Bernd Schneider

List of Publications by Year
in descending order

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240	9,206	38742 50	60623 81
papers	citations	h-index	g-index

253	253	253	10188
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A Glucosinolate Metabolism Pathway in Living Plant Cells Mediates Broad-Spectrum Antifungal Defense. Science, 2009, 323, 101-106.	12.6	927
2	Symbiotic streptomycetes provide antibiotic combination prophylaxis for wasp offspring. Nature Chemical Biology, 2010, 6, 261-263.	8.0	323
3	Benzoic acid glucosinolate esters and other glucosinolates from Arabidopsis thaliana. Phytochemistry, 2002, 59, 663-671.	2.9	226
4	Matrixâ€free UVâ€laser desorption/ionization (LDI) mass spectrometric imaging at the singleâ€cell level: distribution of secondary metabolites of Arabidopsis thaliana and Hypericum species. Plant Journal, 2009, 60, 907-918.	5.7	188
5	Structural Complexity, Differential Response to Infection, and Tissue Specificity of Indolic and Phenylpropanoid Secondary Metabolism in Arabidopsis Roots. Plant Physiology, 2005, 138, 1058-1070.	4.8	179
6	Analysis of cannabinoids in laser-microdissected trichomes of medicinal Cannabis sativa using LCMS and cryogenic NMR. Phytochemistry, 2013, 87, 51-59.	2.9	174
7	Jasmonate and ppHsystemin Regulate Key Malonylation Steps in the Biosynthesis of 17-Hydroxygeranyllinalool Diterpene Glycosides, an Abundant and Effective Direct Defense against Herbivores inNicotiana attenuataÂ. Plant Cell, 2010, 22, 273-292.	6.6	170
8	Resistance of Australian Helicoverpa armigera to fenvalerate is due to the chimeric P450 enzyme CYP337B3. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 15206-15211.	7.1	166
9	A Common Fungal Associate of the Spruce Bark Beetle Metabolizes the Stilbene Defenses of Norway Spruce Â Â Â. Plant Physiology, 2013, 162, 1324-1336.	4.8	150
10	Universally occurring phenylpropanoid and species-specific indolic metabolites in infected and uninfected Arabidopsis thaliana roots and leaves. Phytochemistry, 2004, 65, 691-699.	2.9	146
11	Phenalenone-type phytoalexins mediate resistance of banana plants (Musa spp.) to the burrowing nematode Radopholus similis. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 105-110.	7.1	130
12	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
13	Gene Coexpression Analysis Reveals Complex Metabolism of the Monoterpene Alcohol Linalool inArabidopsisFlowers Â. Plant Cell, 2013, 25, 4640-4657.	6.6	104
14	Glandular Trichomes of Leucosceptrum canum Harbor Defensive Sesterterpenoids. Angewandte Chemie - International Edition, 2010, 49, 4471-4475.	13.8	102
15	The Methionine Chain Elongation Pathway in the Biosynthesis of Glucosinolates in Eruca sativa (Brassicaceae). Archives of Biochemistry and Biophysics, 2000, 378, 411-419.	3.0	100
16	Xanthohumol metabolites in faeces of rats. Phytochemistry, 2004, 65, 561-570.	2.9	98
17	A Pair of Tabersonine 16-Hydroxylases Initiates the Synthesis of Vindoline in an Organ-Dependent Manner inCatharanthus roseusÂ Â Â. Plant Physiology, 2013, 163, 1792-1803.	4.8	97
18	Plant tropane alkaloid biosynthesis evolved independently in the Solanaceae and Erythroxylaceae. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 10304-10309.	7.1	92

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19	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
20	Biosynthesis of 8-O-methylated benzoxazinoid defense compounds in maize. Plant Cell, 2016, 28, tpc.00065.2016.	6.6	87
