Christian Hertweck

List of Publications by Year
in descending order

386 papers	27,274 citations	6592 79 h-index	9839 141 g-index
495 all docs	495 docs citations	495 times ranked	18268 citing authors

#	Article	IF	Citations
1	Ribosomally synthesized and post-translationally modified peptide natural products: overview and recommendations for a universal nomenclature. Natural Product Reports, 2013, 30, 108-160.	5.2	1,692
2	The Biosynthetic Logic of Polyketide Diversity. Angewandte Chemie - International Edition, 2009, 48, 4688-4716.	7.2	1,108
3	Minimum Information about a Biosynthetic Gene cluster. Nature Chemical Biology, 2015, 11, 625-631.	3.9	715
4	Intimate bacterialâ€“fungal interaction triggers biosynthesis of archetypal polyketides in Aspergillus nidulans. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 14558-14563.	3.3	607
5	Pathogenic fungus harbours endosymbiotic bacteria for toxin production. Nature, 2005, 437, 884-888.	13.7	589
6	Chemical Ecology of Endophytic Fungi: Origins of Secondary Metabolites. Chemistry and Biology, 2012, 19, 792-798.	6.2	562
7	Genomics-driven discovery of PKS-NRPS hybrid metabolites from Aspergillus nidulans. Nature Chemical Biology, 2007, 3, 213-217.	3.9	550
8	Type II polyketide synthases: gaining a deeper insight into enzymatic teamwork. Natural Product Reports, 2007, 24, 162-190.	5.2	513
9	Triggering cryptic natural product biosynthesis in microorganisms. Organic and Biomolecular Chemistry, 2009, 7, 1753.	1.5	500
10	Enzymatic Carbonâ€“Sulfur Bond Formation in Natural Product Biosynthesis. Chemical Reviews, 2017, 117, 5521-5577.	23.0	422
11	Exploiting the mosaic structure of trans-acyltransferase polyketide synthases for natural product discovery and pathway dissection. Nature Biotechnology, 2008, 26, 225-233.	9.4	362
12	The chemistry and biology of cytochalasans. Natural Product Reports, 2010, 27, 869.	5.2	336
13	Symbiotic streptomycetes provide antibiotic combination prophylaxis for wasp offspring. Nature Chemical Biology, 2010, 6, 261-263.	3.9	323
14	Bacteria-induced natural product formation in the fungus Aspergillus nidulans requires Saga/Ada-mediated histone acetylation. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 14282-14287.	3.3	322
15	Biosynthesis and attachment of novel bacterial polyketide synthase starter units. Natural Product Reports, 2002, 19, 70-99.	5.2	292
16	Genomics-inspired discovery of natural products. Current Opinion in Chemical Biology, 2011, 15, 22-31.	2.8	225
17	Endosymbiont-Dependent Host Reproduction Maintains Bacterial-Fungal Mutualism. Current Biology, 2007, 17, 773-777.	1.8	218
18	A Gene Cluster Encoding Rhizoxin Biosynthesis in â€œBurkholderia rhizoxinaâ€, the Bacterial Endosymbiont of the FungusRhizopus microsporus. ChemBioChem, 2007, 8, 41-45.	1.3	208

#	Article	IF	Citations
19	Xiamycin, a pentacyclic indolosesquiterpene with selective anti-HIV activity from a bacterial mangrove endophyte. Bioorganic and Medicinal Chemistry Letters, 2010, 20, 6685-6687.	1.0	186
20	Molecular Basis of Cytochalasan Biosynthesis in Fungi:â€‰ Gene Cluster Analysis and Evidence for the Involvement of a PKS-NRPS Hybrid Synthase by RNA Silencing. Journal of the American Chemical Society, 2007, 129, 9564-9565.	6.6	184
21	Burkholderia rhizoxinica sp. nov. and Burkholderia endofungorum sp. nov., bacterial endosymbionts of the plant-pathogenic fungus Rhizopus microsporus. International Journal of Systematic and Evolutionary Microbiology, 2007, 57, 2583-2590.	0.8	182
22	Comparative and functional genomics provide insights into the pathogenicity of dermatophytic fungi. Genome Biology, 2011, 12, R7.	13.9	181
