

# Christian Hertweck

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

423 papers	21,283 citations	73 h-index	128 g-index
495 ext. papers	24,779 ext. citations	8.5 avg, IF	7.29 L-index

#	Paper	IF	Citations
4 <sup>23</sup>	Fusaric acid detoxification: a strategy of Gliocladium roseum involved in its antagonism against Fusarium verticillioides.. <i>Mycotoxin Research</i> , <b>2022</b> , 38, 13	4	1
4 <sup>22</sup>	Plant-like cadinane sesquiterpenes from an actinobacterial mangrove endophyte. <i>Magnetic Resonance in Chemistry</i> , <b>2021</b> , 59, 34-42	2.1	1
4 <sup>21</sup>	Enzyme-Primed Native Chemical Ligation Produces Autoinducing Cyclopeptides in Clostridia. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 10765-10774	3.6	0
4 <sup>20</sup>	Highly parallelized droplet cultivation and prioritization of antibiotic producers from natural microbial communities. <i>ELife</i> , <b>2021</b> , 10,	8.9	15
4 <sup>19</sup>	Biosynthesis of Sinapigliadioside, an Antifungal Isothiocyanate from Burkholderia Symbionts. <i>ChemBioChem</i> , <b>2021</b> , 22, 1920-1924	3.8	5
4 <sup>18</sup>	AoiQ Catalyzes Geminal Dichlorination of 1,3-Diketone Natural Products. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 7267-7271	16.4	3
4 <sup>17</sup>	Structural and Mechanistic Insights into C-S Bond Formation in Gliotoxin. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 14188-14194	16.4	3
4 <sup>16</sup>	Strukturelle und mechanistische Einblicke in die Bildung der C-S-Bindungen in Gliotoxin. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 14307-14314	3.6	0
4 <sup>15</sup>	Mining and unearthing hidden biosynthetic potential. <i>Nature Communications</i> , <b>2021</b> , 12, 3864	17.4	27
4 <sup>14</sup>	Bacterial cell wall-degrading enzymes induce basidiomycete natural product biosynthesis. <i>Environmental Microbiology</i> , <b>2021</b> , 23, 4360-4371	5.2	1
4 <sup>13</sup>	Multimodal Molecular Imaging and Identification of Bacterial Toxins Causing Mushroom Soft Rot and Cavity Disease. <i>ChemBioChem</i> , <b>2021</b> , 22, 2901-2907	3.8	2
4 <sup>12</sup>	Iron Coordination Properties of Gramibactin as Model for the New Class of Diazeniumdiolate Based Siderophores. <i>Chemistry - A European Journal</i> , <b>2021</b> , 27, 2724-2733	4.8	4
4 <sup>11</sup>	Specialized Flavoprotein Promotes Sulfur Migration and Spiroaminal Formation in Aspirochlorine Biosynthesis. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 206-213	16.4	9
4 <sup>10</sup>	An Unexpected Split-Merge Pathway in the Assembly of the Symmetric Nonribosomal Peptide Antibiotic Closthioamide. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 4104-4109	16.4	1
4 <sup>09</sup>	An Unexpected Split-Merge Pathway in the Assembly of the Symmetric Nonribosomal Peptide Antibiotic Closthioamide. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 4150-4155	3.6	0
4 <sup>08</sup>	N-Heterocyclization in Gliotoxin Biosynthesis is Catalyzed by a Distinct Cytochrome P450 Monooxygenase. <i>ChemBioChem</i> , <b>2021</b> , 22, 336-339	3.8	3
4 <sup>07</sup>	Chain release mechanisms in polyketide and non-ribosomal peptide biosynthesis. <i>Natural Product Reports</i> , <b>2021</b> ,	15.1	10

406	Enzyme-Primed Native Chemical Ligation Produces Autoinducing Cyclopeptides in Clostridia. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 10670-10679	16.4	3
405	A polyne toxin produced by an antagonistic bacterium blinds and lyses a Chlamydomonas alga. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2021</b> , 118,	11.5	5
