Jeroen S Dickschat

List of Publications by Year
in descending order

222	10,819	34076 52	45285 90
papers	citations	h-index	g-index

232	232	232	9024
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	antiSMASH 4.0â€”improvements in chemistry prediction and gene cluster boundary identification. Nucleic Acids Research, 2017, 45, W36-W41.	6.5	1,196
2	Bacterial volatiles: the smell of small organisms. Natural Product Reports, 2007, 24, 814.	5.2	771
3	The Ecological Role of Volatile and Soluble Secondary Metabolites Produced by Soil Bacteria. Trends in Microbiology, 2017, 25, 280-292.	3.5	361
4	Bacterial terpene cyclases. Natural Product Reports, 2016, 33, 87-110.	5.2	289
5	Quorum sensing and bacterial biofilms. Natural Product Reports, 2010, 27, 343.	5.2	279
6	From lignin to nylon: Cascaded chemical and biochemical conversion using metabolically engineered Pseudomonas putida. Metabolic Engineering, 2018, 47, 279-293.	3.6	225
7	Inducedâ€Fit Mechanism in Classâ€…I Terpene Cyclases. Angewandte Chemie - International Edition, 2014, 53, 7652-7656.	7.2	174
8	Comparative â€œOmicsâ€•of theFusarium fujikuroiSpecies Complex Highlights Differences in Genetic Potential and Metabolite Synthesis. Genome Biology and Evolution, 2016, 8, 3574-3599.	1.1	124
9	Pyrazine Biosynthesis in Corynebacterium glutamicum. European Journal of Organic Chemistry, 2010, 2010, 2687-2695.	1.2	119
10	A Novel Type of Geosmin Biosynthesis in Myxobacteria. Journal of Organic Chemistry, 2005, 70, 5174-5182.	1.7	118
11	Biosynthesis of Volatiles by the Myxobacterium Myxococcus xanthus. ChemBioChem, 2004, 5, 778-787.	1.3	117
12	Terpenoids are Widespread in Actinomycetes: A Correlation of Secondary Metabolism and Genome Data. ChemBioChem, 2012, 13, 202-214.	1.3	117
13	Volatiles Released by aStreptomyces Species Isolated from the North Sea. Chemistry and Biodiversity, 2005, 2, 837-865.	1.0	115
14	Novel Pyrazines from the MyxobacteriumChondromyces crocatusand Marine Bacteria. European Journal of Organic Chemistry, 2005, 2005, 4141-4153.	1.2	110
15	Knockâ€down of the methyltransferase Kmt6 relieves H3K27me3 and results in induction of cryptic and otherwise silent secondary metabolite gene clusters in Fusarium fujikuroi. Environmental Microbiology, 2016, 18, 4037-4054.	1.8	109
16	Mechanistic Investigations of Two Bacterial Diterpene Cyclases: Spiroviolene Synthase and Tsukubadiene Synthase. Angewandte Chemie - International Edition, 2017, 56, 2776-2779.	7.2	108
17	Isoprenoids in three-dimensional space: the stereochemistry of terpene biosynthesis. Natural Product Reports, 2011, 28, 1917.	5.2	100
18	Biosynthesis of the Offâ€Flavor 2â€Methylisoborneol by the Myxobacterium Nannocystis exedens. Angewandte Chemie - International Edition, 2007, 46, 8287-8290.	7.2	99

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19	Bacterial Diterpene Biosynthesis. Angewandte Chemie - International Edition, 2019, 58, 15964-15976.	7.2	98
20	Conformational Analysis, Thermal Rearrangement, and Elâ€MS Fragmentation Mechanism of (1(10)E,4E,6S,7R)â€Germacradienâ€6â€ol by ¹³Câ€Labeling Experiments. Angewandte Chemie - International Edition, 2015, 54, 13448-13451.	7.2	92
21	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.	3.3	92
22	Two Bacterial Diterpene Synthases from Allokutzneria albata Produce Bonnadiene, Phomopsene, and Allokutznerene. Angewandte Chemie - International Edition, 2018, 57, 8280-8283.	7.2	88
