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## Monoterpene and sesquiterpene synthases and the origin of terpene skeletal diversity in plants

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819	A biochemical interpretation of terpene chemotypes in <i>Melaleuca alternifolia</i> . <b>2010</b> , 36, 652-61		38
818	Functional annotation, genome organization and phylogeny of the grapevine ( <i>Vitis vinifera</i> ) terpene synthase gene family based on genome assembly, FLcDNA cloning, and enzyme assays. <b>2010</b> , 10, 226		274
817	ChemInform Abstract: Monoterpene and Sesquiterpene Syntheses and the Origin of Terpene Skeletal Diversity in Plants.. <b>2010</b> , 41, no		
816	Multifunctional flavonoid dioxygenases: flavonol and anthocyanin biosynthesis in <i>Arabidopsis thaliana</i> L. <i>Phytochemistry</i> , <b>2010</b> , 71, 1040-9	4	136
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631	Shaking up ancient scents: Insights into santalol synthesis in engineered <i>Escherichia coli</i> . <b>2015</b> , 50, 1177-1183	4
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626	Population divergence in the ontogenetic trajectories of foliar terpenes of a <i>Eucalyptus</i> species. <b>2015</b> , 115, 159-70	11
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622	Isotope sensitive branching and kinetic isotope effects to analyse multiproduct terpenoid synthases from <i>Zea mays</i> . <b>2015</b> , 51, 3797-800		11
621	Identification of a fungal 1,8-cineole synthase from <i>Hypoxyylon</i> sp. with specificity determinants in common with the plant synthases. <b>2015</b> , 290, 8511-26		54
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618	Plasticity residues involved in secondary cyclization of terpene synthesis in <i>Taiwania cryptomerioides</i> . <b>2015</b> , 11, 1		7
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616	Natural products as biofuels and bio-based chemicals: fatty acids and isoprenoids. <b>2015</b> , 32, 1508-26		106
615	Identification, Functional Characterization, and Evolution of Terpene Synthases from a Basal Dicot. <b>2015</b> , 169, 1683-97		31
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610	Direct Contact - Sorptive Tape Extraction coupled with Gas Chromatography - Mass Spectrometry to reveal volatile topographical dynamics of lima bean ( <i>Phaseolus lunatus</i> L.) upon herbivory by <i>Spodoptera littoralis</i> Bois. <b>2015</b> , 15, 102		19
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499	Terpene Cyclizations inside a Supramolecular Catalyst: Leaving-Group-Controlled Product Selectivity and Mechanistic Studies. <b>2017</b> , 139, 11482-11492		73

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485	Chassis and key enzymes engineering for monoterpenes production. <b>2017</b> , 35, 1022-1031		17
484	Pathway engineering for the production of Emyrin and cycloartenol in <i>Escherichia coli</i> -a method to biosynthesize plant-derived triterpene skeletons in <i>E. coli</i> . <b>2017</b> , 101, 6615-6625		16
483	Chemical Composition and Antibacterial Action of <i>Robinia pseudoacacia</i> L. Flower Essential Oil on Membrane Permeability of Foodborne Pathogens. <b>2017</b> , 20, 632-645		4
482	Molecular cloning and functional characterization of a monoterpene synthase isolated from the aromatic wild shrub <i>Thymus albicans</i> . <b>2017</b> , 218, 35-44		8
481	Volatile terpenoids: multiple functions, biosynthesis, modulation and manipulation by genetic engineering. <b>2017</b> , 246, 803-816		95

