Tobias G KÃ¶llner

List of Publications by Year
in descending order

132 papers	9,585 citations	38742 50 h-index	42399 92 g-index
142 all docs	142 docs citations	142 times ranked	7987 citing authors

#	Article	IF	Citations
1	Biosynthesis and antifungal activity of fungus-induced <i>O</i>-methylated flavonoids in maize. Plant Physiology, 2022, 188, 167-190.	4.8	32
2	Isotopic Labeling Experiments Solve the Hedycaryol Problem. Organic Letters, 2022, 24, 587-591.	4.6	9
3	Comparative Genomic and Metabolomic Analysis of <i>Termitomyces</i> Species Provides Insights into the Terpenome of the Fungal Cultivar and the Characteristic Odor of the Fungus Garden of <i>Macrotermes natalensis</i> Termites. MSystems, 2022, 7, e0121421.	3.8	8
4	The wheat dioxygenase BX6 is involved in the formation of benzoxazinoids in planta and contributes to plant defense against insect herbivores. Plant Science, 2022, 316, 111171.	3.6	9
5	Evolution of DIMBOA-Glc O-Methyltransferases from Flavonoid O-Methyltransferases in the Grasses. Molecules, 2022, 27, 1007.	3.8	2
6	Origin and early evolution of the plant terpene synthase family. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2100361119.	7.1	48
7	Dynamic regulation of volatile terpenoid production and emission from Chrysanthemum morifolium capitula. Plant Physiology and Biochemistry, 2022, 182, 11-21.	5.8	7
8	CRISPR/Cas9 disruption of <i>UGT71L1</i> in poplar connects salicinoid and salicylic acid metabolism and alters growth and morphology. Plant Cell, 2022, 34, 2925-2947.	6.6	8
9	Growing up aspen: ontogeny and trade-offs shape growth, defence and reproduction in a foundation species. Annals of Botany, 2021, 127, 505-517.	2.9	25
10	Mechanistic divergence between (4<i>S</i>,7<i>R</i>)-germacra-(1(10)<i>E</i>,5<i>E</i>)-dien-11-ol synthases from <i>Dictyostelium purpureum</i> and <i>Streptomyces coelicolor</i>. Organic and Biomolecular Chemistry, 2021, 19, 370-374.	2.8	5
11	The Sesquiterpene Synthase PtTPS5 Produces (1S,5S,7R,10R)-Guaia-4(15)-en-11-ol and (1S,7R,10R)-Guaia-4-en-11-ol in Oomycete-Infected Poplar Roots. Molecules, 2021, 26, 555.	3.8	11
12	A peroxisomal Î²-oxidative pathway contributes to the formation of C6â€“C1 aromatic volatiles in poplar. Plant Physiology, 2021, 186, 891-909.	4.8	12
13	Poplar protease inhibitor expression differs in an herbivore specific manner. BMC Plant Biology, 2021, 21, 170.	3.6	5
14	Phylogeny and abiotic conditions shape the diel floral emission patterns of desert Brassicaceae species. Plant, Cell and Environment, 2021, 44, 2656-2671.	5.7	6
15	Volatile emission and biosynthesis in endophytic fungi colonizing black poplar leaves. Beilstein Journal of Organic Chemistry, 2021, 17, 1698-1711.	2.2	3
16	Sesquiterpene biosynthesis in a leafy liverwort Radula lindenbergiana Gottsche ex C. Hartm. Phytochemistry, 2021, 190, 112847.	2.9	5
17	Diversity and Biosynthesis of Volatile Terpenoid Secondary Metabolites in the <i>Chrysanthemum</i> Genus. Critical Reviews in Plant Sciences, 2021, 40, 422-445.	5.7	6
18	Evolution of a Novel and Adaptive Floral Scent in Wild Tobacco. Molecular Biology and Evolution, 2020, 37, 1090-1099.	8.9	14

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19	The reconstruction and biochemical characterization of ancestral genes furnish insights into the evolution of terpene synthase function in the Poaceae. Plant Molecular Biology, 2020, 104, 203-215.	3.9	11
20	Genetic elucidation of interconnected antibiotic pathways mediating maize innate immunity. Nature Plants, 2020, 6, 1375-1388.	9.3	52
21	Evolution of isoprenyl diphosphate synthase-like terpene synthases in fungi. Scientific Reports, 2020, 10, 14944.	3.3	14
22	Diverse Terpenoids and Their Associated Antifungal Properties from Roots of Different Cultivars of Chrysanthemum Morifolium Ramat. Molecules, 2020, 25, 2083.	3.8	16