23	Identification and biosynthesis of tropone derivatives and sulfur volatiles produced by bacteria of the marine Roseobacter clade. Organic and Biomolecular Chemistry, 2010, 8, 234-246.	1.5	87
24	Genome mining of Streptomyces ambofaciens. Journal of Industrial Microbiology and Biotechnology, 2014, 41, 251-263.	1.4	85
25	Fungal volatiles â€“ a survey from edible mushrooms to moulds. Natural Product Reports, 2017, 34, 310-328.	5.2	84
26	The Scent of Bacteria: Headspace Analysis for the Discovery of Natural Products. Journal of Natural Products, 2012, 75, 1765-1776.	1.5	80
27	Two Diterpene Synthases for Spiroalbatene and Cembreneâ€…A from Allokutzneria albata. Angewandte Chemie - International Edition, 2018, 57, 3238-3241.	7.2	77
28	A Typeâ€‰II Polyketide Synthase from the Gram-Negative BacteriumStigmatella aurantiaca Is Involved in Aurachin Alkaloid Biosynthesis. Angewandte Chemie - International Edition, 2007, 46, 2712-2716.	7.2	73
29	Terpene Cyclases from Social Amoebae. Angewandte Chemie - International Edition, 2016, 55, 15420-15423.	7.2	73
30	An Improved Technique for the Rapid Chemical Characterisation of Bacterial Terpene Cyclases. ChemBioChem, 2014, 15, 810-814.	1.3	72
31	Addressing the Chemistry of Germacrene A by Isotope Labeling Experiments. Organic Letters, 2019, 21, 2426-2429.	2.4	71
32	Discovery of non-squalene triterpenes. Nature, 2022, 606, 414-419.	13.7	71
33	Sesquiterpene cyclizations catalysed inside the resorcinarene capsule and application in the short synthesis of isolongifolene and isolongifolenone. Nature Catalysis, 2018, 1, 609-615.	16.1	69
34	Biosynthesis of the antibiotic tropodithietic acid by the marine bacterium Phaeobacter inhibens. Chemical Communications, 2014, 50, 5487.	2.2	68
35	Mechanistic investigations on six bacterial terpene cyclases. Beilstein Journal of Organic Chemistry, 2016, 12, 1839-1850.	1.3	66
36	Strangers in the archaeal world: osmostressâ€responsive biosynthesis of ectoine and hydroxyectoine by the marine thaumarchaeon Nitrosopumilus maritimus. Environmental Microbiology, 2016, 18, 1227-1248.	1.8	66

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37	Two separate key enzymes and two pathwayâ€specific transcription factors are involved in fusaric acid biosynthesis in <scp>F</scp>usarium fujikuroi. Environmental Microbiology, 2016, 18, 936-956.	1.8	64
38	Mechanistic Characterization of Two Chimeric Sesterterpene Synthases from Penicillium. Chemistry - A European Journal, 2017, 23, 10053-10057.	1.7	64
39	Spataâ€13,17â€diene Synthaseâ€"An Enzyme with Sesquiâ€, Diâ€, and Sesterterpene Synthase Activity from Streptomyces xinghaiensis. Angewandte Chemie - International Edition, 2017, 56, 16385-16389.	7.2	64
40	Volatile Terpenes from Actinomycetes: A Biosynthetic Study Correlating Chemical Analyses to Genome Data. ChemBioChem, 2013, 14, 2345-2354.	1.3	63
41	Mechanistic Characterisation of Two Sesquiterpene Cyclases from the Plant Pathogenic Fungus Fusarium fujikuroi. Angewandte Chemie - International Edition, 2016, 55, 8748-8751.	7.2	63
42	Novel Iso-branched Ether Lipids as Specific Markers of Developmental Sporulation in the Myxobacterium Myxococcus xanthus*. Journal of Biological Chemistry, 2006, 281, 36691-36700.	1.6	62
43	Hedycaryol Synthase in Complex with Nerolidol Reveals Terpene Cyclase Mechanism. ChemBioChem, 2014, 15, 213-216.	1.3	61
44	Biosynthesis and Identification of Volatiles Released by the Myxobacterium Stigmatella aurantiaca. ChemBioChem, 2005, 6, 2023-2033.	1.3	60
