# Eran Pichersky

List of Publications by Year
in descending order



| 190 | 22,593 | 7551 77 | 8835 145 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 200 | 200 | 200 | 15468 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Deep roots and many branches: Origins of plant-specialized metabolic enzymes in general metabolism. Current Opinion in Plant Biology, 2022, 66, 102192. | 3.5 | 8 |
| 2 | Engineering of tomato type VI glandular trichomes for trans-chrysanthemic acid biosynthesis, the acid moiety of natural pyrethrin insecticides. Metabolic Engineering, 2022, 72, 188-199. | 3.6 | 7 |
| 3 | Synthesis of 4â€methylvaleric acid, a precursor of pogostone, involves a 2â€isobutylmalate synthase related to 2â€isopropylmalate synthase of leucine biosynthesis. New Phytologist, 2022, 235, 1129-1145. | 3.5 | 2 |
| 4 | Characterization of a Cytosolic Acyl-Activating Enzyme Catalyzing the Formation of 4-Methylvaleryl-CoA for Pogostone Biosynthesis inPogostemon Cablin. Plant and Cell Physiology, 2021, 62, 1556-1571. | 1.5 | 6 |
| 5 | Overcoming Bottlenecks for Metabolic Engineering of Sesquiterpene Production in Tomato Fruits. Frontiers in Plant Science, 2021, 12, 691754. | 1.7 | 5 |
| 6 | Degradation of salicylic acid to catechol in Solanaceae by SA 1-hydroxylase. Plant Physiology, 2021, 185, 876-891. | 2.3 | 9 |
| 7 | How Plants Synthesize Pyrethrins: Safe and Biodegradable Insecticides. Trends in Plant Science, 2020, 25, 1240-1251. | 4.3 | 44 |
| 8 | A Trichome-Specific, Plastid-Localized Tanacetum cinerariifolium Nudix Protein Hydrolyzes the Natural Pyrethrin Pesticide Biosynthetic Intermediate trans-Chrysanthemyl Diphosphate. Frontiers in Plant Science, 2020, 11, 482. | 1.7 | 18 |
| 9 | More is better: the diversity of terpene metabolism in plants. Current Opinion in Plant Biology, 2020, 55, 1-10. | 3.5 | 158 |
| 10 | The complete functional characterisation of the terpene synthase family in tomato. New Phytologist, 2020, 226, 1341-1360. | 3.5 | 121 |
| 11 | Robust predictions of specialized metabolism genes through machine learning. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 2344-2353. | 3.3 | 79 |
| 12 | Duplication and selection in Î²-ketoacyl-ACP synthase gene lineages in the sexually deceptive Chiloglottis (Orchidaceae). Annals of Botany, 2019, 123, 1053-1066. | 1.4 | 7 |
| 13 | Pyrethric acid of natural pyrethrin insecticide: complete pathway elucidation and reconstitution in Nicotiana benthamiana. New Phytologist, 2019, 223, 751-765. | 3.5 | 34 |
| 14 | Pyrethrin Biosynthesis: The Cytochrome P450 Oxidoreductase CYP82Q3 Converts Jasmolone To Pyrethrolone. Plant Physiology, 2019, 181, 934-944. | 2.3 | 20 |
| 15 | Production of trans-chrysanthemic acid, the monoterpene acid moiety of natural pyrethrin insecticides, in tomato fruit. Metabolic Engineering, 2018, 47, 271-278. | 3.6 | 26 |
| 16 | Why do plants produce so many terpenoid compounds?. New Phytologist, 2018, 220, 692-702. | 3.5 | 414 |
| 17 | Coexpression Analysis Identifies Two Oxidoreductases Involved in the Biosynthesis of the Monoterpene Acid Moiety of Natural Pyrethrin Insecticides in Tanacetum cinerariifolium. Plant Physiology, 2018, 176, 524-537. | 2.3 | 45 |