23	Allelic differences of clustered terpene synthases contribute to correlated intraspecific variation of floral and herbivoryâ€induced volatiles in a wild tobacco. New Phytologist, 2020, 228, 1083-1096.	7.3	11
24	The Product Specificities of Maize Terpene Synthases TPS4 and TPS10 Are Determined Both by Active Site Amino Acids and Residues Adjacent to the Active Site. Plants, 2020, 9, 552.	3.5	8
25	A light-dependent molecular link between competition cues and defence responses in plants. Nature Plants, 2020, 6, 223-230.	9.3	92
26	Combinatorial Evolution of a Terpene Synthase Gene Cluster Explains Terpene Variations in <i>Oryza</i>. Plant Physiology, 2020, 182, 480-492.	4.8	33
27	Structure elucidation of the redox cofactor mycofactocin reveals oligo-glycosylation by MftF. Chemical Science, 2020, 11, 5182-5190.	7.4	13
28	Composition and Biosynthesis of Scent Compounds from Sterile Flowers of an Ornamental Plant Clematis florida cv. â€˜Kaiserâ€™. Molecules, 2020, 25, 1711.	3.8	11
29	The Occurrence of Sulfated Salicinoids in Poplar and Their Formation by Sulfotransferase1. Plant Physiology, 2020, 183, 137-151.	4.8	12
30	Aboveground phytochemical responses to belowground herbivory in poplar trees and the consequence for leaf herbivore preference. Plant, Cell and Environment, 2019, 42, 3293-3307.	5.7	8
31	Terpene Synthase Genes Originated from Bacteria through Horizontal Gene Transfer Contribute to Terpenoid Diversity in Fungi. Scientific Reports, 2019, 9, 9223.	3.3	31
32	An unbiased approach elucidates variation in (<i>S</i>)-(+)-linalool, a context-specific mediator of a tri-trophic interaction in wild tobacco. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 14651-14660.	7.1	41
33	Identification and Characterization of trans-Isopentenyl Diphosphate Synthases Involved in Herbivory-Induced Volatile Terpene Formation in Populus trichocarpa. Molecules, 2019, 24, 2408.	3.8	12
34	Identification and evolution of glucosinolate sulfatases in a specialist flea beetle. Scientific Reports, 2019, 9, 15725.	3.3	15
35	Biosynthesis and Emission of Stress-Induced Volatile Terpenes in Roots and Leaves of Switchgrass (Panicum virgatum L.). Frontiers in Plant Science, 2019, 10, 1144.	3.6	44
36	Phenylacetaldehyde synthase 2 does not contribute to the constitutive formation of 2-phenylethyl-Î²-D-glucopyranoside in poplar. Plant Signaling and Behavior, 2019, 14, 1668233.	2.4	2

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37	Chemical convergence between plants and insects: biosynthetic origins and functions of common secondary metabolites. New Phytologist, 2019, 223, 52-67.	7.3	90
38	Herbivore-induced volatile emission from old-growth black poplar trees under field conditions. Scientific Reports, 2019, 9, 7714.	3.3	21
39	Biosynthesis of methyl (E)-cinnamate in the liverwort Conocephalum salebrosum and evolution of cinnamic acid methyltransferase. Phytochemistry, 2019, 164, 50-59.	2.9	7
40	Separate Pathways Contribute to the Herbivore-Induced Formation of 2-Phenylethanol in Poplar. Plant Physiology, 2019, 180, 767-782.	4.8	22
41	Root volatiles in plantâ€“plant interactions I: High root sesquiterpene release is associated with increased germination and growth of plant neighbours. Plant, Cell and Environment, 2019, 42, 1950-1963.	5.7	57
42	Characterisation of three terpene synthases for Î²-barbatene, Î²-araneosene and nephthenol from social amoebae. Chemical Communications, 2019, 55, 13255-13258.	4.1	10
43	Characterization of Composition and Antifungal Properties of Leaf Secondary Metabolites from Thirteen Cultivars of Chrysanthemum morifolium Ramat. Molecules, 2019, 24, 4202.	3.8	22
44	Emission and biosynthesis of volatile terpenoids from the plasmodial slime mold Physarum polycephalum. Beilstein Journal of Organic Chemistry, 2019, 15, 2872-2880.	2.2	4