21	Farinosones Aâ^'C, Neurotrophic Alkaloidal Metabolites from the Entomogenous DeuteromycetePaecilomycesfarinosus. Journal of Natural Products, 2004, 67, 1854-1858.	3.0	85
22	Coronalon: a powerful tool in plant stress physiology. FEBS Letters, 2004, 563, 17-22.	2.8	82
23	Accumulation of Isochorismate-derived 2,3-Dihydroxybenzoic 3-O-Î²-d-Xyloside in Arabidopsis Resistance to Pathogens and Ageing of Leaves. Journal of Biological Chemistry, 2010, 285, 25654-25665.	3.4	82
24	The first step in the biosynthesis of cocaine in Erythroxylum coca: the characterization of arginine and ornithine decarboxylases. Plant Molecular Biology, 2012, 78, 599-615.	3.9	82
25	A type III polyketide synthase from Wachendorfia thyrsiflora and its role in diarylheptanoid and phenylphenalenone biosynthesis. Planta, 2006, 224, 413-428.	3.2	81
26	Antitrypanosomal alkaloids from Polyalthia suaveolens (Annonaceae): Their effects on three selected glycolytic enzymes of Trypanosoma brucei. Bioorganic and Medicinal Chemistry Letters, 2010, 20, 3495-3498.	2.2	81
27	A Poly(A) Ribonuclease Controls the Cellotriose-Based Interaction between Piriformospora indica and Its Host Arabidopsis. Plant Physiology, 2018, 176, 2496-2514.	4.8	79
28	CYP76C1 (Cytochrome P450)-Mediated Linalool Metabolism and the Formation of Volatile and Soluble Linalool Oxides in Arabidopsis Flowers: A Strategy for Defense against Floral Antagonists. Plant Cell, 2015, 27, tpc.15.00399.	6.6	75
29	Plant Micrometabolomics: The Analysis of Endogenous Metabolites Present in a Plant Cell or Tissue. Journal of Proteome Research, 2009, 8, 1694-1703.	3.7	72
30	Metabolic detoxification of capsaicin by UDPâ€glycosyltransferase in three Helicoverpa species. Archives of Insect Biochemistry and Physiology, 2011, 78, 104-118.	1.5	71
31	Mutant Allele-Specific Uncoupling of PENETRATION3 Functions Reveals Engagement of the ATP-Binding Cassette Transporter in Distinct Tryptophan Metabolic Pathways. Plant Physiology, 2015, 168, 814-827.	4.8	71
32	Stilbenecarboxylate biosynthesis: a new function in the family of chalcone synthase-related proteins. Phytochemistry, 2003, 62, 271-286.	2.9	70
33	Isolation and Functional Characterization of CYP71AJ4 Encoding for the First P450 Monooxygenase of Angular Furanocoumarin Biosynthesis. Journal of Biological Chemistry, 2009, 284, 4776-4785.	3.4	70
34	Identification of spathulenol in Salvia mirzayanii and the immunomodulatory effects. Phytotherapy Research, 2011, 25, 557-562.	5.8	70
35	Staurosporine Derivatives from the AscidianEudistomatoealensisand Its Predatory FlatwormPseudocerossp.â‡. Journal of Natural Products, 1999, 62, 959-962.	3.0	69
36	Diarylheptanoids and a Monoterpenoid from the Rhizomes of Zingiber officinale: Antioxidant and Cytoprotective Properties. Journal of Natural Products, 2008, 71, 12-17.	3.0	67

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37	Cloning and heterologous expression of glycosyltransferases from Malus x domestica and Pyrus communis, which convert phloretin to phloretin 2â€²-O-glucoside (phloridzin). Plant Science, 2010, 178, 299-306.	3.6	66
38	Identification, quantification, spatiotemporal distribution and genetic variation of major latex secondary metabolites in the common dandelion (Taraxacum officinale agg.). Phytochemistry, 2015, 115, 89-98.	2.9	65
39	Phenalenone-Type Compounds from Musa acuminata var. â€œYangambi km 5â€•(AAA) and Their Activity against Mycosphaerella fijiensis. Journal of Natural Products, 2007, 70, 887-890.	3.0	64
40	Specific accumulation and revised structures of acridone alkaloid glucosides in the tips of transformed roots of Ruta graveolens. Phytochemistry, 2004, 65, 1095-1100.	2.9	61
