunia Petals. <i>Plant Cell</i> , 2010, 22, 832-849.	3.1	146
31	Floral Scent Production in <i>Clarkia breweri</i> (Onagraceae) (II. Localization and Developmental) <i>Journal of Experimental Botany</i> , 2010, 61, 107-117.	2.3	140
32	Cellular and Subcellular Localization of S-Adenosyl-L-Methionine:Benzoic Acid Carboxyl Methyltransferase, the Enzyme Responsible for Biosynthesis of the Volatile Ester Methylbenzoate in Snapdragon Flowers. <i>Plant Physiology</i> , 2001, 126, 956-964.	2.3	138
33	Regulation of Circadian Methyl Benzoate Emission in Diurnally and Nocturnally Emitting Plants. <i>Plant Cell</i> , 2001, 13, 2333-2347.	3.1	138
34	Two terpene synthases are responsible for the major sesquiterpenes emitted from the flowers of kiwifruit (<i>Actinidia deliciosa</i>). <i>Journal of Experimental Botany</i> , 2009, 60, 3203-3219.	2.4	136
35	Prephenate aminotransferase directs plant phenylalanine biosynthesis via arogenate. <i>Nature Chemical Biology</i> , 2011, 7, 19-21.	3.9	134
36	Characterization of a petunia acetyltransferase involved in the biosynthesis of the floral volatile isoeugenol. <i>Plant Journal</i> , 2007, 49, 265-275.	2.8	133

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37	Contribution of CoA Ligases to Benzenoid Biosynthesis in Petunia Flowers. <i>Plant Cell</i> , 2012, 24, 2015-2030.	3.1	127
38	Intensity and the ratios of compounds in the scent of snapdragon flowers affect scent discrimination by honeybees (<i>Apis mellifera</i>). <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 2005, 191, 105-114.	0.7	122
39	Structure and Evolution of Linalool Synthase. <i>Molecular Biology and Evolution</i> , 1998, 15, 1491-1498.	3.5	119
40	Floral benzenoid carboxyl methyltransferases: From in vitro to in planta function. <i>Phytochemistry</i> , 2005, 66, 1211-1230.	1.4	113
41	Cytosolic monoterpene biosynthesis is supported by plastid-generated geranyl diphosphate substrate in transgenic tomato fruits. <i>Plant Journal</i> , 2013, 75, 351-363.	2.8	109
42	Phylogenomic Mining of the Mints Reveals Multiple Mechanisms Contributing to the Evolution of Chemical Diversity in Lamiaceae. <i>Molecular Plant</i> , 2018, 11, 1084-1096.	3.9	109
43	Scent engineering: toward the goal of controlling how flowers smell. <i>Trends in Biotechnology</i> , 2007, 25, 105-110.	4.9	107
44	Interlinking showy traits: co-engineering of scent and colour biosynthesis in flowers. <i>Plant Biotechnology Journal</i> , 2008, 6, 403-415.	4.1	103
45	Completion of the cytosolic post-chorismate phenylalanine biosynthetic pathway in plants. <i>Nature Communications</i> , 2019, 10, 15.	5.8	103
46	A recruiting protein of geranylgeranyl diphosphate synthase controls metabolic flux toward chlorophyll biosynthesis in rice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 6866-6871.	3.3	101
47	Contribution of isopentenyl phosphate to plant terpenoid metabolism. <i>Nature Plants</i> , 2018, 4, 721-729.	4.7	100
48	Plant Volatiles: Going "In" but not "Out" of Trichome Cavities. <i>Trends in Plant Science</i> , 2017, 22, 930-938.	3.8	97
49	The challenges of cellular compartmentalization in plant metabolic engineering. <i>Current Opinion in Biotechnology</i> , 2013, 24, 239-246.	3.3	95
50	Floral Scent Production in <i>Clarkia breweri</i> . <i>Plant Physiology</i> , 1998, 116, 599-604.	2.3	91
51	The Small Subunit of Snapdragon Geranyl Diphosphate Synthase Modifies the Chain Length Specificity of Tobacco Geranylgeranyl Diphosphate Synthase in Planta. <i>Plant Cell</i> , 2010, 21, 4002-4017.	3.1	91