480	Molecular cloning and expression analysis of a monoterpene synthase gene involved in floral scent production in lily ( <i>Lilium Siberia</i> ) <b>2017</b> , 64, 600-607	8
479	Variation in Floral Scent Compositions of Different Lily Hybrid Groups. <b>2017</b> , 142, 175-183	7
478	An (E,E)- $\beta$ -farnesene synthase gene of soybean has a role in defence against nematodes and is involved in synthesizing insect-induced volatiles. <b>2017</b> , 15, 510-519	26
477	Effect of Peels on Quality Attributes of Mango Puree Held for Different Times. <b>2017</b> , 41, e12946	1
476	Generation of expressed sequence tags for discovery of genes responsible for floral traits of <i>Chrysanthemum morifolium</i> by next-generation sequencing technology. <b>2017</b> , 18, 683	22
475	A Non-targeted Metabolomics Approach Unravels the VOCs Associated with the Tomato Immune Response against. <b>2017</b> , 8, 1188	19
474	The Terpene Synthase Gene Family of Carrot ( <i>L.</i> ): Identification of QTLs and Candidate Genes Associated with Terpenoid Volatile Compounds. <b>2017</b> , 8, 1930	43
473	Thymus Plants: A Review $\square$ Micropropagation, Molecular and Antifungal Activity. <b>2017</b> ,	10
472	Traditional Small-Size Citrus from Taiwan: Essential Oils, Bioactive Compounds and Antioxidant Capacity. <b>2017</b> , 4,	13
471	Biological Importance of Cotton By-Products Relative to Chemical Constituents of the Cotton Plant. <b>2017</b> , 22,	36
470	$\beta$ -Cimene, a Key Floral and Foliar Volatile Involved in Multiple Interactions between Plants and Other Organisms. <b>2017</b> , 22,	51
469	Screening of Deoxynivalenol Producing Strains and Elucidation of Possible Toxigenic Molecular Mechanism. <b>2017</b> , 9,	11
468	Identification of QTLs controlling aroma volatiles using a 'Fortune' x 'Murcott' ( <i>Citrus reticulata</i> ) population. <b>2017</b> , 18, 646	19
467	Intraspecific diversity of terpenes of <i>Eucalyptus camaldulensis</i> (Myrtaceae) at a continental scale. <b>2017</b> , 65, 257	15
466	RNA-Seq analysis of resistant and susceptible sub-tropical maize lines reveals a role for kauralexins in resistance to grey leaf spot disease, caused by <i>Cercospora zeina</i> . <b>2017</b> , 17, 197	24
465	Cloning and Expression Analysis of a Farnesyl Diphosphate Synthase (FPPS) Gene from <i>Chamaemelum nobile</i> . <b>2017</b> , 45, 358-364	2
464	Biochemical characterization of microbial type terpene synthases in two closely related species of hornworts, <i>Anthoceros punctatus</i> and <i>Anthoceros agrestis</i> . <i>Phytochemistry</i> , <b>2018</b> , 149, 116-122	4 16
463	The rice terpene synthase gene <i>OstPS19</i> functions as an (S)-limonene synthase in planta, and its overexpression leads to enhanced resistance to the blast fungus <i>Magnaporthe oryzae</i> . <b>2018</b> , 16, 1778-1787	35

462	High-Quality Jet Fuel Blend Production by Oxygen-Containing Terpenoids Hydroprocessing. <b>2018</b> , 6, 4871-4879	5
461	Chimeric Terpene Synthases Possessing both Terpene Cyclization and Prenyltransfer Activities. <b>2018</b> , 19, 1106	42
460	4-Fluorobenzaldehyde limonene-based thiosemicarbazone induces apoptosis in PC-3 human prostate cancer cells. <b>2018</b> , 203, 141-149	3
459	Direct production of dihydroxylated sesquiterpenoids by a maize terpene synthase. <b>2018</b> , 94, 847-856	19