41	Microchemical analysis of laser-microdissected stone cells of Norway spruce by cryogenic nuclear magnetic resonance spectroscopy. Planta, 2007, 225, 771-779.	3.2	60
42	Production of rosmarinic acid and a new rosmarinic acid 3â€²-O-Î²-D-glucoside in suspension cultures of the hornwort Anthoceros agrestis Paton. Planta, 2006, 223, 369-373.	3.2	59
43	An independent occurrence of the chimeric P450 enzyme CYP337B3 of Helicoverpa armigera confers cypermethrin resistance in Pakistan. Insect Biochemistry and Molecular Biology, 2014, 53, 54-65.	2.7	59
44	(+)-N-Deoxymilitarinone A, a Neuritogenic Pyridone Alkaloid from the Insect Pathogenic FungusPaecilomycesfarinosus#. Journal of Natural Products, 2006, 69, 436-438.	3.0	58
45	Laser microdissection and cryogenic nuclear magnetic resonance spectroscopy: an alliance for cell type-specific metabolite profiling. Planta, 2007, 225, 763-770.	3.2	57
46	Determination of brassinosteroids in the sub-femtomolar range using dansyl-3-aminophenylboronate derivatization and electrospray mass spectrometry. Rapid Communications in Mass Spectrometry, 2004, 18, 816-821.	1.5	53
47	The Elusive Indigo Precursors in Woad (Isatis tinctoria L.)â€“ Identification of the Major Indigo Precursor, Isatan A, and a Structure Revision of Isatan B. Chemistry and Biodiversity, 2004, 1, 174-182.	2.1	53
48	Flavonols and an indole alkaloid skeleton bearing identical acylated glycosidic groups from yellow petals of Papaver nudicaule. Phytochemistry, 2006, 67, 191-201.	2.9	53
49	Peltate Glandular Trichomes of Colquhounia coccinea var. mollis Harbor a New Class of Defensive Sesterterpenoids. Organic Letters, 2013, 15, 1694-1697.	4.6	53
50	Identity of a Tilapia Pheromone Released by Dominant Males that Primes Females for Reproduction. Current Biology, 2014, 24, 2130-2135.	3.9	53
51	Localization of Phenolics in Phloem Parenchyma Cells of Norway Spruce (Picea abies). ChemBioChem, 2012, 13, 2707-2713.	2.6	49
52	A Geranylfarnesyl Diphosphate Synthase Provides the Precursor for Sesterterpenoid (C₂₅) Formation in the Glandular Trichomes of the Mint Species Leucosceptrum canum. Plant Cell, 2016, 28, 804-822.	6.6	48
53	Secondary metabolites from Calotropis procera (Aiton). Phytochemistry Letters, 2010, 3, 212-216.	1.2	47
54	A <scp>BAHD</scp> acyltransferase catalyzing 19â€Oâ€acetylation of tabersonine derivatives in roots of Catharanthus roseus enables combinatorial synthesis of monoterpene indole alkaloids. Plant Journal, 2018, 94, 469-484.	5.7	46

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55	Biosynthesis of sesquiterpenoid cyclohexenone derivatives in mycorrhizal barley roots proceeds via the glyceraldehyde 3-phosphate/pyruvate pathway. Tetrahedron Letters, 1998, 39, 521-524.	1.4	45
56	HPLC-NMR analysis of phenylphenalenones and a stilbene from Anigozanthos flavidus1Dedicated to Professor GÃ¼nter Adam on the occasion of his sixty-fifth birthday.1. Phytochemistry, 1999, 50, 155-161.	2.9	45
57	Characterization of 3Î±-Acetyl-11-keto-Î±-boswellic Acid, a Pentacyclic Triterpenoid Inducing Apoptosisin vitroandin vivo. Planta Medica, 2006, 72, 1285-1289.	1.3	45
58	Tissue-Specific Distribution of Secondary Metabolites in Rapeseed (Brassica napus L.). PLoS ONE, 2012, 7, e48006.	2.5	45
59	A diarylheptanoid intermediate in the biosynthesis of phenylphenalenones in Anigozanthos preissii. Journal of the Chemical Society Chemical Communications, 1995, .	2.0	44