52	Purification and Characterization of S-Adenosyl-methionine:Benzoic Acid Carboxyl Methyltransferase, the Enzyme Responsible for Biosynthesis of the Volatile Ester Methyl Benzoate in Flowers of <i>Antirrhinum majus</i> . <i>Archives of Biochemistry and Biophysics</i> , 2000, 382, 145-151.	1.4	90
53	Generation of Phenylpropanoid Pathway-Derived Volatiles in Transgenic Plants: Rose Alcohol Acetyltransferase Produces Phenylethyl Acetate and Benzyl Acetate in Petunia Flowers. <i>Plant Molecular Biology</i> , 2006, 60, 555-563.	2.0	89
54	Involvement of snapdragon benzaldehyde dehydrogenase in benzoic acid biosynthesis. <i>Plant Journal</i> , 2009, 59, 256-265.	2.8	87

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55	Structural Studies of Cinnamoyl-CoA Reductase and Cinnamyl-Alcohol Dehydrogenase, Key Enzymes of Monolignol Biosynthesis. <i>Plant Cell</i> , 2014, 26, 3709-3727.	3.1	85
56	The Origin and Biosynthesis of the Benzenoid Moiety of Ubiquinone (Coenzyme Q) in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2014, 26, 1938-1948.	3.1	80
57	Benzoylation and sinapoylation of glucosinolate R ^o groups in <i>Arabidopsis</i> . <i>Plant Journal</i> , 2012, 72, 411-422.	2.8	78
58	The multiple phenylpropene synthases in both <i>Clarkia breweri</i> and <i>Petunia hybrida</i> represent two distinct protein lineages. <i>Plant Journal</i> , 2008, 54, 362-374.	2.8	76
59	Identification of a plastidial phenylalanine exporter that influences flux distribution through the phenylalanine biosynthetic network. <i>Nature Communications</i> , 2015, 6, 8142.	5.8	76
60	Orthologs of the archaeal isopentenyl phosphate kinase regulate terpenoid production in plants. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 10050-10055.	3.3	74
61	Developmental Changes in the Metabolic Network of Snapdragon Flowers. <i>PLoS ONE</i> , 2012, 7, e40381.	1.1	72
62	Novel S-adenosyl-L-methionine:salicylic acid carboxyl methyltransferase, an enzyme responsible for biosynthesis of methyl salicylate and methyl benzoate, is not involved in floral scent production in snapdragon flowers. <i>Archives of Biochemistry and Biophysics</i> , 2002, 406, 261-270.	1.4	71
63	Cuticle characteristics and volatile emissions of petals in <i>Antirrhinum majus</i> . <i>Physiologia Plantarum</i> , 2003, 117, 435-443.	2.6	70
64	The evolutionary origins of the cat attractant nepetalactone in catnip. <i>Science Advances</i> , 2020, 6, eaba0721.	4.7	70
65	Evolution of Cinnamate- <i>p</i> -Coumarate Carboxyl Methyltransferases and Their Role in the Biosynthesis of Methylcinnamate. <i>Plant Cell</i> , 2007, 19, 3212-3229.	3.1	66
66	An important role of a BAHD acyl transferase-like protein in plant innate immunity. <i>Plant Journal</i> , 2009, 57, 1040-1053.	2.8	64
67	Practical applications of research into the regulation of plant volatile emission. <i>Current Opinion in Plant Biology</i> , 2005, 8, 113-118.	3.5	61
68	A kinetic model describes metabolic response to perturbations and distribution of flux control in the benzenoid network of <i>Petunia hybrida</i> . <i>Plant Journal</i> , 2010, 62, 64-76.	2.8	59
69	Genetic manipulation of lignocellulosic biomass for bioenergy. <i>Current Opinion in Chemical Biology</i> , 2015, 29, 32-39.	2.8	57
70	Role of aromatic aldehyde synthase in wounding/herbivory response and flower scent production in different <i>Arabidopsis</i> ecotypes. <i>Plant Journal</i> , 2011, 66, 591-602.	2.8	56
71	Natural fumigation as a mechanism for volatile transport between flower organs. <i>Nature Chemical Biology</i> , 2019, 15, 583-588.	3.9	56
72	Adaptive mechanisms of plant specialized metabolism connecting chemistry to function. <i>Nature Chemical Biology</i> , 2021, 17, 1037-1045.	3.9	54