458	De novo assembly and analysis of the <i>Artemisia argyi</i> transcriptome and identification of genes involved in terpenoid biosynthesis. <b>2018</b> , 8, 5824	17
457	An unexpected acid mediated rearrangement of monoethylene ketal of 2-methyl-2-(3-methylbut-2-en-1-yl)cyclohex-4-ene-1,3-diones to chromane. <b>2018</b> , 59, 1244-1248	1
456	Effect of a series of essential oil molecules on DPPC membrane fluidity: a biophysical study. <b>2018</b> , 15, 75-84	10
455	Biosynthesis and production of sabinene: current state and perspectives. <b>2018</b> , 102, 1535-1544	21
454	Antioxidant plant metabolites affect leaching of mineral elements from Callovo-Oxfordian clays. <b>2018</b> , 69, 348-359	
453	Enhanced structural diversity in terpenoid biosynthesis: enzymes, substrates and cofactors. <b>2018</b> , 16, 348-362	25
452	Tritrophic Interactions Mediated by Herbivore-Induced Plant Volatiles: Mechanisms, Ecological Relevance, and Application Potential. <b>2018</b> , 63, 433-452	275
451	Deciphering the genome and secondary metabolome of the plant pathogen <i>Fusarium culmorum</i> . <b>2018</b> , 94,	7
450	An Isotopic Labelling Strategy to Study Cytochrome P450 Oxidations of Terpenes. <b>2018</b> , 19, 1498-1501	3
449	Experiment and Simulation Reveal How Mutations in Functional Plasticity Regions Guide Plant Monoterpene Synthase Product Outcome. <b>2019</b> , 8, 3780-3791	20
448	Linalool and linalool nerolidol synthases in roses, several genes for little scent. <b>2018</b> , 127, 74-87	25
447	Morphology of glandular trichomes of Japanese catnip ( <i>Schizonepeta tenuifolia</i> Briquet) and developmental dynamics of their secretory activity. <i>Phytochemistry</i> , <b>2018</b> , 150, 23-30	4 20
446	Profiling of the Terpene Metabolome in Carrot Fruits of Wild ( <i>Daucus carota</i> L. ssp. <i>carota</i> ) Accessions and Characterization of a Geraniol Synthase. <b>2018</b> , 66, 2378-2386	10
445	Mechanistic studies of sesquiterpene cyclases based on their carbon isotope ratios at natural abundance. <b>2018</b> , 41, 39-49	2

444	Leaf rust infection reduces herbivore-induced volatile emission in black poplar and attracts a generalist herbivore. <b>2018</b> , 220, 760-772	29
443	Covariation and phenotypic integration in chemical communication displays: biosynthetic constraints and eco-evolutionary implications. <b>2018</b> , 220, 739-749	50
442	MTPSLs: New Terpene Synthases in Nonseed Plants. <b>2018</b> , 23, 121-128	34
441	Implementation of CsLIS/NES in linalool biosynthesis involves transcript splicing regulation in <i>Camellia sinensis</i> . <b>2018</b> , 41, 176-186	51
440	The terpene synthase gene family in <i>Gossypium hirsutum</i> harbors a linalool synthase GhTPS12 implicated in direct defence responses against herbivores. <b>2018</b> , 41, 261-274	30
439	Mutational analysis and dynamic simulation of S-limonene synthase reveal the importance of Y573: Insight into the cyclization mechanism in monoterpene synthases. <b>2018</b> , 638, 27-34	8
438	Structural Insights into the Substrate Recognition Mechanism of Arabidopsis GPP-Bound NUDX1 for Noncanonical Monoterpene Biosynthesis. <b>2018</b> , 11, 218-221	6
437	Cloning and characterization of geranylgeranyl diphosphate synthetase from <i>Pinus massoniana</i> and its correlation with resin productivity. <b>2018</b> , 29, 311-320	2
436	Antibacterial Properties of Essential Oil in Some Indonesian Herbs. <b>2018</b> ,	2
435	Lavandula Essential Oils: A Current Review of Applications in Medicinal, Food, and Cosmetic Industries of Lavender. <b>2018</b> , 13, 1934578X1801301	18