23	Closthioamide: An Unprecedented Polythioamide Antibiotic from the Strictly Anaerobic Bacterium Clostridium cellulolyticum. Angewandte Chemie - International Edition, 2010, 49, 2011-2013.	7.2	177
24	Biosynthesis and function of gliotoxin in Aspergillus fumigatus. Applied Microbiology and Biotechnology, 2012, 93, 467-472.	1.7	172
25	Molecular Diversity Sculpted by Fungal PKSâ€“NRPS Hybrids. ChemBioChem, 2013, 14, 28-42.	1.3	171
26	Iteration as Programmed Event during Polyketide Assembly; Molecular Analysis of the Aureothin Biosynthesis Gene Cluster. Chemistry and Biology, 2003, 10, 1225-1232.	6.2	165
27	Fungal phytotoxins as mediators of virulence. Current Opinion in Plant Biology, 2009, 12, 390-398.	3.5	161
28	A family of multicyclic indolosesquiterpenes from a bacterial endophyte. Organic and Biomolecular Chemistry, 2011, 9, 4029.	1.5	160
29	Symbiont-Derived Antimicrobials Contribute to the Control of the Lepidopteran Gut Microbiota. Cell Chemical Biology, 2017, 24, 66-75.	2.5	157
30	Advances in cloning, functional analysis and heterologous expression of fungal polyketide synthase genes. Journal of Biotechnology, 2006, 124, 690-703.	1.9	156
31	Cloning, sequencing and analysis of the enterocin biosynthesis gene cluster from the marine isolate â€˜Streptomyces maritimusâ€™: evidence for the derailment of an aromatic polyketide synthase. Chemistry and Biology, 2000, 7, 943-955.	6.2	153
32	Antimitotic Rhizoxin Derivatives from a Cultured Bacterial Endosymbiont of the Rice Pathogenic FungusRhizopusmicrosporus. Journal of the American Chemical Society, 2006, 128, 11529-11536.	6.6	153
33	Antibiotic-producing symbionts dynamically transition between plant pathogenicity and insect-defensive mutualism. Nature Communications, 2017, 8, 15172.	5.8	152
34	Hidden biosynthetic treasures brought to light. Nature Chemical Biology, 2009, 5, 450-452.	3.9	146
35	Ribosomal Synthesis of Tricyclic Depsipeptides in Bloomâ€Forming Cyanobacteria. Angewandte Chemie - International Edition, 2008, 47, 7756-7759.	7.2	145
36	Activation of a Silent Fungal Polyketide Biosynthesis Pathway through Regulatory Cross Talk with a Cryptic Nonribosomal Peptide Synthetase Gene Cluster. Applied and Environmental Microbiology, 2010, 76, 8143-8149.	1.4	143

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37	Rhizonin, the First Mycotoxin Isolated from the Zygomycota, Is Not a Fungal Metabolite but Is Produced by Bacterial Endosymbionts. Applied and Environmental Microbiology, 2007, 73, 793-797.	1.4	141
38	Discovery of aspoquinolones Aâ€“D, prenylated quinoline-2-one alkaloids from Aspergillus nidulans, motivated by genome mining. Organic and Biomolecular Chemistry, 2006, 4, 3517-3520.	1.5	136
39	Analysis of the Aspergillus fumigatus Proteome Reveals Metabolic Changes and the Activation of the Pseurotin A Biosynthesis Gene Cluster in Response to Hypoxia. Journal of Proteome Research, 2011, 10, 2508-2524.	1.8	135
40	Mining and unearthing hidden biosynthetic potential. Nature Communications, 2021, 12, 3864.	5.8	134
41	Microalgae in the postgenomic era: a blooming reservoir for new natural products. FEMS Microbiology Reviews, 2012, 36, 761-785.	3.9	131
42	Molecular Bacteria-Fungi Interactions: Effects on Environment, Food, and Medicine. Annual Review of Microbiology, 2013, 67, 375-397.	2.9	131
43	Molecular Basis for Mycophenolic Acid Biosynthesis in Penicillium brevicompactum. Applied and Environmental Microbiology, 2011, 77, 3035-3043.	1.4	130
44	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.	3.3	130
45	Transannular Disulfide Formation in Gliotoxin Biosynthesis and Its Role in Self-Resistance of the Human Pathogen Aspergillus fumigatus. Journal of the American Chemical Society, 2010, 132, 10136-10141.	6.6	128
