

Christine Beemelmanns

List of Publications by Year in descending order

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Version: 2024-02-01

88
papers

2,346
citations

218677

26
h-index

254184

43
g-index

113
all docs

113
docs citations

113
times ranked

2140
citing authors

#	ARTICLE	IF	CITATIONS
1	The chemical ecology of the fungus-farming termite symbiosis. <i>Natural Product Reports</i> , 2022, 39, 231-248.	10.3	28
2	A Modular Approach to the Antifungal Sphingofungin Family: Concise Total Synthesis of Sphingofungin A and C. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	7
3	Comparative Genomic and Metabolomic Analysis of <i>Termitomyces</i> Species Provides Insights into the Terpenome of the Fungal Cultivar and the Characteristic Odor of the Fungus Garden of <i>Macrotermes natalensis</i> Termites. <i>MSystems</i> , 2022, 7, e0121421.	3.8	8
4	Synthesis of Functionalized Hydroxy-keto Esters and Evaluation of Their Anti-inflammatory Properties. <i>ChemBioChem</i> , 2022, , .	2.6	2
5	Structural and Functional Analysis of Bacterial Sulfonosphingolipids and Rosette-inducing Factor 2 (RIF) by Mass Spectrometry-guided Isolation and Total Synthesis. <i>Chemistry - A European Journal</i> , 2022, 28, .	3.3	5
6	GNPS-guided Discovery of Madurastatin Siderophores from the Termite-associated <i>Actinomadura</i> sp. RB99**. <i>Chemistry - A European Journal</i> , 2022, 28, .	3.3	12
7	Signalling molecules inducing metamorphosis in marine organisms. <i>Natural Product Reports</i> , 2022, 39, 1833-1855.	10.3	7
8	Recent highlights of biosynthetic studies on marine natural products. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 123-140.	2.8	21
9	GNPS-guided discovery of xylacremolide C and D, evaluation of their putative biosynthetic origin and bioactivity studies of xylacremolide A and B. <i>RSC Advances</i> , 2021, 11, 18748-18756.	3.6	2
10	A community resource for paired genomic and metabolomic data mining. <i>Nature Chemical Biology</i> , 2021, 17, 363-368.	8.0	81
11	Comparative Genomics Reveals Prophylactic and Catabolic Capabilities of <i>Actinobacteria</i> within the Fungus-Farming Termite Symbiosis. <i>MSphere</i> , 2021, 6, .	2.9	17
12	Targeted Isolation of Saalfelduracin B-D from <i>Amycolatopsis saalfeldensis</i> Using LC-MS/MS-Based Molecular Networking. <i>Journal of Natural Products</i> , 2021, 84, 1002-1011.	3.0	6
13	Applications of the Horner-Wadsworth-Emmons Olefination in Modern Natural Product Synthesis. <i>Synthesis</i> , 2021, 53, 2713-2739.	2.3	22
14	The Termite Fungal Cultivar <i>Termitomyces</i> Combines Diverse Enzymes and Oxidative Reactions for Plant Biomass Conversion. <i>MBio</i> , 2021, 12, e0355120.	4.1	16
15	Two Distinct Bacterial Biofilm Components Trigger Metamorphosis in the Colonial Hydrozoan <i>Hydractinia echinata</i> . <i>MBio</i> , 2021, 12, e0040121.	4.1	10
16	Genome reduction and relaxed selection is associated with the transition to symbiosis in the basidiomycete genus <i>Podaxis</i> . <i>IScience</i> , 2021, 24, 102680.	4.1	9
17	Comparative Genomic and Metabolic Analysis of <i>Streptomyces</i> sp. RB110 Morphotypes Illuminates Genomic Rearrangements and Formation of a New 46-Membered Antimicrobial Macrolide. <i>ACS Chemical Biology</i> , 2021, 16, 1482-1492.	3.4	4
18	Revised structural assignment of azalomycins based on genomic and chemical analysis. <i>Organic Chemistry Frontiers</i> , 2021, 8, 4791-4798.	4.5	10