404	The bacterium <i>Pseudomonas protegens</i> antagonizes the microalga <i>Chlamydomonas reinhardtii</i> using a blend of toxins. <i>Environmental Microbiology</i> , <b>2021</b> , 23, 5525-5540	5.2	4
403	Discovery of the <i>Pseudomonas</i> Polyne Protegencin by a Phylogeny-Guided Study of Polyne Biosynthetic Gene Cluster Diversity. <i>MBio</i> , <b>2021</b> , 12, e0071521	7.8	2
402	Bacterial endosymbionts protect beneficial soil fungus from nematode attack. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2021</b> , 118,	11.5	6
401	Ribosome-independent peptide biosynthesis: the challenge of a unifying nomenclature. <i>Natural Product Reports</i> , <b>2021</b> ,	15.1	2
400	Oxygenated Geosmins and Plant-like Eudesmanes from a Bacterial Mangrove Endophyte. <i>Journal of Natural Products</i> , <b>2020</b> , 83, 2207-2211	4.9	2
399	Insect-Associated Bacteria Assemble the Antifungal Butenolide Gladiofungin by Non-Canonical Polyketide Chain Termination. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 23322-23326	3.6	1
398	Oak-Associated Negativicute Equipped with Ancestral Aromatic Polyketide Synthase Produces Antimycobacterial Dendrubins. <i>Chemistry - A European Journal</i> , <b>2020</b> , 26, 13147-13151	4.8	7
397	Insect-Associated Bacteria Assemble the Antifungal Butenolide Gladiofungin by Non-Canonical Polyketide Chain Termination. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 23122-23126	16.4	15
396	Mining Symbionts of a Spider-Transmitted Fungus Illuminates Uncharted Biosynthetic Pathways to Cytotoxic Benzolactones. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 7766-7771	16.4	8
395	Mining Symbionts of a Spider-Transmitted Fungus Illuminates Uncharted Biosynthetic Pathways to Cytotoxic Benzolactones. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 7840-7845	3.6	
394	Reconstitution of polythioamide antibiotic backbone formation reveals unusual thiotemplated assembly strategy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 8850-8858	11.5	11
393	Horizontal Gene Transfer to a Defensive Symbiont with a Reduced Genome in a Multipartite Beetle Microbiome. <i>MBio</i> , <b>2020</b> , 11,	7.8	24
392	Targeted induction of a silent fungal gene cluster encoding the bacteria-specific germination inhibitor fumigermin. <i>ELife</i> , <b>2020</b> , 9,	8.9	25
391	Injury-Triggered Blueing Reactions of <i>Psilocybe</i> "Magic" Mushrooms. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 1450-1454	16.4	12
390	Identification and Mobilization of a Cryptic Antibiotic Biosynthesis Gene Locus from a Human-Pathogenic Isolate. <i>ACS Chemical Biology</i> , <b>2020</b> , 15, 1161-1168	4.9	4
389	Simultaneous Production of <i>Psilocybin</i> and a Cocktail of $\beta$ -Carboline Monoamine Oxidase Inhibitors in "Magic" Mushrooms. <i>Chemistry - A European Journal</i> , <b>2020</b> , 26, 729-734	4.8	19

388	Genome Mining and Heterologous Expression Reveal Two Distinct Families of Lasso Peptides Highly Conserved in Endofungal Bacteria. <i>ACS Chemical Biology</i> , <b>2020</b> , 15, 1169-1176	4.9	9
387	Injury-Triggered Blueing Reactions of <i>Psilocybe Magic</i> Mushrooms. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 1466-1470	3.6	4
386	Comparison of Proteomic Responses as Global Approach to Antibiotic Mechanism of Action Elucidation. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2020</b> , 65,	5.9	10
385	Chemical Mediators at the Bacterial-Fungal Interface. <i>Annual Review of Microbiology</i> , <b>2020</b> , 74, 267-290	17.5	16
384	Food-Poisoning Bacteria Employ a Citrate Synthase and a Type II NRPS To Synthesize Bolaamphiphilic Lipopeptide Antibiotics*. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 21535-21540	16.4	6
