

Roderich D SÃ¼ssmuth

List of Publications by Year in descending order

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250
papers

16,969
citations

16451

64
h-index

19749

117
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276
all docs

276
docs citations

276
times ranked

12991
citing authors

#	ARTICLE	IF	CITATIONS
1	Ribosomally synthesized and post-translationally modified peptide natural products: overview and recommendations for a universal nomenclature. <i>Natural Product Reports</i> , 2013, 30, 108-160.	10.3	1,692
2	Minimum Information about a Biosynthetic Gene cluster. <i>Nature Chemical Biology</i> , 2015, 11, 625-631.	8.0	715
3	Comparative analysis of the complete genome sequence of the plant growth-promoting bacterium <i>Bacillus amyloliquefaciens</i> FZB42. <i>Nature Biotechnology</i> , 2007, 25, 1007-1014.	17.5	703
4	Nonribosomal Peptide Synthesis—Principles and Prospects. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 3770-3821.	13.8	633
5	Characterization of the N-Acetylglucosaminyltransferase Activity Involved in the Biosynthesis of the <i>Staphylococcus epidermidis</i> Polysaccharide Intercellular Adhesin. <i>Journal of Biological Chemistry</i> , 1998, 273, 18586-18593.	3.4	415
6	New developments in RiPP discovery, enzymology and engineering. <i>Natural Product Reports</i> , 2021, 38, 130-239.	10.3	412
7	Isolation, Structure Elucidation, and Synthesis of a Macrophage Stimulatory Lipopeptide from <i>Mycoplasma fermentans</i> Acting at Picomolar Concentration. <i>Journal of Experimental Medicine</i> , 1997, 185, 1951-1958.	8.5	406
8	Genome analysis of <i>Bacillus amyloliquefaciens</i> FZB42 reveals its potential for biocontrol of plant pathogens. <i>Journal of Biotechnology</i> , 2009, 140, 27-37.	3.8	372
9	Structural and Functional Characterization of Three Polyketide Synthase Gene Clusters in <i>Bacillus amyloliquefaciens</i> FZB 42. <i>Journal of Bacteriology</i> , 2006, 188, 4024-4036.	2.2	325
10	Abyssomicins, Inhibitors of the para-Aminobenzoic Acid Pathway Produced by the Marine <i>Verrucosipora</i> Strain AB-18-032. <i>Journal of Antibiotics</i> , 2004, 57, 271-279.	2.0	272
11	Abyssomicin—A Polycyclic Antibiotic from a Marine <i>Verrucosipora</i> Strain as an Inhibitor of the para-Aminobenzoic Acid/Tetrahydrofolate Biosynthesis Pathway. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 2574-2576.	13.8	270
12	Labyrinthopeptins: A New Class of Carbacyclic Lantibiotics. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 1151-1154.	13.8	193
13	Plantazolicin, a Novel Microcin B17/Streptolysin S-Like Natural Product from <i>Bacillus amyloliquefaciens</i> FZB42. <i>Journal of Bacteriology</i> , 2011, 193, 215-224.	2.2	174
14	Macrolactin is the Polyketide Biosynthesis Product of the pks2 Cluster of <i>Bacillus amyloliquefaciens</i> FZB42. <i>Journal of Natural Products</i> , 2007, 70, 1417-1423.	3.0	173
15	A Regioselective Tryptophan 5-Halogenase Is Involved in Pyrroindomycin Biosynthesis in <i>Streptomyces rugosporus</i> LL-42D005. <i>Chemistry and Biology</i> , 2005, 12, 445-452.	6.0	167
16	Caboxamycin, a new antibiotic of the benzoxazole family produced by the deep-sea strain <i>Streptomyces</i> sp. NTK 937. <i>Journal of Antibiotics</i> , 2009, 62, 99-104.	2.0	165
17	The structure of salmochelins: C-glycosylated enterobactins of <i>Salmonella enterica</i> . <i>BioMetals</i> , 2004, 17, 471-481.	4.1	163
18	Inhibition of virulence factor expression in <i>Staphylococcus aureus</i> by the <i>Staphylococcus epidermidis</i> agr pheromone and derivatives. <i>FEBS Letters</i> , 1999, 450, 257-262.	2.8	155