| 18 | Jasmone Hydroxylase, a Key Enzyme in the Synthesis of the Alcohol Moiety of Pyrethrin Insecticides. Plant Physiology, 2018, 177, 1498-1509. | 2.3 | 32 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Evidence for the Involvement of Fatty Acid Biosynthesis and Degradation in the Formation of Insect Sex Pheromone-Mimicking Chiloglottones in Sexually Deceptive Chiloglottis Orchids. Frontiers in Plant Science, 2018, 9, 839. | 1.7 | 7 |
| 20 | Metabolic reconstructions identify plant 3â€methylglutaconylâ€CoA hydratase that is crucial for branchedâ€chain amino acid catabolism in mitochondria. Plant Journal, 2018, 95, 358-370. | 2.8 | 14 |
| 21 | MeNA, Controlled by Reversible Methylation of Nicotinate, Is an NAD Precursor that Undergoes Long-Distance Transport in Arabidopsis. Molecular Plant, 2018, 11, 1264-1277. | 3.9 | 21 |
| 22 | Complex Sexual Deception in an Orchid Is Achieved by Co-opting Two Independent Biosynthetic Pathways for Pollinator Attraction. Current Biology, 2017, 27, 1867-1877.e5. | 1.8 | 67 |
| 23 | Multifaceted plant responses to circumvent Phe hyperaccumulation by downregulation of flux through the shikimate pathway and by vacuolar Phe sequestration. Plant Journal, 2017, 92, 939-950. | 2.8 | 24 |
| 24 | Tissue-Specific Floral Transcriptome Analysis of the Sexually Deceptive Orchid Chiloglottis trapeziformis Provides Insights into the Biosynthesis and Regulation of Its Unique UV-B Dependent Floral Volatile, Chiloglottone 1. Frontiers in Plant Science, 2017, 8, 1260. | 1.7 | 18 |
| 25 | The Biosynthesis of Unusual Floral Volatiles and Blends Involved in Orchid Pollination by Deception: Current Progress and Future Prospects. Frontiers in Plant Science, 2017, 8, 1955. | 1.7 | 32 |
| 26 | Pollination by sexual deception â€" it takes chemistry to work. Current Opinion in Plant Biology, 2016, 32, 37-46. | 3.5 | 84 |
| 27 | A twoâ€component enzyme complex is required for dolichol biosynthesis in tomato. Plant Journal, 2015, 82, 903-914. | 2.8 | 53 |
| 28 | Biosynthesis of the Diterpenoid Lycosantalonol via Nerylneryl Diphosphate in Solanum lycopersicum. PLoS ONE, 2015, 10, e0119302. | 1.1 | 42 |
| 29 | UV-B light contributes directly to the synthesis of chiloglottone floral volatiles. Annals of Botany, 2015, 115, 693-703. | 1.4 | 14 |
| 30 | Identification, Functional Characterization, and Evolution of Terpene Synthases from a Basal Dicot. Plant Physiology, 2015, 169, pp.00930.2015. | 2.3 | 41 |
| 31 | Focus Issue on Metabolism: Metabolites, Metabolites Everywhere. Plant Physiology, 2015, 169, 1421-1423. | 2.3 | 26 |
| 32 | Petuniaâ€‰Ã—â€‰hybrida floral scent production is negatively affected by highâ€temperature growth conditions. Plant, Cell and Environment, 2015, 38, 1333-1346. | 2.8 | 49 |
| 33 | Eugenol synthase genes in floral scent variation in Gymnadenia species. Functional and Integrative Genomics, 2014, 14, 779-788. | 1.4 | 28 |
| 34 | Geranyllinalool Synthases in Solanaceae and Other Angiosperms Constitute an Ancient Branch of Diterpene Synthases Involved in the Synthesis of Defensive Compounds Â Â Â. Plant Physiology, 2014, 166, 428-441. | 2.3 | 36 |
| 35 | Biosynthesis of Lycosantalonol, a cis-Prenyl Derived Diterpenoid. Journal of the American Chemical Society, 2014, 136, 16951-16953. | 6.6 | 41 |
| 36 | Heterologous Expression of Methylketone Synthase1 and Methylketone Synthase2 Leads to Production of Methylketones and Myristic Acid in Transgenic Plants Â Â. Plant Physiology, 2014, 164, 612-622. | 2.3 | 18 |