383	Lichen-like association of <i>Chlamydomonas reinhardtii</i> and <i>Aspergillus nidulans</i> protects algal cells from bacteria. <i>ISME Journal</i> , <b>2020</b> , 14, 2794-2805	11.9	10
382	Food-Poisoning Bacteria Employ a Citrate Synthase and a Type II NRPS To Synthesize Bolaamphiphilic Lipopeptide Antibiotics**. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 21719-21724	3.6	0
381	Helper bacteria halt and disarm mushroom pathogens by linearizing structurally diverse cyclolipopeptides. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 23802-23806	11.5	8
380	Sulfonium Acids Loaded onto an Unusual Thiotemplate Assembly Line Construct the Cyclopropanol Warhead of a Burkholderia Virulence Factor. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 13613-13617	3.6	1
379	Sulfonium Acids Loaded onto an Unusual Thiotemplate Assembly Line Construct the Cyclopropanol Warhead of a Burkholderia Virulence Factor. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 13511-13515	16.4	7
378	Induced Production, Synthesis, and Immunomodulatory Action of Clostrisulfone, a Diarylsulfone from <i>Clostridium acetobutylicum</i> . <i>Chemistry - A European Journal</i> , <b>2020</b> , 26, 15855-15858	4.8	1
377	Loss of Single-Domain Function in a Modular Assembly Line Alters the Size and Shape of a Complex Polyketide. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 18420-18424	3.6	3
376	Loss of Single-Domain Function in a Modular Assembly Line Alters the Size and Shape of a Complex Polyketide. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 18252-18256	16.4	8
375	Metabolic Pathway Rerouting in Evolved Long-Overlooked Derivatives of Coenzyme F. <i>ACS Chemical Biology</i> , <b>2019</b> , 14, 2088-2094	4.9	13
374	Emulating evolutionary processes to morph aureothin-type modular polyketide synthases and associated oxygenases. <i>Nature Communications</i> , <b>2019</b> , 10, 3918	17.4	20
373	Disruption of Membrane Integrity by the Bacterium-Derived Antifungal Jagaricin. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2019</b> , 63,	5.9	11
372	Biosynthesis of Diverse Antimicrobial and Antiproliferative Acyloins in Anaerobic Bacteria. <i>ACS Chemical Biology</i> , <b>2019</b> , 14, 1490-1497	4.9	11
371	Clostrindolin is an antimycobacterial pyrone alkaloid from <i>Clostridium beijerinckii</i> . <i>Organic and Biomolecular Chemistry</i> , <b>2019</b> , 17, 6119-6121	3.9	12

370	Melleolides impact fungal translation via elongation factor 2. <i>Organic and Biomolecular Chemistry</i> , <b>2019</b> , 17, 4906-4916	3.9	9
369	Mapping Natural Dyes in Archeological Textiles by Imaging Mass Spectrometry. <i>Scientific Reports</i> , <b>2019</b> , 9, 2331	4.9	5
368	Gliotoxin from <i>Aspergillus fumigatus</i> Abrogates Leukotriene B Formation through Inhibition of Leukotriene A Hydrolase. <i>Cell Chemical Biology</i> , <b>2019</b> , 26, 524-534.e5	8.2	10
367	Genome Mining Reveals Endopyrroles From a Nonribosomal Peptide Assembly Line Triggered in Fungal-Bacterial Symbiosis. <i>ACS Chemical Biology</i> , <b>2019</b> , 14, 1811-1818	4.9	9
366	Reconstitution of Iterative Thioamidation in Closthioamide Biosynthesis Reveals Tailoring Strategy for Nonribosomal Peptide Backbones. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 13148-13152	3.6	3
365	Genomics-Driven Discovery of NO-Donating Diazeniumdiolate Siderophores in Diverse Plant-Associated Bacteria. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 13158-13163	3.6	12