46	The MAP kinase MpkA controls cell wall integrity, oxidative stress response, gliotoxin production and iron adaptation in Aspergillus fumigatus. Molecular Microbiology, 2011, 82, 39-53.	1.2	125
47	Bacterium Induces Cryptic Meroterpenoid Pathway in the Pathogenic Fungus Aspergillus fumigatus. ChemBioChem, 2013, 14, 938-942.	1.3	120
48	A Dedicated Glutathione S-Transferase Mediates Carbonâ€“Sulfur Bond Formation in Gliotoxin Biosynthesis. Journal of the American Chemical Society, 2011, 133, 12322-12325.	6.6	118
49	Genome mining for ribosomally synthesized and post-translationally modified peptides (RiPPs) in anaerobic bacteria. BMC Genomics, 2014, 15, 983.	1.2	118
50	Endofungal bacterium controls its host by an hrp type III secretion system. ISME Journal, 2011, 5, 252-261.	4.4	112
51	Plant-like Biosynthetic Pathways in Bacteria:Â From Benzoic Acid to Chalcone1. Journal of Natural Products, 2002, 65, 1956-1962.	1.5	111
52	Bacterial Synthesis of Diverse Indole Terpene Alkaloids by an Unparalleled Cyclization Sequence. Angewandte Chemie - International Edition, 2012, 51, 10293-10297.	7.2	110
53	Vinylogous chain branching catalysed by a dedicated polyketide synthase module. Nature, 2013, 502, 124-128.	13.7	110
54	Biosynthetic Origin of the Rare Nitroaryl Moiety of the Polyketide Antibiotic Aureothin:Â Involvement of an UnprecedentedN-Oxygenase. Journal of the American Chemical Society, 2004, 126, 3694-3695.	6.6	109

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55	Keratin Degradation by Dermatophytes Relies on Cysteine Dioxygenase and a Sulfite Efflux Pump. Journal of Investigative Dermatology, 2013, 133, 1550-1555.	0.3	108
56	Microcyclamide Biosynthesis in Two Strains ofMicrocystis aeruginosa: from Structure to Genes and Vice Versa. Applied and Environmental Microbiology, 2008, 74, 1791-1797.	1.4	107
57	Active invasion of bacteria into living fungal cells. ELife, 2014, 3, e03007.	2.8	107
58	Antibiotics from neglected bacterial sources. International Journal of Medical Microbiology, 2014, 304, 14-22.	1.5	106
59	Terrein Biosynthesis in Aspergillus terreus and Its Impact on Phytotoxicity. Chemistry and Biology, 2014, 21, 719-731.	6.2	106
60	Optimisation of a 2-D gel electrophoresis protocol for the human-pathogenic fungus Aspergillus fumigatus. Current Genetics, 2006, 49, 178-189.	0.8	104
61	Terpenoid Biosynthesis Off the Beaten Track: Unconventional Cyclases and Their Impact on Biomimetic Synthesis. Angewandte Chemie - International Edition, 2015, 54, 2604-2626.	7.2	104
62	Functionally Distinct Modules Operate Two Consecutive Î±,Î²â†'Î²,Î³ Doubleâ€Bond Shifts in the Rhizoxin Polyketide Assembly Line. Angewandte Chemie - International Edition, 2010, 49, 1460-1464.	7.2	102
63	Evolution of an endofungal Lifestyle: Deductions from the Burkholderia rhizoxinica Genome. BMC Genomics, 2011, 12, 210.	1.2	102
64	Biosynthesis and Structure of Aeruginoside 126A and 126B, Cyanobacterial Peptide Glycosides Bearing a 2-Carboxy-6-Hydroxyoctahydroindole Moiety. Chemistry and Biology, 2007, 14, 565-576.	6.2	101
65	Genomicsâ€Driven Discovery of Burkholderic Acid, a Noncanonical, Cryptic Polyketide from Human Pathogenic Burkholderia Species. Angewandte Chemie - International Edition, 2012, 51, 11611-11615.	7.2	101
66	Complete Genome Sequence of Burkholderia rhizoxinica , an Endosymbiont of Rhizopus microsporus. Journal of Bacteriology, 2011, 193, 783-784.	1.0	98
67	Botryorhodines Aâ€"D, antifungal and cytotoxic depsidones from Botryosphaeria rhodina, an endophyte of the medicinal plant Bidens pilosa. Phytochemistry, 2010, 71, 110-116.	1.4	96