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19	Proximicin A, B and C, Novel Aminofuran Antibiotic and Anticancer Compounds Isolated from Marine Strains of the Actinomycete <i>Verrucosipora</i> . <i>Journal of Antibiotics</i> , 2008, 61, 158-163.	2.0	140
20	Structure of the pheromone peptide of the <i>Staphylococcus epidermidis</i> agr system. <i>FEBS Letters</i> , 1998, 424, 89-94.	2.8	139
21	The Biosynthesis of Vancomycin-Type Glycopeptide Antibiotics-The Order of the Cyclization Steps. <i>Angewandte Chemie - International Edition</i> , 2001, 40, 4688-4691.	13.8	134
22	Crystal Structure of OxyB, a Cytochrome P450 Implicated in an Oxidative Phenol Coupling Reaction during Vancomycin Biosynthesis. <i>Journal of Biological Chemistry</i> , 2002, 277, 47476-47485.	3.4	132
23	Arylomycins A and B, New Biaryl-bridged Lipopeptide Antibiotics Produced by <i>Streptomyces</i> sp. Tue 6075. I. Taxonomy, Fermentation, Isolation and Biological Activities.. <i>Journal of Antibiotics</i> , 2002, 55, 565-570.	2.0	128
24	The Biosynthesis of Vancomycin-Type Glycopeptide AntibioticsâNew Insights into the Cyclization Steps. <i>Angewandte Chemie - International Edition</i> , 2001, 40, 1693-1696.	13.8	126
25	The gyrase inhibitor albicidin consists of p-aminobenzoic acids and cyanoalanine. <i>Nature Chemical Biology</i> , 2015, 11, 195-197.	8.0	126
26	Heterologous Expression, Biosynthesis, and Mutagenesis of Type II Lantibiotics from <i>Bacillus licheniformis</i> in <i>Escherichia coli</i> . <i>Chemistry and Biology</i> , 2011, 18, 90-100.	6.0	124
27	Hantzsch pyrrole synthesis on solid support. <i>Bioorganic and Medicinal Chemistry Letters</i> , 1998, 8, 2381-2384.	2.2	123
28	Recent advances in the field of bioactive tetronates. <i>Natural Product Reports</i> , 2014, 31, 1554-1584.	10.3	123
29	The Lantibiotic Peptide Labyrinthopeptin A1 Demonstrates Broad Anti-HIV and Anti-HSV Activity with Potential for Microbicidal Applications. <i>PLoS ONE</i> , 2013, 8, e64010.	2.5	123
30	Mutational biosynthesisâa tool for the generation of structural diversity in the biosynthesis of antibiotics. <i>Applied Microbiology and Biotechnology</i> , 2005, 68, 141-150.	3.6	117
31	Biosynthesis of the orthosomycin antibiotic avilamycin A: deductions from the molecular analysis of the avi biosynthetic gene cluster of <i>Streptomyces viridochromogenes</i> TÃ¼57 and production of new antibiotics. <i>Chemistry and Biology</i> , 2001, 8, 569-581.	6.0	115
32	Bioactive Peptide Natural Products as Lead Structures for Medicinal Use. <i>Accounts of Chemical Research</i> , 2017, 50, 1566-1576.	15.6	111
33	Biosynthetic Gene Cluster of the Non-ribosomally Synthesized Cyclodepsipeptide Skyllamycin: Deciphering Unprecedented Ways of Unusual Hydroxylation Reactions. <i>Journal of the American Chemical Society</i> , 2011, 133, 6194-6205.	13.7	109
34	Glycopeptide Biosynthesis in <i>Amycolatopsis mediterranei</i> DSM5908. <i>Chemistry and Biology</i> , 2002, 9, 225-235.	6.0	108
35	The Biosynthesis of Vancomycin-Type Glycopeptide Antibiotics-A Model for Oxidative Side-Chain Cross-Linking by Oxygenases Coupled to the Action of Peptide Synthetases. <i>ChemBioChem</i> , 2005, 6, 267-272.	2.6	108
36	Abyssomicins G and H and atrop-Abyssomicin C from the Marine <i>Verrucosipora</i> Strain AB-18-032. <i>Journal of Antibiotics</i> , 2007, 60, 391-394.	2.0	102