364	Cyclopropanol Warhead in Malleicyprol Confers Virulence of Human- and Animal-Pathogenic <i>Burkholderia</i> Species. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 14129-14133	16.4	20
363	Cyclopropanol Warhead in Malleicyprol Confers Virulence of Human- and Animal-Pathogenic <i>Burkholderia</i> Species. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 14267-14271	3.6	3
362	Reconstitution of Iterative Thioamidation in Closthioamide Biosynthesis Reveals Tailoring Strategy for Nonribosomal Peptide Backbones. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 13014-13018	16.4	11
361	Genomics-Driven Discovery of NO-Donating Diazeniumdiolate Siderophores in Diverse Plant-Associated Bacteria. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 13024-13029	16.4	34
360	Metal-Free Aryl Cross-Coupling Directed by Traceless Linkers. <i>Chemistry - A European Journal</i> , <b>2019</b> , 25, 16068	4.8	6
359	Discovery of Amidotemplated Natural Product Assembly. <i>Biochemistry</i> , <b>2019</b> , 58, 4583-4584	3.2	
358	Antifungal potential of secondary metabolites involved in the interaction between citrus pathogens. <i>Scientific Reports</i> , <b>2019</b> , 9, 18647	4.9	17
357	Unique Biosynthetic Pathway in Bloom-Forming Cyanobacterial Genus <i>Microcystis</i> Jointly Assembles Cytotoxic Aeruginoguanidines and Microguanidines. <i>ACS Chemical Biology</i> , <b>2019</b> , 14, 67-75	4.9	9
356	A Pair of Bacterial Siderophores Releases and Traps an Intercellular Signal Molecule: An Unusual Case of Natural Nitrone Bioconjugation. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 200-204	16.4	23
355	A Pair of Bacterial Siderophores Releases and Traps an Intercellular Signal Molecule: An Unusual Case of Natural Nitrone Bioconjugation. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 206-210	3.6	8
354	Two Types of Threonine-Tagged Lipopeptides Synergize in Host Colonization by Pathogenic <i>Burkholderia</i> Species. <i>ACS Chemical Biology</i> , <b>2018</b> , 13, 1370-1379	4.9	23
353	Mediators of mutualistic microbe-microbe interactions. <i>Natural Product Reports</i> , <b>2018</b> , 35, 303-308	15.1	36

352	Gramibactin is a bacterial siderophore with a diazeniumdiolate ligand system. <i>Nature Chemical Biology</i> , <b>2018</b> , 14, 841-843	11.7	51
351	Reconstitution of Enzymatic Carbon-Sulfur Bond Formation Reveals Detoxification-Like Strategy in Fungal Toxin Biosynthesis. <i>ACS Chemical Biology</i> , <b>2018</b> , 13, 2508-2512	4.9	8
350	Enzymatic Thioamide Formation in a Bacterial Antimetabolite Pathway. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 11748-11752	3.6	5
349	A giant type I polyketide synthase participates in zygosporangium maturation in <i>Chlamydomonas reinhardtii</i> . <i>Plant Journal</i> , <b>2018</b> , 95, 268-281	6.9	11
348	Enzymatic Amide Tailoring Promotes Retro-Aldol Amino Acid Conversion To Form the Antifungal Agent Aspirochlorine. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 14051-14054	16.4	8
347	Metal-Free Synthesis of Pharmaceutically Important Biaryls by Photosplicing. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 14684-14689	3.6	10
346	Enzymatic Amide Tailoring Promotes Retro-Aldol Amino Acid Conversion To Form the Antifungal Agent Aspirochlorine. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 14247-14250	3.6	0
345	Metal-Free Synthesis of Pharmaceutically Important Biaryls by Photosplicing. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 14476-14481	16.4	32
344	Genomics-Driven Discovery of a Symbiont-Specific Cyclopeptide from Bacteria Residing in the Rice Seedling Blight Fungus. <i>ChemBioChem</i> , <b>2018</b> , 19, 2167-2172	3.8	14