68	Structure and Alignment of the Membrane-Associated Peptaibols Ampullosporin A and Alamethicin by Oriented 15N and 31P Solid-State NMR Spectroscopy. Biophysical Journal, 2009, 96, 86-100.	0.2	95
69	Biosynthesis of Nitro Compounds. ChemBioChem, 2007, 8, 973-977.	1.3	93
70	Plasticity and Evolution of Aeruginosin Biosynthesis in Cyanobacteria. Applied and Environmental Microbiology, 2009, 75, 2017-2026.	1.4	92
71	A genomic approach to the cryptic secondary metabolome of the anaerobic world. Natural Product Reports, 2013, 30, 392-428.	5.2	92
72	Biosynthesis of the Halogenated Mycotoxin Aspirochlorine in Koji Mold Involves a Cryptic Amino Acid Conversion. Angewandte Chemie - International Edition, 2014, 53, 13409-13413.	7.2	90

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73	Bioinspired Total Synthesis of Sespenine. Angewandte Chemie - International Edition, 2014, 53, 9012-9016.	7.2	89
74	Divergolidesâ€…Aâ€“D from a Mangrove Endophyte Reveal an Unparalleled Plasticity in ansaâ€Macrolide Biosynthesis. Angewandte Chemie - International Edition, 2011, 50, 1630-1634.	7.2	87
75	Multifactorial Induction of an Orphan PKS-NRPS Gene Cluster in Aspergillus terreus. Chemistry and Biology, 2011, 18, 198-209.	6.2	87
76	Opposed Effects of Enzymatic Gliotoxin N- and S-Methylations. Journal of the American Chemical Society, 2014, 136, 11674-11679.	6.6	87
77	An antifungal polyketide associated with horizontally acquired genes supports symbiont-mediated defense in Lagria villosa beetles. Nature Communications, 2018, 9, 2478.	5.8	86
78	Global Distribution and Evolution of a Toxinogenic Burkholderia-Rhizopus Symbiosis. Applied and Environmental Microbiology, 2009, 75, 2982-2986.	1.4	83
79	Exploiting the Natural Diversity of Microviridin Gene Clusters for Discovery of Novel Tricyclic Depsipeptides. Applied and Environmental Microbiology, 2010, 76, 3568-3574.	1.4	83
80	Endofungal bacteria as producers of mycotoxins. Trends in Microbiology, 2009, 17, 570-576.	3.5	82
81	Functional genomic profiling of Aspergillus fumigatus biofilm reveals enhanced production of the mycotoxin gliotoxin. Proteomics, 2010, 10, 3097-3107.	1.3	82
82	Biosynthesis of the Respiratory Toxin Bongkrekic Acid in the Pathogenic Bacterium Burkholderia gladioli. Chemistry and Biology, 2012, 19, 1164-1174.	6.2	81
83	Biosynthesis of the Antitumor Agent Chartreusin Involves the Oxidative Rearrangement of an Anthracyclic Polyketide. Chemistry and Biology, 2005, 12, 579-588.	6.2	80
84	Mediators of mutualistic microbeâ€“microbe interactions. Natural Product Reports, 2018, 35, 303-308.	5.2	77
85	Formation of the Aureothin Tetrahydrofuran Ring by a Bifunctional Cytochrome P450 Monooxygenase. Journal of the American Chemical Society, 2004, 126, 16742-16743.	6.6	76
86	Induced Biosynthesis of Cryptic Polyketide Metabolites in a Burkholderia thailandensis Quorum Sensing Mutant. Journal of the American Chemical Society, 2010, 132, 13966-13968.	6.6	76
87	Decoding and reprogramming complex polyketide assembly lines: prospects for synthetic biology. Trends in Biochemical Sciences, 2015, 40, 189-199.	3.7	76
88	Nonâ€Colinear Polyketide Biosynthesis in the Aureothin and Neoaureothin Pathways: An Evolutionary Perspective. ChemBioChem, 2007, 8, 1841-1849.	1.3	75
89	Biomimetic Thioesters as Probes for Enzymatic Assembly Lines: Synthesis, Applications, and Challenges. Cell Chemical Biology, 2016, 23, 1179-1192.	2.5	75
90	Sequential Enzymatic Oxidation of Aminoarenes to Nitroarenes via Hydroxylamines. Angewandte Chemie - International Edition, 2005, 44, 4083-4087.	7.2	73