434	Genome-wide detection of terpene synthase genes in holy basil ( <i>Ocimum sanctum</i> L.). <b>2018</b> , 13, e0207097	15
433	Volatile Terpenes and Terpenoids from Workers and Queens of (Hymenoptera: Formicidae). <b>2018</b> , 23,	7
432	Growth and production of volatile compounds of yarrow ( <i>Achillea millefolium</i> L.) under different irrigation depths. <b>2018</b> , 90, 3901-3910	2
431	The occurrence and formation of monoterpenes in herbivore-damaged poplar roots. <b>2018</b> , 8, 17936	16
430	Terpene Synthase Genes in - Gene Characterization, Expression and Resulting Terpenes Due to Cockchafer Feeding. <b>2018</b> , 9, 1753	0
429	Transcriptome Analysis of Oleoresin-Producing Tree and Characterization of Sesquiterpene Synthases. <b>2018</b> , 9, 1619	5
428	Oxygenated sesquiterpenoids characteristic of a male lycaenid butterfly <i>Lycaeides argyrognomon praeterinsularis</i> . <b>2018</b> , 81, 109-111	0
427	Evolutionary Analysis of a Few Protein Superfamilies in <i>Ocimum tenuiflorum</i> . <b>2018</b> , 37-60	

426	Functional Analysis of Four Terpene Synthases in Rose-Scented Pelargonium Cultivars ( $\square$ ) and Evolution of Scent in the Genus. <b>2018</b> , 9, 1435	10
425	A comparative study of terpene composition in different clades of the genus Lavandula. <b>2018</b> , 165, 494-505	6
424	From Acetoin to ( Z )-3-Hexen-1-ol: The Diversity of Volatile Organic Compounds that Induce Plant Responses. <b>2018</b> , 66, 11197-11208	20
423	The expression of monoterpene synthase genes and their respective end products are affected by gibberellic acid in Thymus vulgaris. <b>2018</b> , 230, 101-108	4
422	Quercetin: Prooxidant Effect and Apoptosis in Cancer. <b>2018</b> , 265-288	4
421	Comparative transcriptome analysis to identify putative genes involved in thymol biosynthesis pathway in medicinal plant Trachyspermum ammi L. <b>2018</b> , 8, 13405	14
420	Slow-Starter Enzymes: Role of Active-Site Architecture in the Catalytic Control of the Biosynthesis of Taxadiene by Taxadiene Synthase. <b>2018</b> , 57, 3773-3779	21
419	Identification and characterization of a novel sesquiterpene synthase, 4-amorphen-11-ol synthase, from. <b>2018</b> , 35, 113-121	3
418	Intraspecific essential oil and anatomical variations of Salvia nemorosa L. (Labiatae) populations in Iran. <b>2018</b> , 123, 35-45	5
417	De novo assembly and comparative transcriptome analysis: novel insights into sesquiterpenoid biosynthesis in Matricaria chamomilla L.. <b>2018</b> , 40, 1	0
416	Transcriptome Characterization of Leaves and Identification of Genes Involved in $\square$ / $\square$ Pinene and $\square$ Caryophyllene Biosynthesis. <b>2018</b> , 9, 1231	8
415	An Integrative Volatile Terpenoid Profiling and Transcriptomics Analysis for Gene Mining and Functional Characterization of AvBPPS and AvPS Involved in the Monoterpenoid Biosynthesis in. <b>2018</b> , 9, 846	23
414	Divergence in tissue-specific expression patterns of genes associated with the terpenoid biosynthesis in two oregano species Origanum vulgare L., and Origanum majorana. <b>2018</b> , 123, 546-555	6
413	Essential Oils as Feed Additives-Future Perspectives. <b>2018</b> , 23,	59
412	Transcriptome analysis and identification of genes related to terpenoid biosynthesis in Cinnamomum camphora. <b>2018</b> , 19, 550	56
411	Functional Characterisation of New Sesquiterpene Synthase from the Malaysian Herbal Plant., <b>2018</b> , 23,	7