45	DKxanthene Biosynthesisâ€"Understanding the Basis for Diversity-Oriented Synthesis in Myxobacterial Secondary Metabolism. Chemistry and Biology, 2008, 15, 771-781.	6.2	60
46	A Detailed View of 2â€Methylisoborneol Biosynthesis. Angewandte Chemie - International Edition, 2013, 52, 2100-2104.	7.2	59
47	The Sfp-Type 4â€²-Phosphopantetheinyl Transferase Ppt1 of Fusarium fujikuroi Controls Development, Secondary Metabolism and Pathogenicity. PLoS ONE, 2012, 7, e37519.	1.1	59
48	Biological Activity of Volatiles from Marine and Terrestrial Bacteria. Marine Drugs, 2010, 8, 2976-2987.	2.2	58
49	Hymenosetin, a 3-decalinoyltetramic acid antibiotic from cultures of the ash dieback pathogen, Hymenoscyphus pseudoalbidus. Phytochemistry, 2014, 100, 86-91.	1.4	57
50	Volatiles from nineteen recently genome sequenced actinomycetes. Organic and Biomolecular Chemistry, 2015, 13, 2673-2683.	1.5	57
51	A Clade IIâ€Ð Fungal Chimeric Diterpene Synthase from Colletotrichum gloeosporioides Produces Dolastaâ€1(15),8â€diene. Angewandte Chemie - International Edition, 2018, 57, 15887-15890.	7.2	57
52	Recent highlights in biosynthesis research using stable isotopes. Beilstein Journal of Organic Chemistry, 2015, 11, 2493-2508.	1.3	55
53	Volatile Organic Compounds from Arctic Bacteria of theCytophaga-Flavobacterium-Bacteroides Group: A Retrobiosynthetic Approach in Chemotaxonomic Investigations. Chemistry and Biodiversity, 2005, 2, 318-353.	1.0	54
54	Pathways and Substrate Specificity of DMSP Catabolism in Marine Bacteria of the Roseobacter Clade. ChemBioChem, 2010, 11, 417-425.	1.3	54

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55	Rapid Chemical Characterization of Bacterial Terpene Synthases. Angewandte Chemie - International Edition, 2013, 52, 1810-1812.	7.2	54
56	2Hâ€Pyranâ€2â€ones from Trichoderma viride and Trichoderma asperellum. European Journal of Organic Chemistry, 2013, 2013, 2906-2913.	1.2	54
57	The Chafer Pheromone Buibuilactone and Ant Pyrazines are also Produced by Marine Bacteria. Journal of Chemical Ecology, 2005, 31, 925-947.	0.9	53
58	Lessons from 1,3â€Hydride Shifts in Sesquiterpene Cyclizations. Angewandte Chemie - International Edition, 2016, 55, 13593-13596.	7.2	53
59	Mechanisms of the Diterpene Cyclases Î²â€Pinacene Synthase from Dictyostelium discoideum and Hydropyrene Synthase from Streptomyces clavuligerus. Chemistry - A European Journal, 2017, 23, 10501-10505.	1.7	53
60	The chemical biology of dimethylsulfoniopropionate. Organic and Biomolecular Chemistry, 2015, 13, 1954-1968.	1.5	50
61	Pristinol, a Sesquiterpene Alcohol with an Unusual Skeleton from Streptomyces pristinaespiralis. Angewandte Chemie - International Edition, 2016, 55, 10141-10144.	7.2	50
62	Genetic Dissection of Sesquiterpene Biosynthesis by Fusarium fujikuroi. ChemBioChem, 2013, 14, 311-315.	1.3	49
63	Capturing volatile natural products by mass spectrometry. Natural Product Reports, 2014, 31, 838.	5.2	49
64	Mechanistische Studien an zwei bakteriellen Diterpencyclasen: Spiroviolenâ€Synthase und Tsukubadienâ€Synthase. Angewandte Chemie, 2017, 129, 2820-2823.	1.6	49
65	Genetic Analysis of the Upper Phenylacetate Catabolic Pathway in the Production of Tropodithietic Acid by Phaeobacter gallaeciensis. Applied and Environmental Microbiology, 2012, 78, 3539-3551.	1.4	48