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73	Evolution of Floral Scent in Clarkia: Novel Patterns of S-Linalool Synthase Gene Expression in the <i>C. breweri</i> Flower. <i>Plant Cell</i> , 1996, 8, 1137.	3.1	52
74	A chromosomal-scale genome assembly of <i>Tectona grandis</i> reveals the importance of tandem gene duplication and enables discovery of genes in natural product biosynthetic pathways. <i>GigaScience</i> , 2019, 8, .	3.3	52
75	<i>CCoAOMT</i> Down-Regulation Activates Anthocyanin Biosynthesis in <i>Petunia</i> . <i>Plant Physiology</i> , 2016, 170, 717-731.	2.3	51
76	Cuticle thickness affects dynamics of volatile emission from <i>petunia</i> flowers. <i>Nature Chemical Biology</i> , 2021, 17, 138-145.	3.9	50
77	<i>Petunia</i> – <i>hybrida</i> floral scent production is negatively affected by high temperature growth conditions. <i>Plant, Cell and Environment</i> , 2015, 38, 1333-1346.	2.8	49
78	Aromatic Amino Acids: A Complex Network Ripe for Future Exploration. <i>Trends in Plant Science</i> , 2020, 25, 670-681.	4.3	45
79	The monolignol pathway contributes to the biosynthesis of volatile phenylpropenes in flowers. <i>New Phytologist</i> , 2014, 204, 661-670.	3.5	44
80	The biosynthesis of thymol, carvacrol, and thymohydroquinone in Lamiaceae proceeds via cytochrome P450s and a short-chain dehydrogenase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	44
81	The floral volatile, methyl benzoate, from snapdragon (<i>Antirrhinum majus</i>) triggers phytotoxic effects in <i>Arabidopsis thaliana</i> . <i>Planta</i> , 2007, 226, 1-10.	1.6	39
82	Functional Identification of Valerena-1,10-diene Synthase, a Terpene Synthase Catalyzing a Unique Chemical Cascade in the Biosynthesis of Biologically Active Sesquiterpenes in <i>Valeriana officinalis</i> . <i>Journal of Biological Chemistry</i> , 2013, 288, 3163-3173.	1.6	39
83	Metabolic engineering of monoterpene biosynthesis in tomato fruits via introduction of the non-canonical substrate neryl diphosphate. <i>Metabolic Engineering</i> , 2014, 24, 107-116.	3.6	38
84	Metabolomics of Plant Volatiles. <i>Methods in Molecular Biology</i> , 2009, 553, 329-343.	0.4	35
85	The lack of floral synthesis and emission of isoeugenol in <i>Petunia axillaris</i> subsp. <i>parodii</i> is due to a mutation in the <i>isoeugenol synthase</i> gene. <i>Plant Journal</i> , 2009, 58, 961-969.	2.8	34
86	A Promiscuous CYP706A3 Reduces Terpene Volatile Emission from <i>Arabidopsis</i> Flowers, Affecting Florivores and the Floral Microbiome. <i>Plant Cell</i> , 2019, 31, 2947-2972.	3.1	33
87	Targeted Metabolomics of the Phenylpropanoid Pathway in <i>Arabidopsis thaliana</i> using Reversed Phase Liquid Chromatography Coupled with Tandem Mass Spectrometry. <i>Phytochemical Analysis</i> , 2017, 28, 267-276.	1.2	30
88	Phylobiochemical Characterization of Class-Ib Aspartate/Prephenate Aminotransferases Reveals Evolution of the Plant Arogenate Phenylalanine Pathway. <i>Plant Cell</i> , 2014, 26, 3101-3114.	3.1	27
89	Modulation of auxin formation by the cytosolic phenylalanine biosynthetic pathway. <i>Nature Chemical Biology</i> , 2020, 16, 850-856.	3.9	27
90	Carnivore Attractant or Plant Elicitor? Multifunctional Roles of Methyl Salicylate Lures in Tomato Defense. <i>Journal of Chemical Ecology</i> , 2017, 43, 573-585.	0.9	26

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91	Characterization of Benzylalcohol Acetyltransferases in Scented and Non-Scented <i>Clarkia</i> Species. <i>Plant and Cell Physiology</i> , 1999, 40, 916-923.	1.5	25
92	A Survey of Oxidative Paracatalytic Reactions Catalyzed by Enzymes that Generate Carbanionic Intermediates: Implications for ROS Production, Cancer Etiology, and Neurodegenerative Diseases. <i>Advances in Enzymology and Related Areas of Molecular Biology</i> , 2011, 77, 307-360.	1.3	25
