

List of Publications by Year in descending order

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55
papers

1,884
citations

304743

22
h-index

289244

40
g-index

56
all docs

56
docs citations

56
times ranked

2032
citing authors

#	ARTICLE	IF	CITATIONS
1	New developments in RiPP discovery, enzymology and engineering. <i>Natural Product Reports</i> , 2021, 38, 130-239.	10.3	412
2	Bipartite interactions, antibiotic production and biosynthetic potential of the Arabidopsis leaf microbiome. <i>Nature Microbiology</i> , 2018, 3, 909-919.	13.3	135
3	Automated structure prediction of trans-acyltransferase polyketide synthase products. <i>Nature Chemical Biology</i> , 2019, 15, 813-821.	8.0	94
4	<i>Escherichia coli</i> limits <i>Salmonella Typhimurium</i> infections after diet shifts and fat-mediated microbiota perturbation in mice. <i>Nature Microbiology</i> , 2019, 4, 2164-2174.	13.3	88
5	Natural noncanonical protein splicing yields products with diverse Î²-amino acid residues. <i>Science</i> , 2018, 359, 779-782.	12.6	87
6	A community resource for paired genomic and metabolomic data mining. <i>Nature Chemical Biology</i> , 2021, 17, 363-368.	8.0	81
7	A roadmap for metagenomic enzyme discovery. <i>Natural Product Reports</i> , 2021, 38, 1994-2023.	10.3	76
8	The ABC exporter IrtAB imports and reduces mycobacterial siderophores. <i>Nature</i> , 2020, 580, 413-417.	27.8	63
9	The hidden enzymology of bacterial natural product biosynthesis. <i>Nature Reviews Chemistry</i> , 2019, 3, 404-425.	30.2	62
10	Genome mining- and synthetic biology-enabled production of hypermodified peptides. <i>Nature Chemistry</i> , 2019, 11, 931-939.	13.6	53
11	In plaque-mass spectrometry imaging of a bloom-forming alga during viral infection reveals a metabolic shift towards odd-chain fatty acid lipids. <i>Nature Microbiology</i> , 2019, 4, 527-538.	13.3	52
12	Strategies to access biosynthetic novelty in bacterial genomes for drug discovery. <i>Nature Reviews Drug Discovery</i> , 2022, 21, 359-378.	46.4	45
13	Landornamides: Antiviral Ornithine-Containing Ribosomal Peptides Discovered through Genome Mining. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 11763-11768.	13.8	41
14	Effect of tolytoxin on tunneling nanotube formation and function. <i>Scientific Reports</i> , 2019, 9, 5741.	3.3	36
15	A Polyketide Synthase Component for Oxygen Insertion into Polyketide Backbones. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 11644-11648.	13.8	35
16	Introduction of α -Amino Acids in Minimalistic Peptide Substrates by an <i>S</i> -Adenosyl- α -Methionine Radical Epimerase. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 2246-2250.	13.8	35
17	A Lanthipeptide- κ -Like N-Terminal Leader Region Guides Peptide Epimerization by Radical SAM Epimerases: Implications for RiPP Evolution. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 12330-12333.	13.8	34
18	An Orthogonal D ₂ O-Based Induction System that Provides Insights into α -Amino Acid Pattern Formation by Radical S-Adenosylmethionine Peptide Epimerases. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 762-766.	13.8	34

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19	Cyanobacterial <i>ent</i> -Sterol-Like Natural Products from a Deviated Ubiquinone Pathway. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 4987-4990.	13.8	32
20	Toblerols: Cyclopropanol-Containing Polyketide Modulators of Antibiosis in <i>Methylobacteria</i> . <i>Angewandte Chemie - International Edition</i> , 2018, 57, 977-981.	13.8	30
21	Ribosomally derived lipopeptides containing distinct fatty acyl moieties. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	7.1	30
22	Genome-Based Identification of a Plant-Associated Marine Bacterium as a Rich Natural Product Source. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 14519-14523.	13.8	29
23	A monodomain class II terpene cyclase assembles complex isoprenoid scaffolds. <i>Nature Chemistry</i> , 2020, 12, 968-972.	13.6	24
24	Synergism of anisotropic and computational NMR methods reveals the likely configuration of phormidolide A. <i>Chemical Communications</i> , 2020, 56, 7565-7568.	4.1	20
25	Genome Mining of Oxidation Modules in <i>trans</i> -Acyltransferase Polyketide Synthases Reveals a Culturable Source for Lobatamides. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 7761-7765.	13.8	19
26	Modular Halogenation, Hydroxylation, and Acylation by a Remarkably Versatile Polyketide Synthase. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	17
27	Aranazoles: Extensively Chlorinated Nonribosomal Peptide-Polyketide Hybrids from the Cyanobacterium <i>Fischerella</i> sp. PCC 9339. <i>Organic Letters</i> , 2018, 20, 5238-5241.	4.6	16
28	Opening up the Single-Cell Toolbox for Microbial Natural Products Research. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 18412-18428.	13.8	16
29	Enzyme from an Uncultivated Sponge Bacterium Catalyzes S-Methylation in a Ribosomal Peptide. <i>ChemBioChem</i> , 2017, 18, 444-450.	2.6	15
30	Toblerols: Cyclopropanol-Containing Polyketide Modulators of Antibiosis in <i>Methylobacteria</i> . <i>Angewandte Chemie</i> , 2018, 130, 989-993.	2.0	15
31	Enzymatic spiroketal formation via oxidative rearrangement of pentangular polyketides. <i>Nature Communications</i> , 2021, 12, 1431.	12.8	15
32	A Polyketide Synthase Component for Oxygen Insertion into Polyketide Backbones. <i>Angewandte Chemie</i> , 2018, 130, 11818-11822.	2.0	12
33	Investigations into PoyH, a promiscuous protease from polytheonamide biosynthesis. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2019, 46, 551-563.	3.0	12
34	Posttranslationally Acting Arginases Provide a Ribosomal Route to Non-proteinogenic Ornithine Residues in Diverse Peptide Sequences. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 21442-21447.	13.8	12
35	Aquimarins, Peptide Antibiotics with Amino-Modified C-Termini from a Sponge-Derived <i>Aquimarina</i> sp. Bacterium. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	12
36	Promiscuous Installation of α -Amino Acids in Gene-Encoded Peptides. <i>ACS Synthetic Biology</i> , 2021, 10, 236-242.	3.8	10