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19	An integrative understanding of the large metabolic shifts induced by antibiotics in critical illness. <i>Gut Microbes</i> , 2021, 13, 1993598.	9.8	10
20	Species- and Caste-Specific Gut Metabolomes in Fungus-Farming Termites. <i>Metabolites</i> , 2021, 11, 839.	2.9	5
21	Stereoselective Construction of (E,Z)-1,3-Dienes and Its Application in Natural Product Synthesis. <i>Advanced Synthesis and Catalysis</i> , 2020, 362, 5532-5575.	4.3	43
22	Polyhalogenation of Isoflavonoids by the Termite-Associated <i>Actinomadura</i> sp. RB99. <i>Journal of Natural Products</i> , 2020, 83, 3102-3110.	3.0	10
23	Immunomodulatory function of antimicrobial peptide EC-Hepcidin1 modulates the induction of inflammatory gene expression in primary cells of Caspian Trout (<i>Salmo trutta caspius</i> Kessler, 1877). <i>Fish and Shellfish Immunology</i> , 2020, 104, 55-61.	3.6	14
24	Targeted Discovery of Tetrapeptides and Cyclic Polyketide-Peptide Hybrids from a Fungal Antagonist of Farming Termites. <i>ChemBioChem</i> , 2020, 21, 2991-2996.	2.6	8
25	Gene Cluster Activation in a Bacterial Symbiont Leads to Halogenated Angucyclic Maduralactomycins and Spirocyclic Actinospirols. <i>Organic Letters</i> , 2020, 22, 2634-2638.	4.6	14
26	Xyloneside A: A New Glycosylated Incisterol Derivative from <i>Xylaria</i> sp. FB. <i>ChemBioChem</i> , 2020, 21, 2253-2258.	2.6	2
27	Modular Solid-Phase Synthesis of Antiprotozoal Barnesin Derivatives. <i>Organic Letters</i> , 2020, 22, 3744-3748.	4.6	3
28	Absolute Configuration and Corrected NMR Assignment of 17-Hydroxycyclooctatin, a Fused 5 ⁸ -Tricyclic Diterpene. <i>Journal of Natural Products</i> , 2020, 83, 354-361.	3.0	21
29	Structure elucidation of the redox cofactor mycofactocin reveals oligo-glycosylation by MftF. <i>Chemical Science</i> , 2020, 11, 5182-5190.	7.4	13
30	<i>Nocardia macrotermitis</i> sp. nov. and <i>Nocardia aurantia</i> sp. nov., isolated from the gut of the fungus-growing termite <i>Macrotermes natalensis</i> . <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2020, 70, 5226-5234.	1.7	16
31	<i>Actinomadura rubteroloni</i> sp. nov. and <i>Actinomadura macrotermitis</i> sp. nov., isolated from the gut of the fungus growing-termite <i>Macrotermes natalensis</i> . <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2020, 70, 5255-5262.	1.7	20
32	<i>Streptomyces smaragdinus</i> sp. nov., isolated from the gut of the fungus growing-termite <i>Macrotermes natalensis</i> . <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2020, 70, 5806-5811.	1.7	15
33	Efomycins K and L From a Termite-Associated <i>Streptomyces</i> sp. M56 and Their Putative Biosynthetic Origin. <i>Frontiers in Microbiology</i> , 2019, 10, 1739.	3.5	23
34	Beauvetetraones C, phomaligadione-derived polyketide dimers from the entomopathogenic fungus, <i>Beauveria bassiana</i> . <i>Organic Chemistry Frontiers</i> , 2019, 6, 162-166.	4.5	9
35	Metabolic Pathway Rerouting in <i>Paraburkholderia rhizoxinica</i> Evolved Long-Overlooked Derivatives of Coenzyme F ₄₂₀ . <i>ACS Chemical Biology</i> , 2019, 14, 2088-2094.	3.4	26
36	Tropolone natural products. <i>Natural Product Reports</i> , 2019, 36, 1137-1155.	10.3	54