93	A peroxisomal thioesterase plays auxiliary roles in plant $\hat{2}$ oxidative benzoic acid metabolism. <i>Plant Journal</i> , 2018, 93, 905-916.	2.8	25
94	Floral Scents and Fruit Aromas Inspired by Nature. , 2009, , 405-431.		25
95	A peroxisomal heterodimeric enzyme is involved in benzaldehyde synthesis in plants. <i>Nature Communications</i> , 2022, 13, 1352.	5.8	25
96	Multifaceted plant responses to circumvent Phe hyperaccumulation by downregulation of flux through the shikimate pathway and by vacuolar Phe sequestration. <i>Plant Journal</i> , 2017, 92, 939-950.	2.8	24
97	Aromatic Volatiles and Their Involvement in Plant Defense. , 2008, , 409-432.		24
98	Dynamic histone acetylation in floral volatile synthesis and emission in petunia flowers. <i>Journal of Experimental Botany</i> , 2021, 72, 3704-3722.	2.4	23
99	Structure of the mitochondrial genome of <i>Beta vulgaris</i> L.. <i>Theoretical and Applied Genetics</i> , 1988, 76, 753-759.	1.8	22
100	A ^{13}C isotope labeling method for the measurement of lignin metabolic flux in <i>Arabidopsis</i> stems. <i>Plant Methods</i> , 2018, 14, 51.	1.9	22
101	Developmental Regulation of Phenylpropanoid Biosynthesis in Leaves and Glandular Trichomes of Basil (<i>Ocimum basilicum</i> L.). <i>International Journal of Plant Sciences</i> , 2006, 167, 447-454.	0.6	21
102	Phenotypic Space and Variation of Floral Scent Profiles during Late Flower Development in <i>Antirrhinum</i> . <i>Frontiers in Plant Science</i> , 2016, 7, 1903.	1.7	21
103	Differences in Monoterpene Biosynthesis and Accumulation in <i>Pistacia palaestina</i> Leaves and Aphid-Induced Galls. <i>Journal of Chemical Ecology</i> , 2017, 43, 143-152.	0.9	20
104	Biosynthesis of methyleugenol and methylisoeugenol in <i>Daucus carota</i> leaves: Characterization of eugenol/isoeugenol synthase and O-Methyltransferase. <i>Phytochemistry</i> , 2019, 159, 179-189.	1.4	20
105	Genome sequencing of four culinary herbs reveals terpenoid genes underlying chemodiversity in the Nepetoideae. <i>DNA Research</i> , 2020, 27, .	1.5	18
106	Synthesis of the food flavoring methyl benzoate by genetically engineered <i>Saccharomyces cerevisiae</i> . <i>Journal of Biotechnology</i> , 2006, 122, 307-315.	1.9	16
107	Plant metabolic engineering: future prospects and challenges. <i>Current Opinion in Biotechnology</i> , 2013, 24, 226-228.	3.3	16
108	Dynamic modeling of subcellular phenylpropanoid metabolism in <i>Arabidopsis</i> lignifying cells. <i>Metabolic Engineering</i> , 2018, 49, 36-46.	3.6	16

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109	ODORANT1 targets multiple metabolic networks in petunia flowers. <i>Plant Journal</i> , 2022, 109, 1134-1151.	2.8	14
110	Nucleotide Sequence of a Pollen-Specific cDNA from <i>Helianthus annuus</i> L. Encoding a Highly Basic Protein. <i>Plant Physiology</i> , 1994, 106, 403-404.	2.3	13
111	Prenyltransferases catalyzing geranyldiphosphate formation in tomato fruit. <i>Plant Science</i> , 2020, 296, 110504.	1.7	13
112	Duplication and Specialization of <i>NUDX1</i> in <i>Rosaceae</i> Led to Geraniol Production in Rose Petals. <i>Molecular Biology and Evolution</i> , 2022, 39, .	3.5	13
113	Retracing the molecular basis and evolutionary history of the loss of benzaldehyde emission in the genus <i>Capsella</i> . <i>New Phytologist</i> , 2019, 224, 1349-1360.	3.5	12
114	Overexpression of arogenate dehydratase reveals an upstream point of metabolic control in phenylalanine biosynthesis. <i>Plant Journal</i> , 2021, 108, 737-751.	2.8	12
