

Thomas Vogt

List of Publications by Year in descending order

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34
papers

4,625
citations

257450

24
h-index

414414

32
g-index

35
all docs

35
docs citations

35
times ranked

6339
citing authors

#	ARTICLE	IF	CITATIONS
1	The terminal enzymatic step in piperine biosynthesis is localized with the product piperine in specialized cells of black pepper (<i>Piper nigrum</i> L.). <i>Plant Journal</i> , 2022, 111, 731-747.	5.7	4
2	<i>Piper nigrum</i> CYP719A37 Catalyzes the Decisive Methylenedioxy Bridge Formation in Piperine Biosynthesis. <i>Plants</i> , 2021, 10, 128.	3.5	15
3	Identification and characterization of piperine synthase from black pepper, <i>Piper nigrum</i> L.. <i>Communications Biology</i> , 2021, 4, 445.	4.4	19
4	Engineering Betalain Biosynthesis in Tomato for High Level Betanin Production in Fruits. <i>Frontiers in Plant Science</i> , 2021, 12, 682443.	3.6	30
5	A piperic acid CoA ligase produces a putative precursor of piperine, the pungent principle from black pepper fruits. <i>Plant Journal</i> , 2020, 102, 569-581.	5.7	16
6	The Tapetal Major Facilitator NPF2.8 Is Required for Accumulation of Flavonol Glycosides on the Pollen Surface in <i>Arabidopsis thaliana</i> . <i>Plant Cell</i> , 2020, 32, 1727-1748.	6.6	28
7	Unusual spermine-conjugated hydroxycinnamic acids on pollen: function and evolutionary advantage. <i>Journal of Experimental Botany</i> , 2018, 69, 5311-5315.	4.8	17
8	Osmotic stress is accompanied by protein glycation in <i>Arabidopsis thaliana</i> . <i>Journal of Experimental Botany</i> , 2016, 67, 6283-6295.	4.8	47
9	A catalytic triad "Lys-Asn-Asp" Is essential for the catalysis of the methyl transfer in plant cation-dependent O-methyltransferases. <i>Phytochemistry</i> , 2015, 113, 130-139.	2.9	14
10	Evolutionarily conserved phenylpropanoid pattern on angiosperm pollen. <i>Trends in Plant Science</i> , 2015, 20, 212-218.	8.8	50
11	A single amino acid determines position specificity of an <i>Arabidopsis thaliana</i> CCoAOMT-like O-methyltransferase. <i>FEBS Letters</i> , 2013, 587, 683-689.	2.8	34
12	Polyamine Homeostasis in Wild Type and Phenolamide Deficient <i>Arabidopsis thaliana</i> Stamens. <i>Frontiers in Plant Science</i> , 2012, 3, 180.	3.6	27
13	The role of CCoAOMT1 and COMT1 in <i>Arabidopsis</i> anthers. <i>Planta</i> , 2012, 236, 51-61.	3.2	30
14	<i>Arabidopsis</i> methyltransferase fingerprints by affinity-based protein profiling. <i>Analytical Biochemistry</i> , 2011, 408, 220-225.	2.4	13
15	Profiling of hydroxycinnamic acid amides in <i>Arabidopsis thaliana</i> pollen by tandem mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 398, 2789-2801.	3.7	43
16	Phenylpropanoid Biosynthesis. <i>Molecular Plant</i> , 2010, 3, 2-20.	8.3	2,042
17	Corrigendum to "Cations modulate the substrate specificity of bifunctional class IO-methyltransferase from <i>Ammi majus</i> " [FEBS Lett. 577 (2004) 367-370]. <i>FEBS Letters</i> , 2009, 583, 855-855.	2.8	0
18	Phenylpropanoid polyamine conjugate biosynthesis in <i>Arabidopsis thaliana</i> flower buds. <i>Phytochemistry</i> , 2009, 70, 1392-1400.	2.9	67

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19	Tapetum-specific location of a cation-dependent O-methyltransferase in <i>Arabidopsis thaliana</i> . <i>Plant Journal</i> , 2008, 56, 132-145.	5.7	58
20	Biochemical and Structural Analysis of Substrate Promiscuity in Plant Mg ²⁺ -Dependent O-Methyltransferases. <i>Journal of Molecular Biology</i> , 2008, 378, 154-164.	4.2	59
21	Functional and Structural Characterization of a Cation-dependent O-Methyltransferase from the Cyanobacterium <i>Synechocystis</i> sp. Strain PCC 6803. <i>Journal of Biological Chemistry</i> , 2008, 283, 20888-20896.	3.4	38
22	Cloning and functional characterisation of two regioselective flavonoid glucosyltransferases from <i>Beta vulgaris</i> . <i>Phytochemistry</i> , 2006, 67, 1598-1612.	2.9	65
23	Glycosylated Natural Products. , 2005, , 685-711.		25
24	Site-directed mutagenesis and protein 3D-homology modelling suggest a catalytic mechanism for UDP-glucose-dependent betanidin 5-O-glucosyltransferase from <i>Dorotheanthus bellidiformis</i> . <i>Plant Journal</i> , 2004, 39, 319-333.	5.7	59
25	Cations modulate the substrate specificity of bifunctional class I O-methyltransferase from <i>Ammi majus</i> . <i>FEBS Letters</i> , 2004, 577, 367-370.	2.8	24
26	Regiospecificity and kinetic properties of a plant natural product O-methyltransferase are determined by its N-terminal domain. <i>FEBS Letters</i> , 2004, 561, 159-162.	2.8	33
27	Recent advances in betalain research. <i>Phytochemistry</i> , 2003, 62, 247-269.	2.9	657
28	A Novel Mg ²⁺ -dependent O-Methyltransferase in the Phenylpropanoid Metabolism of <i>Mesembryanthemum crystallinum</i> . <i>Journal of Biological Chemistry</i> , 2003, 278, 43961-43972.	3.4	109
29	Substrate specificity and sequence analysis define a polyphyletic origin of betanidin 5- and 6-O-glucosyltransferase from <i>Dorotheanthus bellidiformis</i> . <i>Planta</i> , 2002, 214, 492-495.	3.2	75
30	Glycosyltransferases in plant natural product synthesis: characterization of a supergene family. <i>Trends in Plant Science</i> , 2000, 5, 380-386.	8.8	546
31	Light-induced betacyanin and flavonol accumulation in bladder cells of <i>Mesembryanthemum crystallinum</i> . <i>Phytochemistry</i> , 1999, 52, 583-592.	2.9	107
32	Cloning and expression of a cDNA encoding betanidin 5-O-glucosyltransferase, a betanidin- and flavonoid-specific enzyme with high homology to inducible glucosyltransferases from the Solanaceae. <i>Plant Journal</i> , 1999, 19, 509-519.	5.7	131
33	Are the characteristics of betanidin glucosyltransferases from cell-suspension cultures of <i>Dorotheanthus bellidiformis</i> indicative of their phylogenetic relationship with flavonoid glucosyltransferases?. <i>Planta</i> , 1997, 203, 349-361.	3.2	83
34	Concentration of Dilute Protein Solutions Prior to Sodium Dodecyl Sulfate-Polyacrylamide Gel Electrophoresis. <i>Analytical Biochemistry</i> , 1997, 250, 257-260.	2.4	34