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37	In Vitro Biosynthesis of the Prepeptide of Type III Lantibiotic Labyrinthopeptin A2 Including Formation of a C=C Bond as a Posttranslational Modification. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 2436-2440.	13.8	101
38	Mutasythesis of Glycopeptide Antibiotics: Variations of Vancomycin's AB-Ring Amino Acid 3,5-Dihydroxyphenylglycine. <i>Journal of the American Chemical Society</i> , 2004, 126, 5942-5943.	13.7	99
39	Biochemical Dissection of the Natural Diversification of Microcystin Provides Lessons for Synthetic Biology of NRPS. <i>Cell Chemical Biology</i> , 2016, 23, 462-471.	5.2	99
40	The anti-staphylococcal lipolanthines are ribosomally synthesized lipopeptides. <i>Nature Chemical Biology</i> , 2018, 14, 652-654.	8.0	95
41	Plantazolicin A and B: Structure Elucidation of Ribosomally Synthesized Thiazole/Oxazole Peptides from <i>Bacillus amyloliquefaciens</i> FZB42. <i>Organic Letters</i> , 2011, 13, 2996-2999.	4.6	93
42	A Genomic Screening Approach to the Structure-Guided Identification of Drug Candidates from Natural Sources. <i>ChemBioChem</i> , 2007, 8, 757-766.	2.6	92
43	Biosynthesis of Chloro- ¹² -Hydroxytyrosine, a Nonproteinogenic Amino Acid of the Peptidic Backbone of Glycopeptide Antibiotics. <i>Journal of Bacteriology</i> , 2004, 186, 6093-6100.	2.2	91
44	Nichtribosomale Peptidsynthese – Prinzipien und Perspektiven. <i>Angewandte Chemie</i> , 2017, 129, 3824-3878.	2.0	91
45	The Final Steps of Bacillaene Biosynthesis in <i>Bacillus amyloliquefaciens</i> FZB42: Direct Evidence for ¹² , ¹³ -Dehydration by a trans- <i>Acyltransferase</i> Polyketide Synthase. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 1465-1467.	13.8	90
46	Structural aspects of phenylglycines, their biosynthesis and occurrence in peptide natural products. <i>Natural Product Reports</i> , 2015, 32, 1207-1235.	10.3	90
47	Venom Proteomics of Indonesian King Cobra, <i>Ophiophagus hannah</i> : Integrating Top-Down and Bottom-Up Approaches. <i>Journal of Proteome Research</i> , 2015, 14, 2539-2556.	3.7	90
48	Action of atropine, Abysomicin C as an Inhibitor of 4-Amino-4-deoxychorismate Synthase PabB. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 8284-8286.	13.8	87
49	Fluorobalhimycin – A New Chapter in Glycopeptide Antibiotic Research. <i>Angewandte Chemie - International Edition</i> , 2002, 41, 3383-3385.	13.8	84
50	Fungal cyclooligomerdepsipeptides: From classical biochemistry to combinatorial biosynthesis. <i>Natural Product Reports</i> , 2011, 28, 99-124.	10.3	84
51	Proximicins A, B, and C – Antitumor Furan Analogues of Netropsin from the Marine Actinomycete <i>Verrucosipora</i> Induce Upregulation of p53 and the Cyclin Kinase Inhibitor p21. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 3258-3261.	13.8	81
52	The medical threat of mamba envenoming in sub-Saharan Africa revealed by genus-wide analysis of venom composition, toxicity and antivenomics profiling of available antivenoms. <i>Journal of Proteomics</i> , 2018, 172, 173-189.	2.4	80
53	A Self-Sacrificing N-Methyltransferase Is the Precursor of the Fungal Natural Product Omphalotin. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 9994-9997.	13.8	79
54	New Advances in the Biosynthesis of Glycopeptide Antibiotics of the Vancomycin Type from <i>Amycolatopsis mediterranei</i> . <i>Angewandte Chemie - International Edition</i> , 1999, 38, 1976-1979.	13.8	78