60	Diastereomeric stilbene glucoside dimers from the bark of Norway spruce (Picea abies). Phytochemistry, 2008, 69, 772-782.	2.9	42
61	Phenylphenalenone-Related Compounds:Â Chemotaxonomic Markers of the Haemodoraceae fromXiphidium caeruleum. Journal of Natural Products, 2002, 65, 1122-1130.	3.0	41
62	Spatial and Temporal Localization of Flavonoid Metabolites in Strawberry Fruit (Fragaria Ã—) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	5.2	41
63	Phenylphenalenones from root cultures of Anigozanthos preissii. Phytochemistry, 1997, 45, 87-91.	2.9	39
64	Dihydrocinnamic acids are involved in the biosynthesis of phenylphenalenones in Anigozanthos preissii. Phytochemistry, 1999, 52, 45-53.	2.9	39
65	Glycoside carbamates from benzoxazolin-2(3H)-one detoxification in extracts and exudates of corn roots. Phytochemistry, 2001, 58, 819-825.	2.9	39
66	The Occurrence of Flavonoids and Related Compounds in Flower Sections of Papaver nudicaule. Plants, 2016, 5, 28.	3.5	39
67	Detoxification of hostplantâ€™s chemical defence rather than its anti-predator co-option drives Î²-glucosidase-mediated lepidopteran counteradaptation. Nature Communications, 2015, 6, 8525.	12.8	38
68	Phenalenones fromStrelitzia reginae. Journal of Natural Products, 2000, 63, 1027-1028.	3.0	36
69	Structureâ^'Activity Relationship in the Interaction of Substituted Perinaphthenones with Mycosphaerella fijiensis. Journal of Agricultural and Food Chemistry, 2009, 57, 7417-7421.	5.2	36
70	Histochemical analysis of phenylphenalenone-related compounds in Xiphidium caeruleum (Haemodoraceae). Planta, 2003, 216, 881-889.	3.2	35
71	New sesquiterpene coumarins from the roots ofFerula flabelliloba. Pharmaceutical Biology, 2010, 48, 217-220.	2.9	35
72	The biosynthesis of 8-phenylphenalenones from involves a putative aryl migration step. Phytochemistry, 2005, 66, 59-64.	2.9	34

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73	Identification of blapsins A and B as potent small-molecule 14-3-3 inhibitors from the insect Blaps japanensis. Bioorganic and Medicinal Chemistry Letters, 2012, 22, 4179-4181.	2.2	34
74	Variability of phenylpropanoid precursors in the biosynthesis of phenylphenalenones in Anigozanthos preissii. Phytochemistry, 2000, 53, 331-337.	2.9	33
75	Synthesis of [26-2H3]brassinosteroids. Steroids, 2002, 67, 587-595.	1.8	33
76	The Biosynthetic Origin of the Central One-Carbon Unit of Phenylphenalenones inAnigozanthos preissii. Natural Product Research, 1995, 7, 177-182.	0.4	32
77	Phenylphenalenones from Ensete ventricosum. Phytochemistry, 1998, 49, 2155-2157.	2.9	32
78	Biosynthesis and antifungal activity of fungus-induced O-methylated flavonoids in maize. Plant Physiology, 2022, 188, 167-190.	4.8	32
79	Glycine Conjugates in a Lepidopteran Insect Herbivore-The Metabolism of Benzylglucosinolate in the Cabbage White Butterfly, Pieris rapae. ChemBioChem, 2006, 7, 1982-1989.	2.6	31
80	Determination of the absolute configuration of the glucosinolate methyl sulfoxide group reveals a stereospecific biosynthesis of the side chain. Phytochemistry, 2008, 69, 2737-2742.	2.9	30
81	Synthesis of Photopolymerizable Hydrophilic Macromers and Evaluation of Their Applicability as Reactive Resin Components for the Fabrication of Threeâ€Dimensionally Structured Hydrogel Matrices by 2â€Photonâ€Polymerization. Advanced Engineering Materials, 2011, 13, B274.	3.5	30
82	UDP-glucose:(6-methoxy)podophyllotoxin 7-O-glucosyltransferase from suspension cultures of Linum nodiflorum. Phytochemistry, 2008, 69, 374-381.	2.9	29