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| 37 | Determination of Residues Responsible for Substrate and Product Specificity of Solanum habrochaites Short-Chain cis-Prenyltransferases Â Â. Plant Physiology, 2014, 164, 80-91. | 2.3 | 37 |
| 38 | Metabolic engineering of monoterpene biosynthesis in tomato fruits via introduction of the non-canonical substrate neryl diphosphate. Metabolic Engineering, 2014, 24, 107-116. | 3.6 | 38 |
| 39 | Analysis of Natural and Induced Variation in Tomato Glandular Trichome Flavonoids Identifies a Gene Not Present in the Reference Genome. Plant Cell, 2014, 26, 3272-3285. | 3.1 | 49 |
| 40 | Enhancement of production of eugenol and its glycosides in transgenic aspen plants via genetic engineering. Biochemical and Biophysical Research Communications, 2013, 436, 73-78. | 1.0 | 28 |
| 41 | The production of a key floral volatile is dependent on UV light in a sexually deceptive orchid. Annals of Botany, 2013, 111, 21-30. | 1.4 | 31 |
| 42 | Identification of methylated flavonoid regioisomeric metabolites using enzymatic semisynthesis and liquid chromatography-tandem mass spectrometry. Metabolomics, 2013, 9, 92-101. | 1.4 | 12 |
| 43 | Veratrole Biosynthesis in White Campion Â Â. Plant Physiology, 2013, 162, 52-62. | 2.3 | 21 |
| 44 | Evolution of a Complex Locus for Terpene Biosynthesis in Solanum Â Â. Plant Cell, 2013, 25, 2022-2036. | 3.1 | 132 |
| 45 | Cytosolic monoterpene biosynthesis is supported by plastidâ€generated geranyl diphosphate substrate in transgenic tomato fruits. Plant Journal, 2013, 75, 351-363. | 2.8 | 109 |
| 46 | The tomato cisâ€“prenyltransferase gene family. Plant Journal, 2013, 73, 640-652. | 2.8 | 102 |
| 47 | Nonseed plant Selaginella moellendorffii has both seed plant and microbial types of terpene synthases. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 14711-14715. | 3.3 | 103 |
| 48 | Emergent Decarboxylase Activity and Attenuation of Î±/Î²-Hydrolase Activity during the Evolution of Methylketone Biosynthesis in Tomato. Plant Cell, 2012, 24, 1596-1607. | 3.1 | 23 |
| 49 | Benzoylation and sinapoylation of glucosinolate Râ€groups in Arabidopsis. Plant Journal, 2012, 72, 411-422. | 2.8 | 78 |
| 50 | Characterization of a flavonol 3-O-methyltransferase in the trichomes of the wild tomato species Solanum habrochaites. Planta, 2012, 236, 839-849. | 1.6 | 28 |
| 51 | Synthesis of methyl ketones by metabolically engineered Escherichia coli. Journal of Industrial Microbiology and Biotechnology, 2012, 39, 1703-1712. | 1.4 | 39 |
| 52 | Contribution of CoA Ligases to Benzenoid Biosynthesis in Petunia Flowers. Plant Cell, 2012, 24, 2015-2030. | 3.1 | 127 |
| 53 | Identification of white campion (Silene latifolia) guaiacol O-methyltransferase involved in the biosynthesis of veratrole, a key volatile for pollinator attraction. BMC Plant Biology, 2012, 12, 158. | 1.6 | 20 |
| 54 | Taming the hydra of specialized metabolism: how systems biology and comparative approaches are revolutionizing plant biochemistry. Current Opinion in Plant Biology, 2012, 15, 338-344. | 3.5 | 55 |