45	Terpene Biosynthesis in Red Algae Is Catalyzed by Microbial Type But Not Typical Plant Terpene Synthases. Plant Physiology, 2019, 179, 382-390.	4.8	40
46	An IDS-Type Sesquiterpene Synthase Produces the Pheromone Precursor (Z)-Î±-Bisabolene in Nezara viridula. Journal of Chemical Ecology, 2019, 45, 187-197.	1.8	30
47	A terpene synthase-cytochrome P450 cluster in Dictyostelium discoideum produces a novel trisnorsesquiterpene. ELife, 2019, 8, .	6.0	11
48	Biochemical characterization of microbial type terpene synthases in two closely related species of hornworts, Anthoceros punctatus and Anthoceros agrestis. Phytochemistry, 2018, 149, 116-122.	2.9	20
49	The rice terpene synthase gene <i>Os<scp>TPS</scp>19</i> functions as an (<i>S</i>)â€limonene synthase <i>in planta,</i> and its overexpression leads to enhanced resistance to the blast fungus <i>Magnaporthe oryzae</i>. Plant Biotechnology Journal, 2018, 16, 1778-1787.	8.3	79
50	Covariation and phenotypic integration in chemical communication displays: biosynthetic constraints and ecoâ€evolutionary implications. New Phytologist, 2018, 220, 739-749.	7.3	101
51	MTPSLs: New Terpene Synthases in Nonseed Plants. Trends in Plant Science, 2018, 23, 121-128.	8.8	48
52	The terpene synthase gene family in <scp><i>Gossypium hirsutum</i></scp> harbors a linalool synthase GhTPS12 implicated in direct defence responses against herbivores. Plant, Cell and Environment, 2018, 41, 261-274.	5.7	68
53	The occurrence and formation of monoterpenes in herbivore-damaged poplar roots. Scientific Reports, 2018, 8, 17936.	3.3	31
54	Convergent evolution of a metabolic switch between aphid and caterpillar resistance in cereals. Science Advances, 2018, 4, eaat6797.	10.3	58

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55	Diversity and Functional Evolution of Terpene Synthases in Dictyostelid Social Amoebae. Scientific Reports, 2018, 8, 14361.	3.3	11
56	The nitrilase PtNIT1 catabolizes herbivore-induced nitriles in Populus trichocarpa. BMC Plant Biology, 2018, 18, 251.	3.6	13
57	The maize W22 genome provides a foundation for functional genomics and transposon biology. Nature Genetics, 2018, 50, 1282-1288.	21.4	183
58	De novo formation of an aggregation pheromone precursor by an isoprenyl diphosphate synthase-related terpene synthase in the harlequin bug. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E8634-E8641.	7.1	43
59	Plant iron acquisition strategy exploited by an insect herbivore. Science, 2018, 361, 694-697.	12.6	98
60	Tissue-Specific Emission of (E)-Î±-Bergamotene Helps Resolve the Dilemma When Pollinators Are Also Herbivores. Current Biology, 2017, 27, 1336-1341.	3.9	67
61	Selinene Volatiles Are Essential Precursors for Maize Defense Promoting Fungal Pathogen Resistance. Plant Physiology, 2017, 175, 1455-1468.	4.8	61
62	Mechanisms of the Diterpene Cyclases Î²â€Pinacene Synthase from <i>Dictyostelium discoideum</i> and Hydropyrene Synthase from <i>Streptomyces clavuligerus</i>. Chemistry - A European Journal, 2017, 23, 10501-10505.	3.3	53
63	CYP79 P450 monooxygenases in gymnosperms: CYP79A118 is associated with the formation of taxiphyllin in Taxus baccata. Plant Molecular Biology, 2017, 95, 169-180.	3.9	31
64	An (<i>E,E</i>)â€Î±â€farnesene synthase gene of soybean has a role in defence against nematodes and is involved in synthesizing insectâ€induced volatiles. Plant Biotechnology Journal, 2017, 15, 510-519.	8.3	61
65	Four terpene synthases contribute to the generation of chemotypes in tea tree (Melaleuca) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5	3.6	17
66	A Latex Metabolite Benefits Plant Fitness under Root Herbivore Attack. PLoS Biology, 2016, 14, e1002332.	5.6	71
67	Terpencyclasen aus sozialen AmÃ¶ben. Angewandte Chemie, 2016, 128, 15646-15649.	2.0	33