83	Nectar formation and floral nectary anatomy of Anigozanthos flavidus: a combined magnetic resonance imaging and spectroscopy study. Journal of Experimental Botany, 2008, 59, 3425-3434.	4.8	29
84	AnÎ±-Acetoxy-Tirucallic Acid Isomer Inhibits Akt/mTOR Signaling and Induces Oxidative Stress in Prostate Cancer Cells. Journal of Pharmacology and Experimental Therapeutics, 2015, 352, 33-42.	2.5	29
85	Phenylphenalenones protect banana plants from infection by Mycosphaerella fijiensis and are deactivated by metabolic conversion. Plant, Cell and Environment, 2016, 39, 492-513.	5.7	29
86	3-Î²-d-glucopyranosyl-benzoxazolin-2(3H)-oneâ€”A detoxification product of benzoxazolin-2(3H)-one in oat roots. Phytochemistry, 1998, 49, 719-722.	2.9	28
87	Nudicaulins, Yellow Flower Pigments of Papaver nudicaule: Revised Constitution and Assignment of Absolute Configuration. Organic Letters, 2013, 15, 156-159.	4.6	28
88	Kinetics of the incorporation of the main phenolic compounds into the lignan macromolecule during flaxseed development. Food Chemistry, 2017, 217, 1-8.	8.2	28
89	Role of a cytochrome P450-dependent monooxygenase in the hydroxylation of 24-epi-brassinolide. Phytochemistry, 1997, 45, 233-237.	2.9	27
90	Nuclear magnetic resonance spectroscopy in biosynthetic studies. Progress in Nuclear Magnetic Resonance Spectroscopy, 2007, 51, 155-198.	7.5	27

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91	Crystallization of Î±- and Î²-carotene in the foregut of Spodoptera larvae feeding on a toxic food plant. Insect Biochemistry and Molecular Biology, 2011, 41, 273-281.	2.7	27
92	Biosynthesis of tetraoxygenated phenylphenalenones in Wachendorfia thyrsiflora. Phytochemistry, 2013, 91, 165-176.	2.9	27
93	Laser Microdissection: a Sample Preparation Technique for Plant Micrometabolic Profiling. Phytochemical Analysis, 2014, 25, 307-313.	2.4	27
94	[3,3]-Claisen rearrangements in 24Î±-methyl steroid synthesis. Steroids, 2002, 67, 597-603.	1.8	26
95	Organ-specific analysis of phenylphenalenone-related compounds in Xiphidium caeruleum. Phytochemistry, 2002, 61, 819-825.	2.9	26
96	Synthesis of [26,27-2H6]brassinosteroids from 23,24-bisnorcholenic acid methyl ester. Steroids, 2004, 69, 617-628.	1.8	26
97	Preparation of (25)- and (25)-26-functionalized steroids as tools for biosynthetic studies of cholic acids. Steroids, 2005, 70, 551-562.	1.8	26
98	Polar secondary metabolites of Ferula persica roots. Phytochemistry, 2008, 69, 473-478.	2.9	26
99	Occurrence of rosmarinic acid, chlorogenic acid and rutin in Marantaceae species. Phytochemistry Letters, 2008, 1, 199-203.	1.2	26
100	Identification of Alternaria alternata Mycotoxins by LC-SPE-NMR and Their Cytotoxic Effects to Soybean (Glycine max) Cell Suspension Culture. Molecules, 2013, 18, 2528-2538.	3.8	26
101	Cytotoxic activity and chemical constituents ofAnthemis mirheydari. Pharmaceutical Biology, 2016, 54, 2044-2049.	2.9	26
102	Metabolic inversion of the 3-hydroxy function of brassinosteroids. Phytochemistry, 1998, 48, 467-470.	2.9	25
103	Lignans from Torreya jackii identified by stopped-flow high-performance liquid chromatographyâ€“nuclear magnetic resonance spectroscopy. Journal of Chromatography A, 1999, 837, 83-91.	3.7	25
104	Phytochemical profile of aerial parts and roots of Wachendorfia thyrsiflora L. studied by LC-DAD-SPE-NMR. Phytochemistry, 2012, 81, 144-152.	2.9	25
105	Pathways and Enzymes of Brassinosteroid Biosynthesis. Progress in Botany Fortschritte Der Botanik, 2002, , 286-306.	0.3	25
106	Biosynthesis of 2,3-epoxybrassinosteroids in seedlings of Secale cereale. Phytochemistry, 2003, 63, 771-776.	2.9	24