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37	Mechanistic characterization of three sesquiterpene synthases from the termite-associated fungus <i>Termitomyces</i> . <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 3348-3355.	2.8	32
38	Disease-free monoculture farming by fungus-growing termites. <i>Scientific Reports</i> , 2019, 9, 8819.	3.3	36
39	Stereoselective synthesis of unnatural (2 <i>S</i> ,3 <i>S</i>)-6-hydroxy-4-sphingenine-containing sphingolipids. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 6964-6969.	2.8	5
40	Stereoselective Cascade Cyclizations with Samarium Diiodide to Tetracyclic Indolines: Precursors of Fluorostrychnines and Brucine. <i>Chemistry - A European Journal</i> , 2019, 25, 8780-8789.	3.3	4
41	Fridamycin A, a Microbial Natural Product, Stimulates Glucose Uptake without Inducing Adipogenesis. <i>Nutrients</i> , 2019, 11, 765.	4.1	17
42	Hybrid Polyketides from a Hydractinia-Associated <i>Cladosporium sphaerospermum</i> SW67 and Their Putative Biosynthetic Origin. <i>Marine Drugs</i> , 2019, 17, 606.	4.6	8
43	Reviewing the taxonomy of <i>Podaxis</i> : Opportunities for understanding extreme fungal lifestyles. <i>Fungal Biology</i> , 2019, 123, 183-187.	2.5	4
44	Spirocyclic cladosporicin A and cladosporiumins I and J from a <i>Hydractinia</i> -associated <i>Cladosporium sphaerospermum</i> SW67. <i>Organic Chemistry Frontiers</i> , 2019, 6, 1084-1093.	4.5	15
45	Ursprung und Funktionen der Sphingolipide. <i>Nachrichten Aus Der Chemie</i> , 2019, 67, 66-70.	0.0	1
46	Natalenamides A-C, Cyclic Tripeptides from the Termite-Associated <i>Actinomadura</i> sp. RB99. <i>Molecules</i> , 2018, 23, 3003.	3.8	17
47	The Inhibitory Effects of Cyclodepsipeptides from the Entomopathogenic Fungus <i>Beauveria bassiana</i> on Myofibroblast Differentiation in A549 Alveolar Epithelial Cells. <i>Molecules</i> , 2018, 23, 2568.	3.8	4
48	Natural Products from Actinobacteria Associated with Fungus-Growing Termites. <i>Antibiotics</i> , 2018, 7, 83.	3.7	61
49	Chemical Identification of Isoflavonoids from a Termite-Associated <i>Streptomyces</i> sp. RB1 and Their Neuroprotective Effects in Murine Hippocampal HT22 Cell Line. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2640.	4.1	17
50	Precursor-Directed Diversification of Cyclic Tetrapeptidic Pseudoxyllallemycins. <i>ChemBioChem</i> , 2018, 19, 2307-2311.	2.6	20
51	Expanding the Rubterolone Family: Intrinsic Reactivity and Directed Diversification of PKS-derived Pyrans. <i>Chemistry - A European Journal</i> , 2018, 24, 11319-11324.	3.3	15
52	Role of Chemical Mediators in Aquatic Interactions across the Prokaryote-Eukaryote Boundary. <i>Journal of Chemical Ecology</i> , 2018, 44, 1008-1021.	1.8	61
53	Frontispiece: Expanding the Rubterolone Family: Intrinsic Reactivity and Directed Diversification of PKS-derived Pyrans. <i>Chemistry - A European Journal</i> , 2018, 24, .	3.3	0
54	Biosynthesis, Synthesis, and Activities of Barnesin A, a NRPS-PKS Hybrid Produced by an Anaerobic Epsilonproteobacterium. <i>ACS Chemical Biology</i> , 2018, 13, 1990-1995.	3.4	20

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55	Wie sich Bakterien schützen. Nachrichten Aus Der Chemie, 2017, 65, 21-25.	0.0	0
56	Macrotermycins Aâ€“D, Glycosylated Macrolactams from a Termite-Associated <i>Amycolatopsis</i> sp. M39. Organic Letters, 2017, 19, 1000-1003.	4.6	115
57	Isolation, Biosynthesis and Chemical Modifications of Rubterolones Aâ€“F: Rare Tropolone Alkaloids from <i>Actinomadura</i> sp. 5â€“2. Chemistry - A European Journal, 2017, 23, 9338-9345.	3.3	39
58	Linear Peptides Are the Major Products of a Biosynthetic Pathway That Encodes for Cyclic Depsipeptides. Organic Letters, 2017, 19, 1772-1775.	4.6	35
59	Total synthesis and functional analysis of microbial signalling molecules. Chemical Society Reviews, 2017, 46, 6330-6344.	38.1	10
60	Natural products and morphogenic activity of β -Proteobacteria associated with the marine hydroid polyp <i>Hydractinia echinata</i> . Bioorganic and Medicinal Chemistry, 2017, 25, 6088-6097.	3.0	15
61	Natural products from microbes associated with insects. Beilstein Journal of Organic Chemistry, 2016, 12, 314-327.	2.2	101
62	Termissoflavones Aâ€“C, Isoflavonoid Glycosides from Termite-Associated <i>Streptomyces</i> sp. RB1. Journal of Natural Products, 2016, 79, 3072-3078.	3.0	36
63	Draft Genome Sequence of <i>Shewanella</i> sp. Strain P1-14-1, a Bacterial Inducer of Settlement and Morphogenesis in Larvae of the Marine Hydroid <i>Hydractinia echinata</i> . Genome Announcements, 2016, 4, .	0.8	4
64	Bacterial lipids activate, synergize, and inhibit a developmental switch in choanoflagellates. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 7894-7899.	7.1	120
65	Pseudoxylallemycins Aâ€“F, Cyclic Tetrapeptides with Rare Allenyl Modifications Isolated from <i>Pseudoxylaria</i> sp. X802: A Competitor of Fungus-Growing Termite Cultivars. Organic Letters, 2016, 18, 3338-3341.	4.6	50
66	Isolation and Synthesis of a Bacterially Produced Inhibitor of Rosette Development in Choanoflagellates. Journal of the American Chemical Society, 2016, 138, 4326-4329.	13.7	31
67	Evolution of a Short Route to Strychnine by Using the Samarium-Diiodide-Induced Cascade Cyclization as a Key Step. Chemistry - A European Journal, 2015, 21, 8305-8305.	3.3	0
68	Genome Sequences of Three <i>Pseudoalteromonas</i> Strains (P1-8, P1-11, and P1-30), Isolated from the Marine Hydroid <i>Hydractinia echinata</i> . Genome Announcements, 2015, 3, .	0.8	4
69	Draft Genome Sequences of Six <i>Pseudoalteromonas</i> Strains, P1-7a, P1-9, P1-13-1a, P1-16-1b, P1-25, and P1-26, Which Induce Larval Settlement and Metamorphosis in <i>Hydractinia echinata</i> . Genome Announcements, 2015, 3, .	0.8	8
70	Strychnine as Target, Samarium Diiodide as Tool: A Personal Story. Chemical Record, 2015, 15, 872-885.	5.8	11
71	Evolution of a Short Route to Strychnine by Using the Samarium-Diiodide-Induced Cascade Cyclization as a Key Step. Chemistry - A European Journal, 2015, 21, 8416-8425.	3.3	29
72	A new antibacterial octaketide and cytotoxic phenylethanoid glycosides from <i>Pogostemon cablin</i> (Blanco) Benth. Bioorganic and Medicinal Chemistry Letters, 2015, 25, 2834-2836.	2.2	24