66	Structures and Biosynthesis of Corvol Ethersâ€”Sesquiterpenes from the Actinomycete Kitasatospora setae. Angewandte Chemie - International Edition, 2015, 54, 6041-6045.	7.2	48
67	A method for investigating the stereochemical course of terpene cyclisations. Organic and Biomolecular Chemistry, 2016, 14, 158-164.	1.5	48
68	Exploiting the Synthetic Potential of Sesquiterpene Cyclases for Generating Unnatural Terpenoids. Angewandte Chemie - International Edition, 2018, 57, 11802-11806.	7.2	47
69	Gibepyrone Biosynthesis in the Rice Pathogen Fusarium fujikuroi Is Facilitated by a Small Polyketide Synthase Gene Cluster. Journal of Biological Chemistry, 2016, 291, 27403-27420.	1.6	44
70	Modern Aspects of Isotopic Labellings in Terpene Biosynthesis. European Journal of Organic Chemistry, 2017, 2017, 4872-4882.	1.2	44
71	Nature-driven approaches to non-natural terpene analogues. Natural Product Reports, 2020, 37, 1080-1097.	5.2	43
72	Identification of (8S,9S,10S)-8,10-Dimethyl-1-octalin, a Key Intermediate in the Biosynthesis of Geosmin in Bacteria. Journal of the American Chemical Society, 2008, 130, 430-431.	6.6	42

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73	A Branched Diterpene Cascade: The Mechanism of Spinodiene Synthase from Saccharopolyspora spinosa. Angewandte Chemie - International Edition, 2019, 58, 452-455.	7.2	42
74	Physiological diversity of Roseobacter clade bacteria co-occurring during a phytoplankton bloom in the North Sea. Systematic and Applied Microbiology, 2013, 36, 39-48.	1.2	41
75	Evolution and Diversity of Biosynthetic Gene Clusters in Fusarium. Frontiers in Microbiology, 2018, 9, 1158.	1.5	41
76	Germacreneâ€…Aâ€“A Central Intermediate in Sesquiterpene Biosynthesis. Chemistry - A European Journal, 2020, 26, 17318-17341.	1.7	41
77	Biosynthesis, evolution and ecology of microbial terpenoids. Natural Product Reports, 2022, 39, 249-272.	5.2	40
78	The Biosynthesis of Branched Dialkylpyrazines in Myxobacteria. Chemistry and Biodiversity, 2010, 7, 2129-2144.	1.0	39
79	Talaromyolides Aâ€“D and Talaromytin: Polycyclic Meroterpenoids from the Fungus Talaromyces sp. CX11. Organic Letters, 2019, 21, 6539-6542.	2.4	39
80	The Biosynthetic Gene Cluster for Sestermobaraenesâ€”Discovery of a Geranylfarnesyl Diphosphate Synthase and a Multiproduct Sesterterpene Synthase from Streptomyces mobaraensis. Angewandte Chemie - International Edition, 2020, 59, 19961-19965.	7.2	39
81	Biosynthesis of Iso-Fatty Acids in Myxobacteria:Â Iso-Even Fatty Acids Are Derived by Î±-Oxidation from Iso-Odd Fatty Acids. Journal of the American Chemical Society, 2005, 127, 532-533.	6.6	38
82	Biosynthesis of Sesquiterpenes by the Fungus Fusarium verticillioides. ChemBioChem, 2011, 12, 2088-2095.	1.3	38
83	Zwei bakterielle Diterpensynthasen aus Allokutzneria albata fÃ¼r Bonnadien sowie fÃ¼r Phomopsen und Allokutzneren. Angewandte Chemie, 2018, 130, 8412-8415.	1.6	38
84	Diterpene Biosynthesis in Actinomycetes: Studies on Cattleyene Synthase and Phomopsene Synthase. Angewandte Chemie - International Edition, 2019, 58, 9230-9233.	7.2	38
85	Diving into the world of marine 2,11-cyclized cembranoids: a summary of new compounds and their biological activities. Natural Product Reports, 2020, 37, 1367-1383.	5.2	38
86	Biosynthesis of iso-fatty acids in myxobacteria. Organic and Biomolecular Chemistry, 2005, 3, 2824.	1.5	37
87	The Stereochemical Course and Mechanism of the IspH Reaction. Angewandte Chemie - International Edition, 2012, 51, 4053-4057.	7.2	36