343	Chemical warfare between leafcutter ant symbionts and a co-evolved pathogen. <i>Nature Communications</i> , <b>2018</b> , 9, 2208	17.4	43
342	On-Line Polyketide Cyclization into Diverse Medium-Sized Lactones by a Specialized Ketosynthase Domain. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 11223-11227	16.4	7
341	Chromatin mapping identifies BasR, a key regulator of bacteria-triggered production of fungal secondary metabolites. <i>ELife</i> , <b>2018</b> , 7,	8.9	24
340	On-Line Polyketide Cyclization into Diverse Medium-Sized Lactones by a Specialized Ketosynthase Domain. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 11393-11397	3.6	
339	Genome Editing Reveals Novel Thiotemplated Assembly of Polythioamide Antibiotics in Anaerobic Bacteria. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 14080-14084	16.4	19
338	Genome Editing Reveals Novel Thiotemplated Assembly of Polythioamide Antibiotics in Anaerobic Bacteria. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 14276-14280	3.6	6
337	Genomics-driven discovery of a linear lipopeptide promoting host colonization by endofungal bacteria. <i>Organic and Biomolecular Chemistry</i> , <b>2018</b> , 16, 8345-8352	3.9	17
336	Unexpected Bacterial Origin of the Antibiotic Icosalide: Two-Tailed Depsipeptide Assembly in Multifarious Burkholderia Symbionts. <i>ACS Chemical Biology</i> , <b>2018</b> , 13, 2414-2420	4.9	41
335	Detection of antibiotics synthesized in microfluidic picolitre-droplets by various actinobacteria. <i>Scientific Reports</i> , <b>2018</b> , 8, 13087	4.9	35



334	Enzymatic Thioamide Formation in a Bacterial Antimetabolite Pathway. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 11574-11578	16.4	20
333	An antifungal polyketide associated with horizontally acquired genes supports symbiont-mediated defense in <i>Lagria villosa</i> beetles. <i>Nature Communications</i> , <b>2018</b> , 9, 2478	17.4	51
332	Symbiont-Derived Antimicrobials Contribute to the Control of the Lepidopteran Gut Microbiota. <i>Cell Chemical Biology</i> , <b>2017</b> , 24, 66-75	8.2	81
331	Discovery of an Extended Austinoid Biosynthetic Pathway in <i>Aspergillus calidoustus</i> . <i>ACS Chemical Biology</i> , <b>2017</b> , 12, 1227-1234	4.9	22
330	Induzierte chemische Verteidigung eines Ständerpilzes durch eine doppelbindungsverschiebende Polyensynthese. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 6031-6035	3.6	4
329	Induced Chemical Defense of a Mushroom by a Double-Bond-Shifting Polyene Synthase. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 5937-5941	16.4	24
328	Enzymatic Carbon-Sulfur Bond Formation in Natural Product Biosynthesis. <i>Chemical Reviews</i> , <b>2017</b> , 117, 5521-5577	68.1	260
327	Antibiotic-producing symbionts dynamically transition between plant pathogenicity and insect-defensive mutualism. <i>Nature Communications</i> , <b>2017</b> , 8, 15172	17.4	94
326	Cryptic indole hydroxylation by a non-canonical terpenoid cyclase parallels bacterial xenobiotic detoxification. <i>Nature Communications</i> , <b>2017</b> , 8, 15804	17.4	17
325	Gliotoxin Biosynthesis: Structure, Mechanism, and Metal Promiscuity of Carboxypeptidase GliJ. <i>ACS Chemical Biology</i> , <b>2017</b> , 12, 1874-1882	4.9	15
324	Electrochemical monitoring of ROS generation by anticancer agents: the case of chartreusin. <i>RSC Advances</i> , <b>2017</b> , 7, 45200-45210	3.7	7
323	High-Density Cultivation of Terrestrial Nostoc Strains Leads to Reprogramming of Secondary Metabolome. <i>Applied and Environmental Microbiology</i> , <b>2017</b> , 83,	4.8	18