68	Novel family of terpene synthases evolved from <i>trans</i> -isoprenyl diphosphate synthases in a flea beetle. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 2922-2927.	7.1	72
69	Characterization of Biosynthetic Pathways for the Production of the Volatile Homoterpenes DMNT and TMTT in <i>Zea mays</i>. Plant Cell, 2016, 28, 2651-2665.	6.6	105
70	Microbial-type terpene synthase genes occur widely in nonseed land plants, but not in seed plants. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 12328-12333.	7.1	70
71	Terpene synthase genes in eukaryotes beyond plants and fungi: Occurrence in social amoebae. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 12132-12137.	7.1	92
72	Terpene Cyclases from Social Amoebae. Angewandte Chemie - International Edition, 2016, 55, 15420-15423.	13.8	73

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73	CYP79D enzymes contribute to jasmonic acid-induced formation of aldoximes and other nitrogenous volatiles in two Erythroxylum species. BMC Plant Biology, 2016, 16, 215.	3.6	27
74	Biosynthesis of 8-O-methylated benzoxazinoid defense compounds in maize. Plant Cell, 2016, 28, tpc.00065.2016.	6.6	87
75	One amino acid makes the difference: the formation of ent-kaurene and 16Î±-hydroxy-ent-kaurane by diterpene synthases in poplar. BMC Plant Biology, 2015, 15, 262.	3.6	30
76	Substrate geometry controls the cyclization cascade in multiproduct terpene synthases from Zea mays. Organic and Biomolecular Chemistry, 2015, 13, 6021-6030.	2.8	5
77	Isotope sensitive branching and kinetic isotope effects to analyse multiproduct terpenoid synthases from Zea mays. Chemical Communications, 2015, 51, 3797-3800.	4.1	13
78	Functional characterization of two acyltransferases from Populus trichocarpa capable of synthesizing benzyl benzoate and salicyl benzoate, potential intermediates in salicinoid phenolic glycoside biosynthesis. Phytochemistry, 2015, 113, 149-159.	2.9	36
79	Defensive weapons and defense signals in plants: Some metabolites serve both roles. BioEssays, 2015, 37, 167-174.	2.5	104
80	Volatile squalene from a nonseed plant Selaginella moellendorffii : Emission and biosynthesis. Plant Physiology and Biochemistry, 2015, 96, 1-8.	5.8	9
81	Beetle feeding induces a different volatile emission pattern from black poplar foliage than caterpillar herbivory. Plant Signaling and Behavior, 2015, 10, e987522.	2.4	12
82	Colonization by arbuscular mycorrhizal and endophytic fungi enhanced terpene production in tomato plants and their defense against a herbivorous insect. Symbiosis, 2015, 65, 65-74.	2.3	117
83	A small, differentially regulated family of farnesyl diphosphate synthases in maize (Zea mays) provides farnesyl diphosphate for the biosynthesis of herbivore-induced sesquiterpenes. Planta, 2015, 241, 1351-1361.	3.2	37
84	The maize cytochrome P450 CYP79A61 produces phenylacetaldoxime and indole-3-acetaldoxime in heterologous systems and might contribute to plant defense and auxin formation. BMC Plant Biology, 2015, 15, 128.	3.6	49
85	The Eucalyptus terpene synthase gene family. BMC Genomics, 2015, 16, 450.	2.8	125
86	Positive Darwinian selection is a driving force for the diversification of terpenoid biosynthesis in the genus Oryza. BMC Plant Biology, 2014, 14, 239.	3.6	33
87	Terpene synthases and their contribution to herbivore-induced volatile emission in western balsam poplar (Populus trichocarpa). BMC Plant Biology, 2014, 14, 270.	3.6	86
88	The timing of herbivore-induced volatile emission in black poplar (Populus nigra) and the influence of herbivore age and identity affect the value of individual volatiles as cues for herbivore enemies. BMC Plant Biology, 2014, 14, 304.	3.6	42
89	Infection of Corn Ears by <i>Fusarium</i> spp. Induces the Emission of Volatile Sesquiterpenes. Journal of Agricultural and Food Chemistry, 2014, 62, 5226-5236.	5.2	33