107	A Conifer UDP-Sugar Dependent Glycosyltransferase Contributes to Acetophenone Metabolism and Defense against Insects. Plant Physiology, 2017, 175, 641-651.	4.8	24
108	The CYP71AZ P450 Subfamily: A Driving Factor for the Diversification of Coumarin Biosynthesis in Apiaceous Plants. Frontiers in Plant Science, 2018, 9, 820.	3.6	24

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109	Analysis of Underivatized Brassinosteroids by HPLC/APCI-MS. Occurrence of 3-Epibrassinolide in Arabidopsis thaliana. Collection of Czechoslovak Chemical Communications, 2001, 66, 1729-1734.	1.0	23
110	2,3-Epoxybrassinosteroids are intermediates in the biosynthesis of castasterone in seedlings of. Phytochemistry, 2005, 66, 65-72.	2.9	23
111	(8R)-3Î²,8-Dihydroxypolypoda-13E,17E,21-triene Induces Cell Cycle Arrest and Apoptosis in Treatment-Resistant Prostate Cancer Cells. Journal of Natural Products, 2011, 74, 1731-1736.	3.0	23
112	Correlation between Phenylphenalenone Phytoalexins and Phytopathological Properties in Musa and the Role of a Dihydrophenylphenalene Triol. Molecules, 2002, 7, 331-340.	3.8	22
113	One-dimensional 13C NMR and HPLC-1H NMR techniques for observing carbon-13 and deuterium labelling in biosynthetic studies. Phytochemistry Reviews, 2003, 2, 31-43.	6.5	22
114	Biosynthesis of calystegines: 15N NMR and kinetics of formation in root cultures of Calystegia sepium. Phytochemistry, 2003, 62, 325-332.	2.9	22
115	4-Deoxyaurone Formation in Bidens ferulifolia (Jacq.) DC. PLoS ONE, 2013, 8, e61766.	2.5	22
116	High resolution mass spectrometry imaging reveals the occurrence of phenylphenalenone-type compounds in red paracytic stomata and red epidermis tissue of Musa acuminata ssp. zebrina cv. â€˜Rowe Redâ€™. Phytochemistry, 2015, 116, 239-245.	2.9	22
117	Duckweed for Human Nutrition: No Cytotoxic and No Anti-Proliferative Effects on Human Cell Lines. Plant Foods for Human Nutrition, 2019, 74, 223-224.	3.2	22
118	Synthesis of hexadeuterated 23-dehydroxybrassinosteroids. Steroids, 2002, 67, 1101-1108.	1.8	21
119	Unique Prolineâ€“Benzoquinone Pigment from the Colored Nectar of â€œBirdâ€™s Coca Cola Treeâ€•Functions in Bird Attractions. Organic Letters, 2012, 14, 4146-4149.	4.6	21
120	Biotransformation of Flavokawains A, B, and C, Chalcones from Kava (Piper methysticum), by Human Liver Microsomes. Journal of Agricultural and Food Chemistry, 2015, 63, 6376-6385.	5.2	21
121	4â€Phenylphenalenones as a template for new photodynamic compounds against Mycosphaerella fijiensis. Pest Management Science, 2016, 72, 796-800.	3.4	21
122	Justicidin B 7-hydroxylase, a cytochrome P450 monooxygenase from cell cultures of Linum perenne Himmelszelt involved in the biosynthesis of diphyllin. Phytochemistry, 2007, 68, 2736-2743.	2.9	20
123	Bioactive Metabolites from the Sponge Suberea sp.. Chemistry and Biodiversity, 2010, 7, 2880-2887.	2.1	20
124	Phenylphenalenones and related natural products from Wachendorfia thyrsiflora L.. Phytochemistry Letters, 2011, 4, 203-208.	1.2	20
125	Foetithiophenes C-F, thiophene derivatives from the roots ofFerula foetida. Pharmaceutical Biology, 2015, 53, 710-714.	2.9	20
126	Discovery of a Shortâ€Chain Dehydrogenase from Catharanthus roseus that Produces a New Monoterpene Indole Alkaloid. ChemBioChem, 2018, 19, 940-948.	2.6	20

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127	Sulfur-containing compounds from the roots of Ferula latisecta and their cytotoxic activities. FÃ¬toterapÃ¬Ã¢, 2018, 124, 108-112.	2.2	20