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91	Regiodivergent Nï£¿C and Nï£¿N Aryl Coupling Reactions of Indoloterpenes and Cycloether Formation Mediated by a Single Bacterial Flavoenzyme. Angewandte Chemie - International Edition, 2013, 52, 9040-9043.	7.2	73
92	Gramibactin is a bacterial siderophore with a diazeniumdiolate ligand system. Nature Chemical Biology, 2018, 14, 841-843.	3.9	73
93	A Gene Cluster Encoding Resistomycin Biosynthesis inStreptomyces resistomycificus; Exploring Polyketide Cyclization beyond Linear and Angucyclic Patterns. Journal of the American Chemical Society, 2004, 126, 2298-2299.	6.6	72
94	Evolution of host resistance in a toxin-producing bacterialâ€“fungal alliance. ISME Journal, 2008, 2, 632-641.	4.4	72
95	Polyketideâ€Chain Branching by an Enzymatic Michael Addition. Angewandte Chemie - International Edition, 2009, 48, 5001-5004.	7.2	70
96	The Molecular Basis of Conjugated Polyyne Biosynthesis in Phytopathogenic Bacteria. Angewandte Chemie - International Edition, 2014, 53, 7794-7798.	7.2	70
97	Chemical warfare between leafcutter ant symbionts and a co-evolved pathogen. Nature Communications, 2018, 9, 2208.	5.8	70
98	Molecular Analysis of the Benastatin Biosynthetic Pathway and Genetic Engineering of Altered Fatty Acidâ^'Polyketide Hybrids. Journal of the American Chemical Society, 2007, 129, 6022-6030.	6.6	69
99	Symbiotic Cooperation in the Biosynthesis of a Phytotoxin. Angewandte Chemie - International Edition, 2012, 51, 9615-9618.	7.2	69
100	A ketosynthase homolog uses malonyl units to form esters in cervimycin biosynthesis. Nature Chemical Biology, 2012, 8, 154-161.	3.9	69
101	A Non-canonical Melanin Biosynthesis Pathway Protects Aspergillus terreus Conidia from Environmental Stress. Cell Chemical Biology, 2016, 23, 587-597.	2.5	67
102	Aspernidine A and B, prenylated isoindolinone alkaloids from the model fungus Aspergillus nidulans. Journal of Antibiotics, 2010, 63, 375-377.	1.0	66
103	Antagonistic bacteria disrupt calcium homeostasis and immobilize algal cells. Nature Communications, 2017, 8, 1756.	5.8	66
104	Structural Fine-Tuning of a Multifunctional Cytochrome P450 Monooxygenase. Journal of the American Chemical Society, 2011, 133, 2292-2302.	6.6	65
105	Tuf of Streptococcus pneumoniae is a surface displayed human complement regulator binding protein. Molecular Immunology, 2014, 62, 249-264.	1.0	65
106	Biosynthesis of Polyunsaturated Fatty Acids by Polyketide Synthases. Angewandte Chemie - International Edition, 2002, 41, 1866.	7.2	64
107	Biosynthesis of Pentangular Polyphenols:Â Deductions from the Benastatin and Griseorhodin Pathways. Journal of the American Chemical Society, 2007, 129, 9306-9312.	6.6	62
108	A cryptic PKSâ€“NRPS gene locus in the plant commensal Pseudomonas fluorescens Pf-5 codes for the biosynthesis of an antimitotic rhizoxin complex. Organic and Biomolecular Chemistry, 2007, 5, 2211-2213.	1.5	62

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109	ScbA from Streptomyces coelicolor A3(2) has homology to fatty acid synthases and is able to synthesize Î³-butyrolactones. Microbiology (United Kingdom), 2007, 153, 1394-1404.	0.7	61
110	Biosynthesis of antifungal and antibacterial polyketides by Burkholderia gladioli in coculture with Rhizopus microsporus. Mycoses, 2014, 57, 48-55.	1.8	61
111	Bacterial Synthesis of Unusual Sulfonamide and Sulfone Antibiotics by Flavoenzymeâ€Mediated Sulfur Dioxide Capture. Angewandte Chemie - International Edition, 2015, 54, 13279-13283.	7.2	61
112	A Plant-like Biosynthesis of Benzoyl-CoA in the Marine Bacterium â€˜Streptomyces maritimusâ€™. Tetrahedron, 2000, 56, 9115-9120.	1.0	59
113	Activation of fungal silent gene clusters: A new avenue to drug discovery. , 2008, 66, 1-12.		59