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73	Naphthalenones and Isocoumarins from a Costa Rican Fungus <i>Xylariaceae</i> sp. CR1546C. <i>Journal of Chemical Research</i> , 2014, 38, 722-725.	1.3	19
74	Bacterial symbionts in agricultural systems provide a strategic source for antibiotic discovery. <i>Journal of Antibiotics</i> , 2014, 67, 53-58.	2.0	77
75	Nalamycin A, an ansamycin from a termite-associated <i>Streptomyces</i> sp.. <i>Chemical Science</i> , 2014, 5, 4333-4338.	7.4	83
76	Synthesis of the Rosette-Inducing Factor RIF-1 and Analogs. <i>Journal of the American Chemical Society</i> , 2014, 136, 10210-10213.	13.7	38
77	Towards the Core Structure of <i>Strychnos</i> Alkaloids Using Samarium Diodide-Induced Reactions of Indole Derivatives. <i>Chemistry - A European Journal</i> , 2013, 19, 17801-17808.	3.3	39
78	Planar Chiral Bis-silanol and Diols as H-Bonding Asymmetric Organocatalysts. <i>European Journal of Organic Chemistry</i> , 2012, 2012, 3373-3376.	2.4	48
79	Samarium diiodide induced ketyl-(het)arene cyclisations towards novel N-heterocycles. <i>Chemical Society Reviews</i> , 2011, 40, 2199.	38.1	132
80	New samarium diiodide-induced cyclizations. <i>Pure and Applied Chemistry</i> , 2011, 83, 507-518.	1.9	28
81	Samarium Diodide Induced Cyclizations of β - and γ -Indolyl Ketones: Reductive Coupling, Intermolecular Trapping, and Subsequent Transformations of Indolines. <i>Chemistry - A European Journal</i> , 2011, 17, 9720-9730.	3.3	28
82	Highly Diastereoselective Samarium Diodide Induced Ketyl Cyclisations of Indole and Pyrrole Derivatives – Scope and Limitations. <i>European Journal of Organic Chemistry</i> , 2010, 2010, 2716-2732.	2.4	48
83	A Short Formal Total Synthesis of Strychnine with a Samarium Diodide Induced Cascade Reaction as the Key Step. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 8021-8025.	13.8	121
84	Various Synthetic Routes to a Gable-Like Bis(porphyrin) Constructed on a 1,10-Phenanthroline Chelate. <i>European Journal of Organic Chemistry</i> , 2009, 2009, 2801-2805.	2.4	10
85	Highly diastereoselective samarium diiodide induced cyclizations of new 3-substituted indole derivatives. <i>Organic and Biomolecular Chemistry</i> , 2009, 7, 4475.	2.8	33
86	Catalytic asymmetric conjugate reduction with ethanol: A more reactive system Pd(II)-iPr-DUPHOS complex with molecular sieves 4A. <i>Journal of Organometallic Chemistry</i> , 2008, 693, 867-873.	1.8	45
87	A Modular Approach to the Antifungal Sphingofungin Family: Concise Total Synthesis of Sphingofungin A and C. <i>Angewandte Chemie</i> , 0, , .	2.0	2
88	Identification of the new prenyltransferase Ubi-297 from marine bacteria and elucidation of its substrate specificity. <i>Beilstein Journal of Organic Chemistry</i> , 0, 18, 722-731.	2.2	0