88	Zwei Diterpensynthasen fÃ¼r Spiroalbaten und Cembren A aus Allokutzneria albata. Angewandte Chemie, 2018, 130, 3292-3296.	1.6	36
89	The GATA-Type Transcription Factor Csm1 Regulates Conidiation and Secondary Metabolism in Fusarium fujikuroi. Frontiers in Microbiology, 2017, 8, 1175.	1.5	35
90	Novel fatty acid methyl esters from the actinomycete Micromonospora aurantiaca. Beilstein Journal of Organic Chemistry, 2011, 7, 1697-1712.	1.3	34

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91	Algicidal lactones from the marine Roseobacter clade bacterium Ruegeria pomeroyi. Beilstein Journal of Organic Chemistry, 2012, 8, 941-950.	1.3	33
92	Identification and Characterization of a Periplasmic Aminoacyl-phosphatidylglycerol Hydrolase Responsible for Pseudomonas aeruginosa Lipid Homeostasis*. Journal of Biological Chemistry, 2013, 288, 24717-24730.	1.6	33
93	Streptopyridines, volatile pyridine alkaloids produced by Streptomyces sp. FORM5. Beilstein Journal of Organic Chemistry, 2014, 10, 1421-1432.	1.3	33
94	Ãœber 1,3â€Hydridverschiebungen in Sesquiterpenâ€Cyclisierungen. Angewandte Chemie, 2016, 128, 13791-13794.	1.6	33
95	Terpencyclasen aus sozialen AmÃ¶ben. Angewandte Chemie, 2016, 128, 15646-15649.	1.6	33
96	Biosynthesis of Sesquiâ€and Diterpenes by the Gibberellin Producer Fusarium fujikuroi. ChemBioChem, 2011, 12, 2667-2676.	1.3	32
97	Mechanistic characterization of three sesquiterpene synthases from the termite-associated fungus Termitomyces. Organic and Biomolecular Chemistry, 2019, 17, 3348-3355.	1.5	32
98	Diterpene Biosynthesis in Catenulispora acidiphila: On the Mechanism of Catenulâ€14â€enâ€6â€ol Synthase. Angewandte Chemie - International Edition, 2021, 60, 1488-1492.	7.2	32
99	A Single Sfp-Type Phosphopantetheinyl Transferase Plays a Major Role in the Biosynthesis of PKS and NRPS Derived Metabolites in Streptomyces ambofaciens ATCC23877. PLoS ONE, 2014, 9, e87607.	1.1	32
100	An Unprecedented 1,2â€Shift in the Biosynthesis of the 3â€Aminosalicylate Moiety of Antimycins. ChemBioChem, 2012, 13, 769-773.	1.3	31
101	18-Hydroxydolabella-3,7-diene synthase â€“ a diterpene synthase from Chitinophaga pinensis. Beilstein Journal of Organic Chemistry, 2017, 13, 1770-1780.	1.3	31
102	Bakterielle Diterpenbiosynthese. Angewandte Chemie, 2019, 131, 16110-16123.	1.6	31
103	Terpene Synthase Genes Originated from Bacteria through Horizontal Gene Transfer Contribute to Terpenoid Diversity in Fungi. Scientific Reports, 2019, 9, 9223.	1.6	31
104	Heterologous expression of 2-methylisoborneol / 2 methylenebornane biosynthesis genes in Escherichia coli yields novel C11-terpenes. PLoS ONE, 2018, 13, e0196082.	1.1	30
105	Enzymatic Synthesis of Methylated Terpene Analogues Using the Plasticity of Bacterial Terpene Synthases. Chemistry - A European Journal, 2020, 26, 2178-2182.	1.7	30
106	Biochemistry and Crystal Structure of Ectoine Synthase: A Metal-Containing Member of the Cupin Superfamily. PLoS ONE, 2016, 11, e0151285.	1.1	30
107	Volatile Lactones from Streptomycetes Arise via the Antimycin Biosynthetic Pathway. ChemBioChem, 2012, 13, 1635-1644.	1.3	29
108	Identification of Intermediates in the Biosynthesis of PR Toxin by Penicillium roqueforti. Angewandte Chemie - International Edition, 2015, 54, 12167-12170.	7.2	29

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109	Marine bacteria from the Roseobacter clade produce sulfur volatiles via amino acid and dimethylsulfoniopropionate catabolism. Organic and Biomolecular Chemistry, 2014, 12, 4318.	1.5	28