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| 55 | Plant Volatiles and Other Specialized Metabolites: Synthesis, Storage, Emission, and Function. Signaling and Communication in Plants, 2012, , 109-123. | 0.5 | 4 |
| 56 | Comparative Functional Genomic Analysis ofSolanumGlandular Trichome Types Â Â. Plant Physiology, 2011, 155, 524-539. | 2.3 | 168 |
| 57 | Convergent Evolution in Plant Specialized Metabolism. Annual Review of Plant Biology, 2011, 62, 549-566. | 8.6 | 400 |
| 58 | The family of terpene synthases in plants: a midâ€size family of genes for specialized metabolism that is highly diversified throughout the kingdom. Plant Journal, 2011, 66, 212-229. | 2.8 | 1,068 |
| 59 | The plant genome: an evolutionary perspective on structure and function. Plant Journal, 2011, 66, 1-3. | 2.8 | 6 |
| 60 | Metabolic engineering in strawberry fruit uncovers a dormant biosynthetic pathway. Metabolic Engineering, 2011, 13, 527-531. | 3.6 | 39 |
| 61 | New Synthesisâ€"Duplicated Genes in the Ecological Interactions of Plants with Their Environment. Journal of Chemical Ecology, 2011, 37, 923-923. | 0.9 | 2 |
| 62 | RNA-seq discovery, functional characterization, and comparison of sesquiterpene synthases from Solanum lycopersicum and Solanum habrochaites trichomes. Plant Molecular Biology, 2011, 77, 323-336. | 2.0 | 80 |
| 63 | The Tomato Terpene Synthase Gene Family Â Â. Plant Physiology, 2011, 157, 770-789. | 2.3 | 282 |
| 64 | Polymethylated Myricetin in Trichomes of the Wild Tomato Species Solanum habrochaites and Characterization of Trichome-Specific 3â€²/5â€²- and 7/4â€²-Myricetin O-Methyltransferases Â Â Â. Plant Physiology, 2011, 155, 1999-2009. | 2.3 | 54 |
| 65 | Editorial. Molecular Plant, 2010, 3, 1. | 3.9 | 4 |
| 66 | Altering Expression of Benzoic Acid/Salicylic Acid Carboxyl Methyltransferase 1 Compromises Systemic Acquired Resistance and PAMP-Triggered Immunity in Arabidopsis. Molecular Plant-Microbe Interactions, 2010, 23, 82-90. | 1.4 | 77 |
| 67 | A Copal-8-ol Diphosphate Synthase from the Angiosperm Cistus creticus subsp. creticus Is a Putative Key Enzyme for the Formation of Pharmacologically Active, Oxygen-Containing Labdane-Type Diterpenes. Plant Physiology, 2010, 154, 301-310. | 2.3 | 74 |
| 68 | The Herbivore-Induced Plant Volatile Methyl Salicylate Negatively Affects Attraction of the Parasitoid Diadegma semiclausum. Journal of Chemical Ecology, 2010, 36, 479-489. | 0.9 | 77 |
| 69 | The Small Subunit of Snapdragon Geranyl Diphosphate Synthase Modifies the Chain Length Specificity of Tobacco Geranylgeranyl Diphosphate Synthase in Planta. Plant Cell, 2010, 21, 4002-4017. | 3.1 | 91 |
| 70 | RNAi Suppression of Arogenate Dehydratase1 Reveals That Phenylalanine Is Synthesized Predominantly via the Arogenate Pathway in Petunia Petals Â. Plant Cell, 2010, 22, 832-849. | 3.1 | 146 |
| 71 | Enzymatic Functions of Wild Tomato Methylketone Synthases 1 and 2. Plant Physiology, 2010, 154, 67-77. | 2.3 | 74 |
| 72 | Biosynthesis of t-Anethole in Anise: Characterization of t-Anol/Isoeugenol Synthase and an O-Methyltransferase Specific for a C7-C8 Propenyl Side Chain Â Â. Plant Physiology, 2009, 149, 384-394. | 2.3 | 62 |

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| 73 | An Aldehyde Oxidase in Developing Seeds of Arabidopsis Converts Benzaldehyde to Benzoic Acid. Plant Physiology, 2009, 150, 416-423. | 2.3 | 65 |