90	Herbivoreâ€induced volatile emission in black poplar: regulation and role in attracting herbivore enemies. Plant, Cell and Environment, 2014, 37, 1909-1923.	5.7	120

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91	Herbivoreâ€induced poplar cytochrome P450 enzymes of the <scp>CYP</scp>71 family convert aldoximes to nitriles which repel a generalist caterpillar. Plant Journal, 2014, 80, 1095-1107.	5.7	105
92	Localization of sesquiterpene formation and emission in maize leaves after herbivore damage. BMC Plant Biology, 2013, 13, 15.	3.6	43
93	Stereochemical mechanism of two sabinene hydrate synthases forming antipodal monoterpenes in thyme (Thymus vulgaris). Archives of Biochemistry and Biophysics, 2013, 529, 112-121.	3.0	15
94	Theoretical and Experimental Analysis of the Reaction Mechanism of MrTPS2, a Triquinaneâ€Forming Sesquiterpene Synthase from Chamomile. Chemistry - A European Journal, 2013, 19, 13590-13600.	3.3	30
95	Identification and characterization of (E)-Î²-caryophyllene synthase and Î±/Î²-pinene synthase potentially involved in constitutive and herbivore-induced terpene formation in cotton. Plant Physiology and Biochemistry, 2013, 73, 302-308.	5.8	68
96	Two Herbivore-Induced Cytochrome P450 Enzymes CYP79D6 and CYP79D7 Catalyze the Formation of Volatile Aldoximes Involved in Poplar Defense Â. Plant Cell, 2013, 25, 4737-4754.	6.6	104
97	Natural Variation in Maize Aphid Resistance Is Associated with 2,4-Dihydroxy-7-Methoxy-1,4-Benzoxazin-3-One Glucoside Methyltransferase Activity Â. Plant Cell, 2013, 25, 2341-2355.	6.6	251
98	Gene Coexpression Analysis Reveals Complex Metabolism of the Monoterpene Alcohol Linalool in<i>Arabidopsis</i>Flowers Â. Plant Cell, 2013, 25, 4640-4657.	6.6	104
99	Identification and characterization of CYP79D6v4, a cytochrome P450 enzyme producing aldoximes in black poplar (<i>Populus nigra</i>). Plant Signaling and Behavior, 2013, 8, e27640.	2.4	16
100	Nonseed plant <i>Selaginella moellendorffii</i> 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.	7.1	103
101	The organ-specific expression of terpene synthase genes contributes to the terpene hydrocarbon composition of chamomile essential oils. BMC Plant Biology, 2012, 12, 84.	3.6	66
102	Elucidating the Formation of Geranyllinalool, the Precursor of the Volatile C16-Homoterpene TMTT Involved in Indirect Plant Defense. , 2012, , 185-198.		0
103	A specialist root herbivore exploits defensive metabolites to locate nutritious tissues. Ecology Letters, 2012, 15, 55-64.	6.4	146
104	Dynamic evolution of herbivoreâ€induced sesquiterpene biosynthesis in sorghum and related grass crops. Plant Journal, 2012, 69, 70-80.	5.7	64
105	Two enzymes responsible for the formation of herbivoreâ€induced volatiles of maize, the methyltransferase AAMT1 and the terpene synthase TPS23, are regulated by a similar signal transduction pathway. Entomologia Experimentalis Et Applicata, 2012, 144, 86-92.	1.4	6
106	A single amino acid determines the site of deprotonation in the active center of sesquiterpene synthases SbTPS1 and SbTPS2 from Sorghum bicolor. Phytochemistry, 2012, 75, 6-13.	2.9	19
107	The role of abscisic acid and water stress in root herbivoreâ€induced leaf resistance. New Phytologist, 2011, 189, 308-320.	7.3	103
108	Four terpene synthases produce major compounds of the gypsy moth feeding-induced volatile blend of Populus trichocarpa. Phytochemistry, 2011, 72, 897-908.	2.9	77

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109	Functional and evolutionary relationships between terpene synthases from Australian Myrtaceae. Phytochemistry, 2010, 71, 844-852.	2.9	59
110	The molecular basis of host plant selection in Melaleuca quinquenervia by a successful biological control agent. Phytochemistry, 2010, 71, 1237-1244.	2.9	38
111	Expression profiling of various genes during the fruit development and ripening of mango. Plant Physiology and Biochemistry, 2010, 48, 426-433.	5.8	55