110	Abiotic stress protection by ecologically abundant dimethylsulfoniopropionate and its natural and synthetic derivatives: insights from <scp>B</scp>acillus subtilis. Environmental Microbiology, 2015, 17, 2362-2378.	1.8	28
111	Phylogenomic analyses and distribution of terpene synthases amongStreptomyces. Beilstein Journal of Organic Chemistry, 2019, 15, 1181-1193.	1.3	28
112	Spataâ€13,17â€dienâ€Synthase â€“ ein Enzym mit Sesquiâ€, Diâ€und Sesterterpenâ€Synthaseâ€AktivitÃt aus Streptomyces xinghaiensis. Angewandte Chemie, 2017, 129, 16603-16607.	1.6	27
113	Two Diterpene Synthases from Chryseobacterium: Chryseodiene Synthase and Wanjudiene Synthase. Angewandte Chemie - International Edition, 2020, 59, 11943-11947.	7.2	27
114	A detailed view on 1,8-cineol biosynthesis by Streptomyces clavuligerus. Beilstein Journal of Organic Chemistry, 2016, 12, 2317-2324.	1.3	25
115	Chemical differentiation of three DMSP lyases from the marine Roseobacter group. Organic and Biomolecular Chemistry, 2017, 15, 4432-4439.	1.5	25
116	Transcriptional regulation of ectoine catabolism in response to multiple metabolic and environmental cues. Environmental Microbiology, 2017, 19, 4599-4619.	1.8	25
117	Catalytic role of carbonyl oxygens and water in selinadiene synthase. Nature Catalysis, 2022, 5, 128-135.	16.1	25
118	Biosynthesis of acorane sesquiterpenes by Trichoderma. RSC Advances, 2011, 1, 290.	1.7	24
119	A Volatile Lactone of Hymenoscyphus pseudoalbidus, Pathogen of European Ash Dieback, Inhibits Host Germination. Angewandte Chemie - International Edition, 2014, 53, 4346-4349.	7.2	24
120	Mechanistic Characterization of the Fusicoccane-type Diterpene Synthase for Myrothec-15(17)-en-7-ol. ACS Catalysis, 2020, 10, 4306-4312.	5.5	24
121	PR Toxin Biosynthesis in Penicillium roqueforti. ChemBioChem, 2013, 14, 1189-1193.	1.3	23
122	Aurachin-Biosynthese im Gram-negativen Bakterium Stigmatella aurantiaca: Beteiligung einer Typ-II-Polyketidsynthase. Angewandte Chemie, 2007, 119, 2768-2772.	1.6	22
123	Synthesis of Isotopically Labelled Oligoprenyl Diphosphates and Their Application in Mechanistic Investigations of Terpene Cyclases. European Journal of Organic Chemistry, 2014, 2014, 7684-7691.	1.2	22
124	Enantioselective Synthesis of the Unnatural Enantiomers of the Fungal Sesquiterpenoids Acorenone and Trichoacorenol. European Journal of Organic Chemistry, 2011, 2011, 5167-5175.	1.2	21
125	Labelling studies on the biosynthesis of terpenes in Fusarium fujikuroi. Chemical Communications, 2014, 50, 5224-5226.	2.2	21
126	Biosynthetic Gene Cluster for Asperterpenols A and B and the Cyclization Mechanism of Asperterpenol A Synthase. Organic Letters, 2020, 22, 7552-7555.	2.4	21

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127	Mechanism of the Bifunctional Multiple Product Sesterterpene Synthase AcAS from Aspergillus calidoustus. Angewandte Chemie - International Edition, 2022, 61, .	7.2	21
128	Synthesis of Deuterated Mevalonolactone Isotopomers. European Journal of Organic Chemistry, 2011, 2011, 3339-3346.	1.2	20
129	Positionâ€Specific Mass Shift Analysis: A Systematic Method for Investigating the Eiâ€MS Fragmentation Mechanism of epiâ€Isozizaene. ChemBioChem, 2016, 17, 1333-1337.	1.3	20
130	Volatiles from the fungal microbiome of the marine sponge Callyspongia cf. flammea. Organic and Biomolecular Chemistry, 2017, 15, 7411-7421.	1.5	20