322	A Highly Conserved Basidiomycete Peptide Synthetase Produces a Trimeric Hydroxamate Siderophore. <i>Applied and Environmental Microbiology</i> , <b>2017</b> , 83,	4.8	18
321	Antagonistic bacteria disrupt calcium homeostasis and immobilize algal cells. <i>Nature Communications</i> , <b>2017</b> , 8, 1756	17.4	38
320	Antimicrobial discovery inspired by ecological interactions. <i>Current Opinion in Microbiology</i> , <b>2017</b> , 39, 121-127	7.9	37
319	A functional link between hyphal maintenance and quorum sensing in <i>Candida albicans</i> . <i>Molecular Microbiology</i> , <b>2017</b> , 103, 595-617	4.1	24
318	Regioselective Dichlorination of a Non-Activated Aliphatic Carbon Atom and Phenolic Bismethylation by a Multifunctional Fungal Flavoenzyme. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 12134-12138	3.6	5
317	Regioselective Dichlorination of a Non-Activated Aliphatic Carbon Atom and Phenolic Bismethylation by a Multifunctional Fungal Flavoenzyme. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 11955-9	16.4	25

316	Daldionin, an Unprecedented Binaphthyl Derivative, and Diverse Polyketide Congeners from a Fungal Orchid Endophyte. <i>Chemistry - A European Journal</i> , <b>2016</b> , 22, 4551-5	4.8	25
315	Structural and Conformational Study of the O-Antigenic Portion of the Lipopolysaccharide Isolated from <i>Burkholderia gladioli</i> pv. <i>covenensis</i> . <i>European Journal of Organic Chemistry</i> , <b>2016</b> , 2016, 748-753	3.2	3
314	Zinc(II)-Assisted Aryl Finkelstein Reaction for the Synthesis of Aryl Iodides. <i>Synlett</i> , <b>2016</b> , 27, 1794-1797	2.2	0
313	Pseudoxyallalemycins A-F, Cyclic Tetrapeptides with Rare Allenyl Modifications Isolated from <i>Pseudoxyallaria</i> sp. X802: A Competitor of Fungus-Growing Termite Cultivars. <i>Organic Letters</i> , <b>2016</b> , 18, 3338-41	6.2	39
312	A concise total synthesis of sespenine, a structurally unusual indole terpenoid from <i>Streptomyces</i> . <i>Organic Chemistry Frontiers</i> , <b>2016</b> , 3, 368-374	5.2	23
311	On-line enzymatic tailoring of polyketides and peptides in thiotemplate systems. <i>Current Opinion in Chemical Biology</i> , <b>2016</b> , 31, 82-94	9.7	38
310	A Fivefold Parallelized Biosynthetic Process Secures Chlorination of <i>Armillaria mellea</i> (Honey Mushroom) Toxins. <i>Applied and Environmental Microbiology</i> , <b>2016</b> , 82, 1196-1204	4.8	22
309	Food preparation with mucoralean fungi: A potential biosafety issue?. <i>Fungal Biology</i> , <b>2016</b> , 120, 393-401	1.8	13
308	Bipiperidine conjugates as soluble sugar surrogates in DNA-intercalating antiproliferative polyketides. <i>Chemical Communications</i> , <b>2016</b> , 52, 4894-7	5.8	4
307	Zincophorin - biosynthesis in <i>Streptomyces griseus</i> and antibiotic properties. <i>GMS Infectious Diseases</i> , <b>2016</b> , 4, Doc08	0.9	5
306	Structural investigation of the lipopolysaccharide O-chain isolated from <i>Burkholderia fungorum</i> strain DSM 17061. <i>Carbohydrate Research</i> , <b>2016</b> , 433, 31-5	2.9	4
305	A widespread bacterial phenazine forms S-conjugates with biogenic thiols and crosslinks proteins. <i>Chemical Science</i> , <b>2016</b> , 7, 4848-4855	9.4	6
304	A Non-canonical Melanin Biosynthesis Pathway Protects <i>Aspergillus terreus</i> Conidia from Environmental Stress. <i>Cell Chemical Biology</i> , <b>2016</b> , 23, 587-597	8.2	50
303	Biomimetic Thioesters as Probes for Enzymatic Assembly Lines: Synthesis, Applications, and Challenges. <i>Cell Chemical Biology</i> , <b>2016</b> , 23, 1179-1192	8.2	45
302	Freedom and constraint in engineered noncolinear polyketide assembly lines. <i>Chemistry and Biology</i> , <b>2015</b> , 22, 229-40		25