114	Sequential Asymmetric Polyketide Heterocyclization Catalyzed by a Single Cytochromeâ€…P450 Monooxygenase (AurH). Angewandte Chemie - International Edition, 2008, 47, 8872-8875.	7.2	58
115	Unexpected Bacterial Origin of the Antibiotic Icosalide: Two-Tailed Depsipeptide Assembly in Multifarious Burkholderia Symbionts. ACS Chemical Biology, 2018, 13, 2414-2420.	1.6	58
116	Epidithiodiketopiperazine Biosynthesis: A Fourâ€Enzyme Cascade Converts Glutathione Conjugates into Transannular Disulfide Bridges. Angewandte Chemie - International Edition, 2013, 52, 11092-11095.	7.2	57
117	Nitro versus Hydroxamate in Siderophores of Pathogenic Bacteria: Effect of Missing Hydroxylamine Protection in Malleobactin Biosynthesis. Angewandte Chemie - International Edition, 2013, 52, 8271-8275.	7.2	57
118	Mutasynthesis of Aureonitrile: An Aureothin Derivative with Significantly Improved Cytostatic Effect. Angewandte Chemie - International Edition, 2005, 44, 1202-1205.	7.2	56
119	Functional Analysis of the Aureothin Iterative Type I Polyketide Synthase. ChemBioChem, 2005, 6, 908-912.	1.3	56
120	Cervimycin A-D: A Polyketide Glycoside Complex from a Cave Bacterium Can Defeat Vancomycin Resistance. Chemistry - A European Journal, 2005, 11, 5523-5530.	1.7	56
121	Kandenols Aâ€“E, Eudesmenes from an Endophytic Streptomyces sp. of the Mangrove Tree Kandelia candel. Journal of Natural Products, 2012, 75, 2223-2227.	1.5	56
122	Imaging Mass Spectrometry and Genome Mining Reveal Highly Antifungal Virulence Factor of Mushroom Soft Rot Pathogen. Angewandte Chemie - International Edition, 2012, 51, 13173-13177.	7.2	56
123	Epidithiol Formation by an Unprecedented Twin Carbonâ€“Sulfur Lyase in the Gliotoxin Pathway. Angewandte Chemie - International Edition, 2012, 51, 10064-10068.	7.2	56
124	Discovery of Clostrubin, an Exceptional Polyphenolic Polyketide Antibiotic from a Strictly Anaerobic Bacterium. Angewandte Chemie - International Edition, 2014, 53, 7856-7859.	7.2	56
125	Phytotoxin production in Aspergillus terreus is regulated by independent environmental signals. ELife, 2015, 4, .	2.8	56
126	Targeted induction of a silent fungal gene cluster encoding the bacteria-specific germination inhibitor fumigermin. ELife, 2020, 9, .	2.8	56

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127	Context-Dependent Behavior of the Enterocin Iterative Polyketide Synthase. Chemistry and Biology, 2004, 11, 461-468.	6.2	55
128	The Fungal Quorum-Sensing Molecule Farnesol Activates Innate Immune Cells but Suppresses Cellular Adaptive Immunity. MBio, 2015, 6, e00143.	1.8	55
129	Leader Peptide and a Membrane Protein Scaffold Guide the Biosynthesis of the Tricyclic Peptide Microviridin. Chemistry and Biology, 2011, 18, 1413-1421.	6.2	54
130	Nostopeptolide plays a governing role during cellular differentiation of the symbiotic cyanobacterium Nostoc punctiforme. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 1862-1867.	3.3	54
131	Chain release mechanisms in polyketide and non-ribosomal peptide biosynthesis. Natural Product Reports, 2022, 39, 163-205.	5.2	54
132	Genomicsâ€Driven Discovery of NOâ€Donating Diazeniumdiolate Siderophores in Diverse Plantâ€Associated Bacteria. Angewandte Chemie - International Edition, 2019, 58, 13024-13029.	7.2	53
133	Mutasynthesis of Enterocin and Wailupemycin Analogues. Journal of the American Chemical Society, 2003, 125, 9290-9291.	6.6	52
134	Structure and Action of the N-oxygenase AurF from Streptomyces thioluteus. Journal of Molecular Biology, 2007, 373, 65-74.	2.0	52
135	A Branched Extender Unit Shared between Two Orthogonal Polyketide Pathways in an Endophyte. Angewandte Chemie - International Edition, 2011, 50, 4667-4670.	7.2	52