131	An Unusual Skeletal Rearrangement in the Biosynthesis of the Sesquiterpene Trichobrasilenol from Trichoderma. Angewandte Chemie - International Edition, 2019, 58, 15046-15050.	7.2	20
132	Polycyclic meroterpenoids, talaromyolides EÂâ˜ K for antiviral activity against pseudorabies virus from the endophytic fungus Talaromyces purpureogenus. Tetrahedron, 2020, 76, 131349.	1.0	20
133	Functional Switch and Ethyl Group Formation in the Bacterial Polytrichastrene Synthase from Chryseobacterium polytrichastri. Angewandte Chemie - International Edition, 2021, 60, 20781-20785.	7.2	20
134	Halogenated volatiles from the fungus Geniculosporium and the actinomycete Streptomyces chartreusis. Beilstein Journal of Organic Chemistry, 2013, 9, 2767-2777.	1.3	19
135	Structural Revision and Elucidation of the Biosynthesis of Hypodoratoxide by ¹³C,¹³C COSY NMR Spectroscopy. Angewandte Chemie - International Edition, 2015, 54, 6637-6640.	7.2	19
136	The AngFus3 Mitogen-Activated Protein Kinase Controls Hyphal Differentiation and Secondary Metabolism in Aspergillus niger. Eukaryotic Cell, 2015, 14, 602-615.	3.4	19
137	Experimental and Theoretical Studies on Corvol Ether Biosynthesis. ChemBioChem, 2016, 17, 146-149.	1.3	19
138	Mechanistische Charakterisierung von zwei Sesquiterpenâ€Cyclasen aus dem phytopathogenen Pilz Fusarium fujikuroi. Angewandte Chemie, 2016, 128, 8890-8893.	1.6	19
139	Erweiterung des synthetischen Potenzials von Sesquiterpencyclasen zur Erzeugung von nichtnatÃ¼rlichen Terpenoiden. Angewandte Chemie, 2018, 130, 11976-11980.	1.6	19
140	Pristinol, ein Sesquiterpenâ€Alkohol mit ungewÃ¶hnlichem GerÃ¼st aus Streptomyces pristinaespiralis. Angewandte Chemie, 2016, 128, 10296-10299.	1.6	18
141	An Additional Dehydrataseâ€Like Activity is Required for Lankacidin Antibiotic Biosynthesis. ChemBioChem, 2011, 12, 2408-2412.	1.3	17
142	Isotopically labeled sulfur compounds and synthetic selenium and tellurium analogues to study sulfur metabolism in marine bacteria. Beilstein Journal of Organic Chemistry, 2013, 9, 942-950.	1.3	17
143	Pogostol Biosynthesis by the Endophytic Fungus Geniculosporium. ChemBioChem, 2014, 15, 2379-2383.	1.3	17
144	The EIMS fragmentation mechanisms of the sesquiterpenes corvol ethers A and B, epi-cubebol and isodauc-8-en-11-ol. Beilstein Journal of Organic Chemistry, 2016, 12, 1380-1394.	1.3	17

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145	Labeling Studies Clarify the Committed Step in Bacterial Gibberellin Biosynthesis. Organic Letters, 2016, 18, 5974-5977.	2.4	17
146	Isoafricanol synthase from Streptomyces malaysiensis. Organic and Biomolecular Chemistry, 2017, 15, 2353-2358.	1.5	16
147	On the mechanism of ophiobolin F synthase and the absolute configuration of its product by isotopic labelling experiments. Organic and Biomolecular Chemistry, 2020, 18, 6072-6076.	1.5	16
148	1,2â€•or 1,3â€Hydride Shifts: What Controls Guaiane Biosynthesis?. Chemistry - A European Journal, 2021, 27, 9758-9762.	1.7	16
149	The Termite Fungal CultivarTermitomycesCombines Diverse Enzymes and Oxidative Reactions for Plant Biomass Conversion. MBio, 2021, 12, e0355120.	1.8	16
150	A Flavoprotein Dioxygenase Steers Bacterial Tropone Biosynthesis via Coenzyme A-Ester Oxygenolysis and Ring Epoxidation. Journal of the American Chemical Society, 2021, 143, 10413-10421.	6.6	16
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