410	The Common Natural Products (S)- $\square$ -Terpineol and (E)-2-Hexenol are Important Pheromone Components of Megacyllene antennata (Coleoptera: Cerambycidae). <b>2018</b> , 47, 1547-1552	7
409	De novo formation of an aggregation pheromone precursor by an isoprenyl diphosphate synthase-related terpene synthase in the harlequin bug. <b>2018</b> , 115, E8634-E8641	27



408	Chemotypes and terpene synthase genes in <i>Thymus</i> genus: State of the art. <b>2018</b> , 124, 530-547	20
407	Identification and characterization of terpene synthase genes accounting for volatile terpene emissions in flowers of <i>Freesia x hybrida</i> . <b>2018</b> , 69, 4249-4265	51
406	Data Processing, Metabolomic Databases and Pathway Analysis. <b>2018</b> , 367-406	1
405	Engineering of Biomass Accumulation and Secondary Metabolite Production in Plant Cell and Tissue Cultures. <b>2018</b> , 169-194	4
404	RNA-Seq in the discovery of a sparsely expressed scent-determining monoterpene synthase in lavender ( <i>Lavandula</i> ). <b>2019</b> , 249, 271-290	14
403	In planta and in silico characterization of five sesquiterpene synthases from <i>Vitis vinifera</i> (cv. Shiraz) berries. <b>2019</b> , 249, 59-70	6
402	Effect of salt stress on terpenoid biosynthesis in <i>Salvia mirzayanii</i> : from gene to metabolite. <b>2019</b> , 94, 389-399	15
401	Endogenous plant metabolites against insects. <b>2019</b> , 154, 67-90	36
400	Traditional Uses, Chemical Constituents and Biological Activities of Plants from the Genus <i>Thymus</i> . <b>2019</b> , 16, e1900254	22
399	Unravelling the functions of biogenic volatiles in boreal and temperate forest ecosystems. <b>2019</b> , 138, 763-787	36
398	A <i>Hedychium coronarium</i> short chain alcohol dehydrogenase is a player in allo-ocimene biosynthesis. <b>2019</b> , 101, 297-313	5
397	Transcriptome Landscape Variation in the Genus. <b>2019</b> , 10,	9
396	Bioinformatics study of 1-deoxy-D-xylulose-5-phosphate synthase (DXS) genes in Solanaceae. <b>2019</b> , 46, 5175-5184	3
395	Integration of Metabolite Profiling and Transcriptome Analysis Reveals Genes Related to Volatile Terpenoid Metabolism in Finger Citron ( var. ). <b>2019</b> , 24,	16
394	Enhancing $\alpha$ -cedrol production in by fusion expression of farnesyl pyrophosphate synthase and $\alpha$ -cedrol synthase. <b>2019</b> , 19, 606-616	3
393	A Comprehensive Survey on the Terpene Synthase Gene Family Provides New Insight into Its Evolutionary Patterns. <b>2019</b> , 11, 2078-2098	28
392	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. <b>2019</b> , 10, 835	96
391	De novo transcriptome analysis of Tibetan medicinal plant <i>Dysphania schraderiana</i> . <b>2019</b> , 42, 480-487	5

390	Engineering the oleaginous yeast to produce limonene from waste cooking oil. <b>2019</b> , 12, 241	44
389	Volatile composition and classification of flower aroma types and identification, polymorphisms, and alternative splicing of their monoterpene synthase genes. <b>2019</b> , 6, 110	17
388	Chemical diversity of accessions of the in vivo germplasm bank of <i>Varronia curassavica</i> (Jacq.). <b>2019</b> , 42, e42726	2
387	Volatile and Sensory Profiles of Algerian Extra-Virgin Olive Oil from Souidi and Zeletni Cultivars. <b>2019</b> , 16, e1900297	4
386	Genetic control of $\beta$ -farnesene production in apple fruit and its role in fungal pathogenesis. <b>2019</b> , 100, 1148-1162	10