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37	In Vivo Production of Diverse Î²â€Amino Acidâ€Containing Proteins. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	10
38	A Lanthipeptideâ€Like Nâ€Terminal Leader Region Guides Peptide Epimerization by Radical SAM Epimerases: Implications for RiPP Evolution. <i>Angewandte Chemie</i> , 2016, 128, 12518-12521.	2.0	9
39	An Orthogonal D₂Oâ€Based Induction System that Provides Insights into <sc>d</sc>â€Amino Acid Pattern Formation by Radical Sâ€Adenosylmethionine Peptide Epimerases. <i>Angewandte Chemie</i> , 2017, 129, 780-784.	2.0	9
40	Introduction of <sc>d</sc>â€Amino Acids in Minimalistic Peptide Substrates by an <i>S</i>â€Adenosylâ€l</sc>â€Methionine Radical Epimerase. <i>Angewandte Chemie</i> , 2019, 131, 2268-2272.	2.0	9
41	Genomeâ€Based Identification of a Plantâ€Associated Marine Bacterium as a Rich Natural Product Source. <i>Angewandte Chemie</i> , 2018, 130, 14727-14731.	2.0	8
42	Characterization of an Orphan Typeâ€III Polyketide Synthase Conserved in Uncultivated â€Entotheonellaâ€Sponge Symbionts. <i>ChemBioChem</i> , 2020, 21, 564-571.	2.6	8
43	A Desaturaseâ€Like Enzyme Catalyzes Oxazole Formation in <i>Pseudomonas</i> Indolyloxazole Alkaloids. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 8781-8785.	13.8	8
44	Landornamides: Antiviral Ornithineâ€Containing Ribosomal Peptides Discovered through Genome Mining. <i>Angewandte Chemie</i> , 2020, 132, 11861-11866.	2.0	6
45	Cyanobacterial <i>ent</i>â€Sterolâ€Like Natural Products from a Deviated Ubiquinone Pathway. <i>Angewandte Chemie</i> , 2017, 129, 5069-5072.	2.0	4
46	Structure and mechanism for iterative amide <i>N</i>-methylation in the biosynthesis of channel-forming peptide cytotoxins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2116578119.	7.1	4
47	Aquimarins, Peptide Antibiotics with Aminoâ€Modified Câ€Termini from a Spongeâ€Derived <i>Aquimarina</i> sp. Bacterium. <i>Angewandte Chemie</i> , 2022, 134, .	2.0	3
48	A Desaturaseâ€Like Enzyme Catalyzes Oxazole Formation in <i>Pseudomonas</i> Indolyloxazole Alkaloids. <i>Angewandte Chemie</i> , 2021, 133, 8863-8867.	2.0	2
49	Modular Halogenation, Î±â€Hydroxylation, and Acylation by a Remarkably Versatile Polyketide Synthase. <i>Angewandte Chemie</i> , 0, , .	2.0	2
50	Innentitelbild: Genome-Based Identification of a Plant-Associated Marine Bacterium as a Rich Natural Product Source (<i>Angew. Chem.</i> 44/2018). <i>Angewandte Chemie</i> , 2018, 130, 14490-14490.	2.0	1
51	Posttranslationally Acting Arginases Provide a Ribosomal Route to Nonâ€proteinogenic Ornithine Residues in Diverse Peptide Sequences. <i>Angewandte Chemie</i> , 2020, 132, 21626-21631.	2.0	1
52	In Vivo Production of Diverse Î²â€Amino Acidâ€Containing Proteins. <i>Angewandte Chemie</i> , 2022, 134, .	2.0	1
53	Genome Mining of Oxidation Modules in trans â€Acyltransferase Polyketide Synthases Reveals a Culturable Source for Lobatamides. <i>Angewandte Chemie</i> , 2020, 132, 7835-7839.	2.0	0
54	Anwendungen von Einzelzellmethoden in der mikrobiellen Naturstoffforschung. <i>Angewandte Chemie</i> , 2021, 133, 18560-18577.	2.0	0

#	ARTICLE	IF	CITATIONS
55	Computational studies on the sterol-like cyclization of a monodomain class II terpene cyclase. Organic and Biomolecular Chemistry, 2021, 19, 10647-10651.	2.8	0