| 74 | Multiple Biochemical and Morphological Factors Underlie the Production of Methylketones in Tomato Trichomes Â Â. Plant Physiology, 2009, 151, 1952-1964. | 2.3 | 62 |
| 75 | The lack of floral synthesis and emission of isoeugenol in Petunia axillaris subsp. parodii is due to a mutation in the isoeugenol synthase gene. Plant Journal, 2009, 58, 961-969. | 2.8 | 34 |
| 76 | A plant thiolase involved in benzoic acid biosynthesis and volatile benzenoid production. Plant Journal, 2009, 60, 292-302. | 2.8 | 110 |
| 77 | Benzenoids Dominate the Fragrance of Petunia Flowers. , 2009, , 51-69. | | 7 |
| 78 | Monoterpenes in the glandular trichomes of tomato are synthesized from a neryl diphosphate precursor rather than geranyl diphosphate. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 10865-10870. | 3.3 | 331 |
| 79 | Transcriptome analysis approaches for the isolation of trichome-specific genes from the medicinal plant Cistus creticus subsp. creticus. Plant Molecular Biology, 2008, 68, 633-651. | 2.0 | 41 |
| 80 | Metabolic engineering of plant volatiles. Current Opinion in Biotechnology, 2008, 19, 181-189. | 3.3 | 214 |
| 81 | Raging hormones in plants. Nature Chemical Biology, 2008, 4, 584-586. | 3.9 | 5 |
| 82 | The multiple phenylpropene synthases in both Clarkia breweri and Petunia hybrida represent two distinct protein lineages. Plant Journal, 2008, 54, 362-374. | 2.8 | 76 |
| 83 | Harnessing plant trichome biochemistry for the production of useful compounds. Plant Journal, 2008, 54, 702-711. | 2.8 | 320 |
| 84 | Overexpression of the lemon basil Î±â€zingiberene synthase gene increases both monoâ€•and sesquiterpene contents in tomato fruit. Plant Journal, 2008, 56, 228-238. | 2.8 | 101 |
| 85 | Identification of likely orthologs of tobacco salicylic acidâ€binding protein 2 and their role in systemic acquired resistance in Arabidopsis thaliana. Plant Journal, 2008, 56, 445-456. | 2.8 | 215 |
| 86 | The Arabidopsis thaliana Type I Isopentenyl Diphosphate Isomerases Are Targeted to Multiple Subcellular Compartments and Have Overlapping Functions in Isoprenoid Biosynthesis. Plant Cell, 2008, 20, 677-696. | 3.1 | 122 |
| 87 | Inactive Methyl Indole-3-Acetic Acid Ester Can Be Hydrolyzed and Activated by Several Esterases Belonging to the AtMES Esterase Family of Arabidopsis Â Â. Plant Physiology, 2008, 147, 1034-1045. | 2.3 | 152 |
| 88 | Structural, Biochemical, and Phylogenetic Analyses Suggest That Indole-3-Acetic Acid Methyltransferase Is an Evolutionarily Ancient Member of the SABATH Family. Plant Physiology, 2008, 146, 323-324. | 2.3 | 82 |
| 89 | Methylation of Gibberellins by Arabidopsis GAMT1 and GAMT2. Plant Cell, 2007, 19, 32-45. | 3.1 | 218 |
| 90 | Identifying Substrates and Products of Enzymes of Plant Volatile Biosynthesis with the Help of Metabolic Profiling. , 2007, , 169-182. | | 0 |

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| 91 | Reduction of Benzenoid Synthesis in Petunia Flowers Reveals Multiple Pathways to Benzoic Acid and Enhancement in Auxin Transport. Plant Cell, 2007, 18, 3458-3475. | 3.1 | 151 |
| 92 | Structure and Reaction Mechanism of Basil Eugenol Synthase. PLoS ONE, 2007, 2, e993. | 1.1 | 39 |
| 93 | Characterization of a BAHD acyltransferase responsible for producing the green leaf volatile (Z)-3-hexen-1-yl acetate in Arabidopsis thaliana. Plant Journal, 2007, 49, 194-207. | 2.8 | 199 |