385	A Biomimetic Synthesis Elucidates the Origin of Preisolactone A. <b>2019</b> , 141, 15515-15518	32
384	Chemical volatiles present in cotton gin trash: A by-product of cotton processing. <b>2019</b> , 14, e0222146	2
383	Genomic characterization of the complete terpene synthase gene family from <i>Cannabis sativa</i> . <b>2019</b> , 14, e0222363	28
382	Phylogenetically distant group of terpene synthases participates in cadinene and cedrane-type sesquiterpenes accumulation in <i>Taiwania cryptomerioides</i> . <b>2019</b> , 289, 110277	6
381	Recent advances in allelopathy for weed control: from knowledge to applications. <b>2019</b> , 75, 2413-2436	83
380	Chemical convergence between plants and insects: biosynthetic origins and functions of common secondary metabolites. <b>2019</b> , 223, 52-67	42
379	Silent catalytic promiscuity in the high-fidelity terpene cyclase $\beta$ -cadinene synthase. <b>2019</b> , 17, 1206-1214	6
378	Transcriptome profiles of three Muscat table grape cultivars to dissect the mechanism of terpene biosynthesis. <b>2019</b> , 6, 89	1
377	Roles of plant volatiles in defence against microbial pathogens and microbial exploitation of volatiles. <b>2019</b> , 42, 2827-2843	83
376	Chemical Diversity and Insecticidal and Anti-tick Properties of Essential Oils of Plants from Northeast Brazil. <b>2019</b> , 235-258	1
375	Identification and characterization of (+)- $\beta$ -bisabolol and 7-epi-silphiperfol-5-ene synthases from <i>Artemisia abrotanum</i> . <i>Phytochemistry</i> , <b>2019</b> , 164, 144-153	4 8
374	Identification of Key Genes in the Synthesis Pathway of Volatile Terpenoids in Fruit of <i>Zanthoxylum bungeanum</i> Maxim. <b>2019</b> , 10, 328	8
373	Molecular and morphological characterization of new interspecific hybrids of <i>alstroemeria</i> originated from <i>A. caryophylleae</i> scented lines. <b>2019</b> , 215, 1	5

372	Carrot Volatile Terpene Metabolism: Terpene Diversity and Biosynthetic Genes. <b>2019</b> , 279-293	4
371	Exploring Plant Sesquiterpene Diversity by Generating Chemical Networks. <b>2019</b> , 7, 240	3
370	Terpenoids as Potential Targeted Therapeutics of Pancreatic Cancer: Current Advances and Future Directions. <b>2019</b> , 111-116	1
369	The Furan Shuffling Hypothesis: A Biogenetic Proposal for Eremophilane Sesquiterpenoids. <b>2019</b> , 131, 7078-7081	
368	The Furan Shuffling Hypothesis: A Biogenetic Proposal for Eremophilane Sesquiterpenoids. <b>2019</b> , 58, 7004-7007	5
367	Charting Angiosperm Chemistry: Evolutionary Perspective on Specialized Metabolites Reflected in Chemical Property Space. <b>2019</b> , 82, 798-812	5
366	Compartment specific chiral pinene emissions identified in a Maritime pine forest. <b>2019</b> , 654, 1158-1166	18
365	Reaction mechanism of non-enzymatic stereoselective formation of wine lactone. <b>2019</b> , 725, 114-118	
364	Identification and functional characterization of three new terpene synthase genes involved in chemical defense and abiotic stresses in <i>Santalum album</i> . <b>2019</b> , 19, 115	24
363	The accumulation and composition of essential oil in kumquat peel. <b>2019</b> , 252, 121-129	9
362	Catalytical Specificity, Reaction Mechanisms, and Conformational Changes during Catalysis of the Recombinant SUMO (+)-Zizaene Synthase from <i>Chrysopogon zizanioides</i> . <b>2019</b> , 4, 6199-6209	4
361	Synthetic Biology Approaches for the Production of Isoprenoids in <i>Escherichia coli</i> . <b>2019</b> , 311-329	3