136	Polyketide Proofreading by an Acyltransferase-like Enzyme. Chemistry and Biology, 2012, 19, 329-339.	6.2	52
137	Distinct Amino Acids of Histone H3 Control Secondary Metabolism in Aspergillus nidulans. Applied and Environmental Microbiology, 2013, 79, 6102-6109.	1.4	52
138	Plant pathogenic anaerobic bacteria use aromatic polyketides to access aerobic territory. Science, 2015, 350, 670-674.	6.0	52
139	Detection of antibiotics synthetized in microfluidic picolitre-droplets by various actinobacteria. Scientific Reports, 2018, 8, 13087.	1.6	52
140	Horizontal Gene Transfer to a Defensive Symbiont with a Reduced Genome in a Multipartite Beetle Microbiome. MBio, 2020, 11, .	1.8	52
141	Epicoccarines A, B and epipyridone: tetramic acids and pyridone alkaloids from an Epicoccum sp. associated with the tree fungus Pholiota squarrosa. Organic and Biomolecular Chemistry, 2007, 5, 1702.	1.5	51
142	A Mechanism of Benzoic Acid Biosynthesis in Plants and Bacteria that Mirrors Fatty Acid Î²-Oxidation. ChemBioChem, 2001, 2, 784.	1.3	50
143	Photochemical Origin of the Immunosuppressive SNF4435C/D and Formation of Orinocin through â€œPolyene Splicingâ€. Angewandte Chemie - International Edition, 2006, 45, 7835-7838.	7.2	50
144	Quercinol, an anti-inflammatory chromene from the wood-rotting fungus Daedalea quercina (Oak) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.0	50

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145	An Unusual Galactofuranose Lipopolysaccharide That Ensures the Intracellular Survival of Toxinâ€Producing Bacteria in Their Fungal Host. Angewandte Chemie - International Edition, 2010, 49, 7476-7480.	7.2	50
146	Flavoenzymeâ€Catalyzed Formation of Disulfide Bonds in Natural Products. Angewandte Chemie - International Edition, 2014, 53, 2221-2224.	7.2	50
147	Pseudoxylallemycins Aâ€“F, Cyclic Tetrapeptides with Rare Allenyl Modifications Isolated from Pseudoxylaria sp. X802: A Competitor of Fungus-Growing Termite Cultivars. Organic Letters, 2016, 18, 3338-3341.	2.4	50
148	Antimicrobial discovery inspired by ecological interactions. Current Opinion in Microbiology, 2017, 39, 121-127.	2.3	50
149	On-line enzymatic tailoring of polyketides and peptides in thiotemplate systems. Current Opinion in Chemical Biology, 2016, 31, 82-94.	2.8	49
150	Orchestration of Discoid Polyketide Cyclization in the Resistomycin Pathway. Journal of the American Chemical Society, 2008, 130, 8307-8316.	6.6	47
151	Exploiting Enzymatic Promiscuity to Engineer a Focused Library of Highly Selective Antifungal and Antiproliferative Aureothin Analogues. Journal of the American Chemical Society, 2010, 132, 10407-10413.	6.6	47
152	Synthetic Remodeling of the Chartreusin Pathway to Tune Antiproliferative and Antibacterial Activities. Journal of the American Chemical Society, 2013, 135, 17408-17416.	6.6	47
153	Impact of Endofungal Bacteria on Infection Biology, Food Safety, and Drug Development. PLoS Pathogens, 2011, 7, e1002096.	2.1	46
154	Harnessing the Evolvability of Tricyclic Microviridins To Dissect Proteaseâ€“Inhibitor Interactions. Angewandte Chemie - International Edition, 2014, 53, 3735-3738.	7.2	46
155	Chemical Mediators at the Bacterial-Fungal Interface. Annual Review of Microbiology, 2020, 74, 267-290.	2.9	46
156	Regio- and Chemoselective Enzymatic N-Oxygenation In Vivo, In Vitro, and in Flow. Angewandte Chemie - International Edition, 2006, 45, 8016-8018.	7.2	45
157	Antiterminatorâ€Mediated Unveiling of Cryptic Polythioamides in an Anaerobic Bacterium. Angewandte Chemie - International Edition, 2012, 51, 2425-2428.	7.2	45
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