| 94 | Enrichment of tomato flavor by diversion of the early plastidial terpenoid pathway. Nature Biotechnology, 2007, 25, 899-901. | 9.4 | 178 |
| 95 | Characterization of a petunia acetyltransferase involved in the biosynthesis of the floral volatile isoeugenol. Plant Journal, 2007, 49, 265-275. | 2.8 | 133 |
| 96 | Nicotinamidase participates in the salvage pathway of NAD biosynthesis in Arabidopsis. Plant Journal, 2007, 49, 1020-1029. | 2.8 | 93 |
| 97 | Scent engineering: toward the goal of controlling how flowers smell. Trends in Biotechnology, 2007, 25, 105-110. | 4.9 | 107 |
| 98 | Functional insights from structural genomics. Journal of Structural and Functional Genomics, 2007, 8, 37-44. | 1.2 | 34 |
| 99 | Chavicol formation in sweet basil (Ocimum basilicum): cleavage of an esterified C9 hydroxyl group with NAD(P)H-dependent reduction. Organic and Biomolecular Chemistry, 2006, 4, 2733-2744. | 1.5 | 70 |
| 100 | Biosynthesis of Plant Volatiles: Nature's Diversity and Ingenuity. Science, 2006, 311, 808-811. | 6.0 | 766 |
| 101 | Analysis of the enzymatic formation of citral in the glands of sweet basil. Archives of Biochemistry and Biophysics, 2006, 448, 141-149. | 1.4 | 83 |
| 102 | An Arabidopsis thaliana methyltransferase capable of methylating farnesoic acid. Archives of Biochemistry and Biophysics, 2006, 448, 123-132. | 1.4 | 73 |
| 103 | Plant volatiles: a lack of function or a lack of knowledge?. Trends in Plant Science, 2006, 11, 421-421. | 4.3 | 46 |
| 104 | The Chemical Diversity of Floral Scent. , 2006, , 27-52. | | 7 |
| 105 | Generation of Phenylpropanoid Pathway-Derived Volatiles in Transgenic Plants: Rose Alcohol Acetyltransferase Produces Phenylethyl Acetate and Benzyl Acetate in Petunia Flowers. Plant Molecular Biology, 2006, 60, 555-563. | 2.0 | 89 |
| 106 | Physiology and metabolism. Current Opinion in Plant Biology, 2006, 9, 217-219. | 3.5 | 3 |
| 107 | Metabolie Engineering of Floral Scent of Ornamentals. Journal of Crop Improvement, 2006, 18, 325-346. | 0.9 | 6 |
| 108 | Eugenol and isoeugenol, characteristic aromatic constituents of spices, are biosynthesized via reduction of a coniferyl alcohol ester. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 10128-10133. | 3.3 | 323 |

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| 109 | Plant Phenylacetaldehyde Synthase Is a Bifunctional Homotetrameric Enzyme That Catalyzes Phenylalanine Decarboxylation and Oxidation*. Journal of Biological Chemistry, 2006, 281, 23357-23366. | 1.6 | 257 |
| 110 | Floral Scent Metabolic Pathways. , 2006, , 55-78. | | 5 |
| 111 | Biosynthesis of Volatile Terpenes in the Flowers of the Model Plant Arabidopsis thaliana. , 2006, , 79-90. | | 0 |
| 112 | Two sesquiterpene synthases are responsible for the complex mixture of sesquiterpenes emitted from Arabidopsis flowers. Plant Journal, 2005, 42, 757-771. | 2.8 | 314 |
| 113 | Metabolomics, genomics, proteomics, and the identification of enzymes and their substrates and products. Current Opinion in Plant Biology, 2005, 8, 242-248. | 3.5 | 123 |
| 114 | Flower proteome: changes in protein spectrum during the advanced stages of rose petal development. Planta, 2005, 222, 37-46. | 1.6 | 42 |