115	Chapter 10 The Role of the Methyl-Erythritol-Phosphate (MEP) Pathway in Rhythmic Emission of Volatiles. <i>Advances in Photosynthesis and Respiration</i> , 2010, , 139-154.	1.0	11
116	Silent constraints: the hidden challenges faced in plant metabolic engineering. <i>Current Opinion in Biotechnology</i> , 2021, 69, 112-117.	3.3	10
117	Diffusion of volatile organics and water in the epicuticular waxes of petunia petal epidermal cells. <i>Plant Journal</i> , 2022, 110, 658-672.	2.8	10
118	Profiling hydroxycinnamoyl-coenzyme A thioesters: Unlocking the back door of phenylpropanoid metabolism. <i>Analytical Biochemistry</i> , 2012, 420, 182-184.	1.1	9
119	Combining biotechnology and evolution for understanding the mechanisms of pollinator attraction. <i>Current Opinion in Biotechnology</i> , 2021, 70, 213-219.	3.3	9
120	A pollen-specific gene from sunflower encodes a member of the leucine-rich-repeat protein superfamily. <i>Plant Science</i> , 1995, 111, 81-93.	1.7	8
121	Tomato Fruits – A Platform for Metabolic Engineering of Terpenes. <i>Methods in Enzymology</i> , 2016, 576, 333-359.	0.4	8
122	Benzenoids Dominate the Fragrance of Petunia Flowers. , 2009, , 51-69.		7
123	Structural organization and transcription of plant mitochondrial and chloroplast genomes. <i>Electron Microscopy Reviews</i> , 1991, 4, 221-247.	1.3	6
124	Metabolic Engineering of Floral Scent of Ornamentals. <i>Journal of Crop Improvement</i> , 2006, 18, 325-346.	0.9	6
125	A flower-specific gene family whose expression is regulated temporally and spatially during flower development in sunflower. <i>Plant Science</i> , 1996, 120, 161-173.	1.7	5
126	Regulation of Circadian Methyl Benzoate Emission in Diurnally and Nocturnally Emitting Plants. <i>Plant Cell</i> , 2001, 13, 2333.	3.1	5

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127	Quantification of Plant Volatiles. <i>Methods in Molecular Biology</i> , 2014, 1083, 41-53.	0.4	5
128	Overcoming Bottlenecks for Metabolic Engineering of Sesquiterpene Production in Tomato Fruits. <i>Frontiers in Plant Science</i> , 2021, 12, 691754.	1.7	5
129	Identification of a wild carrot as carrot psylla (<i>Bactericera trigonica</i>) attractant and host plant chemistry. <i>Plant Science</i> , 2021, 311, 111011.	1.7	5
130	Floral Scent Metabolic Pathways. , 2006, , 55-78.		5
131	The chloroplast genome of <i>Beta vulgaris</i> L.: Structural organization and transcriptional activity. <i>Plant Science</i> , 1989, 62, 93-103.	1.7	4
132	Editorial. <i>Molecular Plant</i> , 2010, 3, 1.	3.9	4
133	Application of Dynamic Flux Analysis in Plant Metabolic Networks. , 2009, , 285-305.		4
134	Floral Scent Metabolic Pathways and Their Regulation. , 2020, , 147-164.		4
135	Floral Scent: Biosynthesis, Regulation and Genetic Modifications. , 0, , 240-257.		3
136	A Familiar Ring to It: Biosynthesis of Plant Benzoic Acids. <i>Molecular Plant</i> , 2014, , .	3.9	3
137	Emission and Perception of Plant Volatiles. , 2020, , 251-267.		3
138	Transcriptional up-regulation of host-specific terpene metabolism in aphid-induced galls of <i>Pistacia palaestina</i> . <i>Journal of Experimental Botany</i> , 2022, 73, 555-570.	2.4	2
139	Aromatic Amino Acid Network: Biosynthesis, Regulation and Transport. <i>FASEB Journal</i> , 2015, 29, 103.2.	0.2	2
140	Biosynthesis of Scent and Flavor Compounds. <i>Current Plant Science and Biotechnology in Agriculture</i> , 1999, , 601-604.	0.0	1
141	Floral Benzenoid Carboxyl Methyltransferases: From in vitro to in Planta Function. <i>ChemInform</i> , 2005, 36, no.	0.1	0
142	Career Profile: Biochemist and Plant Molecular Biologist. <i>Journal of Chemical Education</i> , 2007, 84, 1564.	1.1	0
143	Floral Scent. , 2004, , 456-459.		0