360	(+)- and (-)-Preuisolactone A: A Pair of Caged Norsesquiterpenoidal Enantiomers with a Tricyclo[4.4.0.0]decane Carbon Skeleton from the Endophytic Fungus <i>Preussia isomera</i> . <b>2019</b> , 21, 1078-1081	23
359	Cytochrome P450 enzymes: A driving force of plant diterpene diversity. <i>Phytochemistry</i> , <b>2019</b> , 161, 149-162	70
358	Effects of smoking process on the aroma characteristics and sensory qualities of dried longan. <b>2019</b> , 287, 133-138	8
357	Root volatiles in plant-plant interactions I: High root sesquiterpene release is associated with increased germination and growth of plant neighbours. <b>2019</b> , 42, 1950-1963	32
356	Relative importance of host and plant semiochemicals in the foraging behavior of <i>Trichogramma achaeae</i> , an egg parasitoid of <i>Tuta absoluta</i> . <b>2019</b> , 92, 1479-1488	11
355	Linking Terpene Synthases to Sesquiterpene Metabolism in Grapevine Flowers. <b>2019</b> , 10, 177	8

354	RNAi targeting the gene for 1,8-cineole synthase induces recomposition of leaf essential oil in lavandin ( <i>Lavandula Intermedia</i> Emeric). <b>2019</b> , 55, 165-171		2
353	Characterisation of three terpene synthases for $\beta$ -barbatene, $\beta$ -branceosene and nephtenol from social amoebae. <b>2019</b> , 55, 13255-13258		7
352	Assessment of the phytochemical profiles of novel hop ( <i>Humulus lupulus</i> L.) cultivars: A potential route to beer crafting. <b>2019</b> , 275, 15-23		18
351	Functional characterization and expression analysis of two terpene synthases involved in floral scent formation in <i>Lilium 'Siberia'</i> . <b>2019</b> , 249, 71-93		34
350	Root colonization by <i>Pseudomonas chlororaphis</i> primes tomato ( <i>Lycopersicon esculentum</i> ) plants for enhanced tolerance to water stress. <b>2019</b> , 232, 82-93		33
349	An analysis of characterized plant sesquiterpene synthases. <i>Phytochemistry</i> , <b>2019</b> , 158, 157-165	4	19
348	Essential oils from <i>Varronia curassavica</i> (Cordiaceae) accessions and their compounds (E)-caryophyllene and $\beta$ -humulene as an alternative to control <i>Dorymyrmex thoracius</i> (Formicidae: Dolichoderinae). <b>2019</b> , 26, 6602-6612		11
347	Kauralexins and zealexins accumulate in sub-tropical maize lines and play a role in seedling resistance to <i>Fusarium verticillioides</i> . <b>2019</b> , 153, 223-237		3
346	Terpene profiling, transcriptome analysis and characterization of $\beta$ -terpineol synthase from. <b>2019</b> , 25, 47-57		5
345	Aromas. <b>2019</b> , 22-29		4
344	An IDS-Type Sesquiterpene Synthase Produces the Pheromone Precursor (Z)- $\beta$ -Bisabolene in <i>Nezara viridula</i> . <b>2019</b> , 45, 187-197		17
343	Structural Biology of Template-Directed Catalysis by Terpene Synthases. <b>2020</b> , 613-643		
342	Optimization of factors influencing enzyme activity and product selectivity and the role of proton transfer in the catalytic mechanism of patchoulol synthase. <b>2020</b> , 36, e2935		3
341	Sequencing and variation of terpene synthase gene (TPS2) as the major gene in biosynthesis of thymol in different <i>Thymus</i> species. <i>Phytochemistry</i> , <b>2020</b> , 169, 112126	4	11
340	Taming the Reactivity of Monoterpene Synthases To Guide Regioselective Product Hydroxylation. <b>2020</b> , 21, 985-990		8
339	Genome-wide investigation of WRKY transcription factors in sweet osmanthus and their potential regulation of aroma synthesis. <b>2020</b> , 40, 557-572		15