| 115 | Is the Concept of Regulation Overused in Molecular and Cellular Biology?. Plant Cell, 2005, 17, 3217-3218. | 3.1 | 8 |
| 116 | Metabolic, Genomic, and Biochemical Analyses of Glandular Trichomes from the Wild Tomato Species Lycopersicon hirsutum Identify a Key Enzyme in the Biosynthesis of Methylketones. Plant Cell, 2005, 17, 1252-1267. | 3.1 | 162 |
| 117 | An Indole-3-Acetic Acid Carboxyl Methyltransferase Regulates Arabidopsis Leaf Development. Plant Cell, 2005, 17, 2693-2704. | 3.1 | 260 |
| 118 | Structural and biochemical studies identify tobacco SABP2 as a methyl salicylate esterase and implicate it in plant innate immunity. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 1773-1778. | 3.3 | 275 |
| 119 | Characterization of a Root-Specific Arabidopsis Terpene Synthase Responsible for the Formation of the Volatile Monoterpene 1,8-Cineole. Plant Physiology, 2004, 135, 1956-1966. | 2.3 | 207 |
| 120 | Chapter one Arabidopsis thaliana, a model system for investigating volatile terpene biosynthesis, regulation, and function. Recent Advances in Phytochemistry, 2004, , 1-18. | 0.5 | 4 |
| 121 | Biochemical and Structural Characterization of Benzenoid Carboxyl Methyltransferases Involved in Floral Scent Production in Stephanotis floribunda and Nicotiana suaveolens. Plant Physiology, 2004, 135, 1946-1955. | 2.3 | 65 |
| 122 | Characterization of Geraniol Synthase from the Peltate Glands of Sweet Basil. Plant Physiology, 2004, 134, 370-379. | 2.3 | 242 |
| 123 | Biochemistry of Plant Volatiles: Figure 1.. Plant Physiology, 2004, 135, 1893-1902. | 2.3 | 873 |
| 124 | The Biochemical and Molecular Basis for the Divergent Patterns in the Biosynthesis of Terpenes and Phenylpropenes in the Peltate Glands of Three Cultivars of Basil. Plant Physiology, 2004, 136, 3724-3736. | 2.3 | 210 |
| 125 | An enzyme-coupled colorimetric assay for S-adenosylmethionine-dependent methyltransferases. Analytical Biochemistry, 2004, 326, 100-105. | 1.1 | 116 |
| 126 | The Tomato Homolog of CORONATINE-INSENSITIVE1 Is Required for the Maternal Control of Seed Maturation, Jasmonate-Signaled Defense Responses, and Glandular Trichome Development[W]. Plant Cell, 2004, 16, 126-143. | 3.1 | 589 |

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| 127 | Formation of Monoterpenes in Antirrhinum majus and Clarkia breweri Flowers Involves Heterodimeric Geranyl Diphosphate Synthases. Plant Cell, 2004, 16, 977-992. | 3.1 | 162 |
| 128 | Plant Scents. American Scientist, 2004, 92, 514. | 0.1 | 10 |
| 129 | An Arabidopsis thaliana gene for methylsalicylate biosynthesis, identified by a biochemical genomics approach, has a role in defense. Plant Journal, 2003, 36, 577-588. | 2.8 | 278 |
| 130 | Volatile Ester Formation in Roses. Identification of an Acetyl-Coenzyme A. Geraniol/Citronellol Acetyltransferase in Developing Rose Petals. Plant Physiology, 2003, 131, 1868-1876. | 2.3 | 207 |
| 131 | Structural Basis for Substrate Recognition in the Salicylic Acid Carboxyl Methyltransferase Family. Plant Cell, 2003, 15, 1704-1716. | 3.1 | 214 |
| 132 | Chapter eleven The SABATH family of MTS in Arabidopsis Thaliana and other plant species. Recent Advances in Phytochemistry, 2003, , 253-283. | 0.5 | 54 |
| 133 | Biosynthesis and Emission of Terpenoid Volatiles from Arabidopsis Flowers. Plant Cell, 2003, 15, 481-494. | 3.1 | 381 |