112	Herbivore-Induced SABATH Methyltransferases of Maize That Methylate Anthranilic Acid Using <i>S</i>-Adenosyl-<scp>l</scp>-Methionine Â. Plant Physiology, 2010, 153, 1795-1807.	4.8	80
113	A Multiproduct Terpene Synthase from <i>Medicago truncatula</i> Generates Cadalane Sesquiterpenes via Two Different Mechanisms. Journal of Organic Chemistry, 2010, 75, 5590-5600.	3.2	64
114	Restoring a maize root signal that attracts insect-killing nematodes to control a major pest. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 13213-13218.	7.1	298
115	Changes in volatile composition during fruit development and ripening of â€˜Alphonsoâ€™ mango. Journal of the Science of Food and Agriculture, 2009, 89, 2071-2081.	3.5	52
116	Within-plant distribution and emission of sesquiterpenes from Copaifera officinalis. Plant Physiology and Biochemistry, 2009, 47, 1017-1023.	5.8	40
117	Molecular and biochemical evolution of maize terpene synthase 10, an enzyme of indirect defense. Phytochemistry, 2009, 70, 1139-1145.	2.9	80
118	Monoterpene and sesquiterpene synthases and the origin of terpene skeletal diversity in plants. Phytochemistry, 2009, 70, 1621-1637.	2.9	891
119	Molecular and genomic basis of volatileâ€mediated indirect defense against insects in rice. Plant Journal, 2008, 55, 491-503.	5.7	163
120	Identification and Regulation of TPS04/GES, an<i>Arabidopsis</i>Geranyllinalool Synthase Catalyzing the First Step in the Formation of the Insect-Induced Volatile C16-Homoterpene TMTT. Plant Cell, 2008, 20, 1152-1168.	6.6	136
121	Elucidation of the genomic basis of indirect plant defense against insects. Plant Signaling and Behavior, 2008, 3, 720-721.	2.4	5
122	A Maize (<i>E</i>)-Î²-Caryophyllene Synthase Implicated in Indirect Defense Responses against Herbivores Is Not Expressed in Most American Maize Varieties. Plant Cell, 2008, 20, 482-494.	6.6	422
123	Protonation of a Neutral (S)-Î²-Bisabolene Intermediate Is Involved in (S)-Î²-Macrocarpene Formation by the Maize Sesquiterpene Synthases TPS6 and TPS11. Journal of Biological Chemistry, 2008, 283, 20779-20788.	3.4	89
124	Characterization of the Monoterpene Synthase Gene <i>tps26</i>, the Ortholog of a Gene Induced by Insect Herbivory in Maize Â Â. Plant Physiology, 2008, 146, 940-951.	4.8	36
125	Functional Expression and Characterization of Trichome-Specific (-)-Limonene Synthase and (+)-Î±-Pinene Synthase from<i>Cannabis sativa</i>. Natural Product Communications, 2007, 2, 1934578X0700200.	0.5	14
126	Two pockets in the active site of maize sesquiterpene synthase TPS4 carry out sequential parts of the reaction scheme resulting in multiple products. Archives of Biochemistry and Biophysics, 2006, 448, 83-92.	3.0	51

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127	The products of a single maize sesquiterpene synthase form a volatile defense signal that attracts natural enemies of maize herbivores. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 1129-1134.	7.1	491
128	Recruitment of entomopathogenic nematodes by insect-damaged maize roots. Nature, 2005, 434, 732-737.	27.8	1,099
129	Costs of induced volatile production in maize. Oikos, 2004, 105, 168-180.	2.7	65
130	The sesquiterpene hydrocarbons of maize (Zea mays) form five groups with distinct developmental and organ-specific distributions. Phytochemistry, 2004, 65, 1895-1902.	2.9	119
131	The Variability of Sesquiterpenes Emitted from Two Zea mays Cultivars Is Controlled by Allelic Variation of Two Terpene Synthase Genes Encoding Stereoselective Multiple Product Enzymes. Plant Cell, 2004, 16, 1115-1131.	6.6	206
132	The Maize Gene terpene synthase 1 Encodes a Sesquiterpene Synthase Catalyzing the Formation of (E)-Î²-Farnesene, (E)-Nerolidol, and (E,E)-Farnesol after Herbivore Damage. Plant Physiology, 2002, 130, 2049-2060.	4.8	226