128	Isomeric Oxabenzochrysenones from Musa Acuminata and Wachendorfia Thyrsiflora. Natural Product Research, 2002, 16, 335-338.	0.4	19
129	Oxidative biosynthesis of phenylbenzoisochromenones from phenylphenalenones. Phytochemistry, 2003, 62, 307-312.	2.9	19
130	Application of Laser-Assisted Microdissection for Tissue and Cell-Specific Analysis of RNA, Proteins, and Metabolites. Progress in Botany Fortschritte Der Botanik, 2008, , 141-167.	0.3	19
131	Metabolic profiling of Musa acuminata challenged with Sporobolomyces salmonicolor. Phytochemistry Letters, 2010, 3, 84-87.	1.2	19
132	The biosynthesis of hydroxycinnamoyl quinate esters and their role in the storage of cocaine in Erythroxylum coca. Phytochemistry, 2013, 91, 177-186.	2.9	19
133	The roots of Salvia rhytidea: a rich source of biologically active diterpenoids. Natural Product Research, 2017, 31, 477-481.	1.8	19
134	Diastereoselective synthesis of the benzoxazinone acetal glucoside ent-GDIMBOA: the first enantiomer of a natural acetal glucoside. Carbohydrate Research, 1997, 298, 147-152.	2.3	18
135	Taxane analysis by high performance liquid chromatography-Nuclear magnetic resonance spectroscopy ofTaxus species. Phytochemical Analysis, 1998, 9, 237-244.	2.4	18
136	Dimeric phenylphenalenones from Musa acuminata and various Haemodoraceae species. Crystal structure of anigorootin. Phytochemistry, 2002, 60, 61-66.	2.9	18
137	Synthesis of New Biosynthetically Important Diarylheptanoids and Their Oxa- and Fluoro- Analogues by Three Different Strategies. Synthetic Communications, 2003, 33, 1019-1045.	2.1	18
138	Synthesis of musafluorone: a naphthoxanthenone isolated from Musa acuminata. Tetrahedron Letters, 2010, 51, 4640-4643.	1.4	18
139	Distribution of Amygdalin in Apricot (Prunus armeniaca) Seeds Studied by Raman Microscopic Imaging. Applied Spectroscopy, 2012, 66, 644-649.	2.2	18
140	Occurrence of nudicaulin structural variants in flowers of papaveraceous species. Phytochemistry, 2013, 92, 105-112.	2.9	18
141	Radical Scavenging Capacity of 2,4-Dihydroxy-9-phenyl-1H-phenalen-1-one: A Functional Group Exclusion Approach. Organic Letters, 2013, 15, 3542-3545.	4.6	18
142	Abutilon theophrastiâ€™s Defense Against the Allelochemical Benzoxazolin-2(3H)-One: Support by Actinomucor elegans. Journal of Chemical Ecology, 2014, 40, 1286-1298.	1.8	18
143	Specific decorations of 17-hydroxygeranyllinalool diterpene glycosides solve the autotoxicity problem of chemical defense inNicotiana attenuata. Plant Cell, 2021, 33, 1748-1770.	6.6	18
144	Diglycosidic metabolites of 24-epi-teasterone in cell suspension cultures of Lycopersicon esculentum L.. Phytochemistry, 1997, 46, 1019-1022.	2.9	17

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145	Synthesis of Stable Cyclic Sulfinamides with a Hydroperoxy Function by Oxidation of Isothiazolium Salts. Helvetica Chimica Acta, 1999, 82, 685-695.	1.6	17
146	Genetically transformed root cultures â€" generation, properties and application in plant sciences. , 2006, , 275-314.		17
147	Monolaterol, the First Configurationally Assigned Phenylphenalenone Derivative with a Stereogenic Center at C-9, fromMonochoria elata. Journal of Natural Products, 2006, 69, 1614-1617.	3.0	17
148	Phaseoloidin, a Homogentisic Acid Glucoside from Nicotiana Attenuata Trichomes, Contributes to the Plantâ€™s Resistance against Lepidopteran Herbivores. Journal of Chemical Ecology, 2011, 37, 1091-1098.	1.8	17
149	Development of an NMR metabolomics-based tool for selection of flaxseed varieties. Metabolomics, 2014, 10, 1258-1267.	3.0	17
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