| 134 | Chapter two Structural, functional, and evolutionary basis for methylation of plant small molecules. Recent Advances in Phytochemistry, 2003, 37, 37-58. | 0.5 | 68 |
| 135 | Rose Scent. Plant Cell, 2002, 14, 2325-2338. | 3.1 | 258 |
| 136 | O-Methyltransferases Involved in the Biosynthesis of Volatile Phenolic Derivatives in Rose Petals. Plant Physiology, 2002, 129, 1899-1907. | 2.3 | 156 |
| 137 | Characterization of an Acyltransferase Capable of Synthesizing Benzylbenzoate and Other Volatile Esters in Flowers and Damaged Leaves of Clarkia breweri Â. Plant Physiology, 2002, 130, 466-476. | 2.3 | 185 |
| 138 | Differential Production of meta Hydroxylated Phenylpropanoids in Sweet Basil Peltate Glandular Trichomes and Leaves Is Controlled by the Activities of Specific Acyltransferases and Hydroxylases. Plant Physiology, 2002, 130, 1536-1544. | 2.3 | 105 |
| 139 | Characterization of Phenylpropene O-Methyltransferases from Sweet Basil. Plant Cell, 2002, 14, 505-519. | 3.1 | 224 |
| 140 | Peltate Glandular Trichomes ofOcimum basilicumL. (Sweet Basil) Contain High Levels of Enzymes Involved in the Biosynthesis of Phenylpropenes. Journal of Herbs, Spices and Medicinal Plants, 2002, 9, 189-195. | 0.5 | 14 |
| 141 | Purification and characterization of benzoate:coenzyme A ligase from Clarkia breweri. Archives of Biochemistry and Biophysics, 2002, 400, 258-264. | 1.4 | 54 |
| 142 | Evening specific oscillations of scent emission, SAMT enzyme activity, and SAMT mRNA in flowers of Stephanotis floribunda. Journal of Plant Physiology, 2002, 159, 925-934. | 1.6 | 68 |
| 143 | The formation and function of plant volatiles: perfumes for pollinator attraction and defense. Current Opinion in Plant Biology, 2002, 5, 237-243. | 3.5 | 956 |
| 144 | Enzymatic Synthesis and Purification of Aromatic Coenzyme A Esters. Analytical Biochemistry, 2002, 302, 305-312. | 1.1 | 132 |

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| 145 | Photoinhibition and loss of photosystem II reaction centre proteins during senescence of soybean leaves. Enhancement of photoinhibition by the â€˜stay-greenâ€™ mutation cytG. Physiologia Plantarum, 2002, 115, 468-478. | 2.6 | 64 |
| 146 | Floral Fragrance. New Inroads into an Old Commodity. Plant Physiology, 2001, 127, 1383-1389. | 2.3 | 115 |
| 147 | Enhanced Levels of the Aroma and Flavor Compound S-Linalool by Metabolic Engineering of the Terpenoid Pathway in Tomato Fruits. Plant Physiology, 2001, 127, 1256-1265. | 2.3 | 16 |
| 148 | An Investigation of the Storage and Biosynthesis of Phenylpropenes in Sweet Basil. Plant Physiology, 2001, 125, 539-555. | 2.3 | 432 |
| 149 | Enhanced Levels of the Aroma and Flavor CompoundS-Linalool by Metabolic Engineering of the Terpenoid Pathway in Tomato Fruits. Plant Physiology, 2001, 127, 1256-1265. | 2.3 | 294 |
| 150 | Biosynthesis of estragole and methyl-eugenol in sweet basil (Ocimum basilicum L). Developmental and chemotypic association of allylphenol O-methyltransferase activities. Plant Science, 2000, 160, 27-35. | 1.7 | 106 |
| 151 | Genetics and biochemistry of secondary metabolites in plants: an evolutionary perspective. Trends in Plant Science, 2000, 5, 439-445. | 4.3 | 645 |
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