338	A paradigm of volatile aroma compounds in rice and their product with extraction and identification methods: A comprehensive review. <b>2020</b> , 130, 108924		26
337	Terpenes and Terpenoids in Plants: Interactions with Environment and Insects. <b>2020</b> , 21,		60

336	Physiological and Transcriptome Analysis of Sugar Beet Reveals Different Mechanisms of Response to Neutral Salt and Alkaline Salt Stresses. <b>2020</b> , 11, 571864		10
335	Two farnesyl pyrophosphate synthases, GhFPS1 $\alpha$ , in <i>Gossypium hirsutum</i> are involved in the biosynthesis of farnesol to attract parasitoid wasps. <b>2020</b> , 19, 2274-2285		3
334	Glandular trichome-derived sesquiterpenes of wild tomato accessions ( <i>Solanum habrochaites</i> ) affect aphid performance and feeding behavior. <i>Phytochemistry</i> , <b>2020</b> , 180, 112532	4	13
333	Production of multiple terpenes of different chain lengths by subcellular targeting of multi-substrate terpene synthase in plants. <b>2020</b> , 61, 397-405		4
332	Combined transcriptome sequencing and prokaryotic expression to investigate the key enzyme in the 2-C-methylerythritol-4-phosphate pathway of <i>Osmanthus fragrans</i> . <b>2020</b> , 47, 945-958		0
331	The reconstruction and biochemical characterization of ancestral genes furnish insights into the evolution of terpene synthase function in the Poaceae. <b>2020</b> , 104, 203-215		5
330	Analysis of Relative Scent Intensity, Volatile Compounds and Gene Expression in "Shiny Gold". <b>2020</b> , 9,		5
329	<i>Corymbia citriodora</i> : A Valuable Resource from Australian Flora for the Production of Fragrances, Repellents, and Bioactive Compounds. <b>2020</b> , 7, 170-192		1
328	Plant Volatile Organic Compounds Evolution: Transcriptional Regulation, Epigenetics and Polyploidy. <b>2020</b> , 21,		13
327	Chemical Composition and Antioxidant Potential of Fruit Essential Oil of <i>Laggera pterodonta</i> (DC.) Benth Grown in North Central, Nigeria. <b>2020</b> , 10, 405-410		3
326	Isolation and functional characterization of four microbial type terpene synthases from ferns. <b>2020</b> , 155, 716-724		1
325	The biosynthesis of the anti-microbial diterpenoid leubethanol in <i>Leucophyllum frutescens</i> proceeds via an all-cis prenyl intermediate. <b>2020</b> , 104, 693-705		3
324	Origin and functional differentiation of (E)- $\beta$ -cimene synthases reflect the expansion of monoterpenes in angiosperms. <b>2020</b> , 71, 6571-6586		3
323	Functional Characterization of Terpene Synthases Accounting for the Volatilized-Terpene Heterogeneity in <i>Lathyrus odoratus</i> Cultivar Flowers. <b>2020</b> , 61, 1733-1749		7
322	Diversification of petal monoterpene profiles during floral development and senescence in wild roses: relationships among geraniol content, petal colour, and floral lifespan. <b>2021</b> , 197, 957-969		6
321	Identification and characterization of two sesquiterpene synthase genes involved in volatile-mediated defense in tea plant ( <i>Camellia sinensis</i> ). <b>2020</b> , 155, 650-657		6
320	Protective Effects of (-)- $\beta$ -Caryophyllene (BCP) in Chronic Inflammation. <b>2020</b> , 12,		18
319	Total Synthesis of Beshanzuenone D and Its Epimers and Abiespiroside A. <b>2020</b> , 22, 8561-8565		3

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317	Computational identification of maize miRNA and their gene targets involved in biotic and abiotic stresses. <b>2020</b> , 45, 1	2
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