301	Terpenoid-Biosynthese abseits bekannter Wege: unkonventionelle Cyclasen und ihre Bedeutung für die biomimetische Synthese. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 2640-2664	3.6	27
300	Mode of action of closthioamide: the first member of the polythioamide class of bacterial DNA gyrase inhibitors. <i>Journal of Antimicrobial Chemotherapy</i> , <b>2015</b> , 70, 2576-88	5.1	27
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43	Mutasynthesis of aureonitrile: an aureothin derivative with significantly improved cytostatic effect. <i>Angewandte Chemie - International Edition</i> , <b>2005</b> , 44, 1202-5	16.4	54
42	Sequential enzymatic oxidation of aminoarenes to nitroarenes via hydroxylamines. <i>Angewandte Chemie - International Edition</i> , <b>2005</b> , 44, 4083-7	16.4	64
41	Mutasynthese von Aureonitril, einem Aureothin-Derivat mit signifikant verbesserter zytostatischer Aktivität. <i>Angewandte Chemie</i> , <b>2005</b> , 117, 1226-1230	3.6	36
40	Sequenzielle enzymatische Oxidation von Aminoarenen zu Nitroarenen über Hydroxylamine. <i>Angewandte Chemie</i> , <b>2005</b> , 117, 4152-4155	3.6	22
39	Functional analysis of the aureothin iterative type I polyketide synthase. <i>ChemBioChem</i> , <b>2005</b> , 6, 908-12	3.8	51
38	Cervimycin A-D: a polyketide glycoside complex from a cave bacterium can defeat vancomycin resistance. <i>Chemistry - A European Journal</i> , <b>2005</b> , 11, 5523-30	4.8	37
37	Semisynthetic preparation of leucomycin derivatives: introduction of aromatic side chains by reductive amination. <i>Molecular Diversity</i> , <b>2005</b> , 9, 27-32	3.1	11
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35	Biosynthesis of cervimycin C, an aromatic polyketide antibiotic bearing an unusual dimethylmalonyl moiety. <i>Organic and Biomolecular Chemistry</i> , <b>2004</b> , 2, 2411-4	3.9	23
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28	Biosynthese von mehrfach ungesättigten Fettsäuren durch Polyketid-Synthasen. <i>Angewandte Chemie</i> , <b>2002</b> , 114, 1947	3.6	9
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26	Vegetation-derived abscisic acid and four terpenes enforce dormancy in seeds of the post-fire annual, <i>Nicotiana attenuata</i> . <i>Seed Science Research</i> , <b>2002</b> , 12, 239-252	1.3	37
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24	Plant-like biosynthetic pathways in bacteria: from benzoic acid to chalcone. <i>Journal of Natural Products</i> , <b>2002</b> , 65, 1956-62	4.9	90
23	A mechanism of benzoic acid biosynthesis in plants and bacteria that mirrors fatty acid beta-oxidation. <i>ChemBioChem</i> , <b>2001</b> , 2, 784-6	3.8	47
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7	Metabolic pathway rerouting in <i>Paraburkholderia rhizoxinica</i> evolved long-overlooked derivatives of coenzyme F420	2
6	Highly parallelized microfluidic droplet cultivation and prioritization on antibiotic producers from complex natural microbial communities	1
5	Secreted TAL effectors protect symbiotic bacteria from entrapment within fungal hyphae	2
4	Fungal chromatin mapping identifies BasR, as the regulatory node of bacteria-induced fungal secondary metabolism	2
3	Horizontal gene transfer to a defensive symbiont with a reduced genome amongst a multipartite beetle microbiome	2
2	A polyene toxin produced by an antagonistic bacterium blinds and lyses a green microalga	1
1	Exploration of polyene biosynthetic gene cluster diversity in bacteria leads to the discovery of the <i>Pseudomonas</i> polyene protegencin	1