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55	Characterization of New Class III Lantibioticsâ€”Erythraeptin, Avermipeptin and Griseopeptin from <i>Saccharopolyspora erythraea</i> , <i>Streptomyces avermitilis</i> and <i>Streptomyces griseus</i> Demonstrates Stepwise N-Terminal Leader Processing. <i>ChemBioChem</i> , 2012, 13, 1174-1183.	2.6	78
56	Congeneric Lantibiotics from Ribosomal In Vivo Peptide Synthesis with Noncanonical Amino Acids. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 415-418.	13.8	78
57	Cytochrome P450 _{sky} Interacts Directly with the Nonribosomal Peptide Synthetase to Generate Three Amino Acid Precursors in Skyllamycin Biosynthesis. <i>ACS Chemical Biology</i> , 2013, 8, 2586-2596.	3.4	76
58	Cyanopeptolin 963A, a Chymotrypsin Inhibitor of <i>Microcystis</i> PCC 7806. <i>Journal of Natural Products</i> , 2004, 67, 1755-1757.	3.0	75
59	The Structure of a Transient Complex of a Nonribosomal Peptide Synthetase and a Cytochromeâ€¦P450 Monooxygenase. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 8518-8522.	13.8	75
60	The Biosynthesis of Teicoplanin-Type Glycopeptide Antibiotics: Assignment of P450 Mono-Oxygenases to Side Chain Cyclizations of Glycopeptide A47934. <i>Chemistry and Biology</i> , 2007, 14, 1078-1089.	6.0	74
61	Genetic analysis of the balhimycin (vancomycin-type) oxygenase genes. <i>Journal of Biotechnology</i> , 2006, 124, 640-653.	3.8	73
62	Oscillapeptin J, a New Grazer Toxin of the Freshwater Cyanobacterium <i>Planktothrix rubescens</i> . <i>Journal of Natural Products</i> , 2003, 66, 431-434.	3.0	72
63	Thioamides in Nature: In Search of Secondary Metabolites in Anaerobic Microorganisms. <i>ChemBioChem</i> , 2010, 11, 1335-1337.	2.6	72
64	Atacamycins Aâ€”C, 22-membered antitumor macrolactones produced by <i>Streptomyces</i> sp. C38. <i>Journal of Antibiotics</i> , 2011, 64, 775-780.	2.0	68
65	Paenilamicin: Structure and Biosynthesis of a Hybrid Nonribosomal Peptide/Polyketide Antibiotic from the Bee Pathogen <i>Paenibacillus larvae</i> . <i>Angewandte Chemie - International Edition</i> , 2014, 53, 10821-10825.	13.8	67
66	Abyssomicin Biosynthesis: Formation of an Unusual Polyketide, Antibioticâ€”Feeding Studies and Genetic Analysis. <i>ChemBioChem</i> , 2011, 12, 1401-1410.	2.6	66
67	Characterization of the Biosynthetic Genes for 10,11-Dehydrocurvularin, a Heat Shock Response-Modulating Anticancer Fungal Polyketide from <i>Aspergillus terreus</i> . <i>Applied and Environmental Microbiology</i> , 2013, 79, 2038-2047.	3.1	64
68	Nataxazole, a New Benzoxazole Derivative with Antitumor Activity Produced by <i>Streptomyces</i> sp. TÃ¼ 6176â€. <i>Journal of Antibiotics</i> , 2008, 61, 683-686.	2.0	61
69	The biosynthesis of glycopeptide antibiotics? a model for complex, non-ribosomally synthesized, peptidic secondary metabolites. <i>Applied Microbiology and Biotechnology</i> , 2004, 63, 344-350.	3.6	60
70	In Vitro Synthesis of New Enniatins: Probing the Î±-D-Hydroxy Carboxylic Acid Binding Pocket of the Multienzyme Enniatin Synthetase. <i>ChemBioChem</i> , 2007, 8, 1767-1770.	2.6	60
71	Insecticidal activity of 12-epi-hapalindole J isonitrile. <i>Phytochemistry</i> , 2007, 68, 2493-2497.	2.9	60
72	Leader Peptide-Directed Processing of Labyrinthopeptin A2 Precursor Peptide by the Modifying Enzyme LabKC. <i>Biochemistry</i> , 2011, 50, 8362-8373.	2.5	60

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73	Top-down venomics of the East African green mamba, <i>Dendroaspis angusticeps</i> , and the black mamba, <i>Dendroaspis polylepis</i> , highlight the complexity of their toxin arsenals. <i>Journal of Proteomics</i> , 2016, 146, 148-164.	2.4	60
74	Impact of mass spectrometry on combinatorial chemistry. <i>Biomedical Applications</i> , 1999, 725, 49-65.	1.7	59
75	Bromobalhimycin and Chlorobromobalhimycins-Illuminating the Potential of Halogenases in Glycopeptide Antibiotic Biosyntheses. <i>ChemBioChem</i> , 2003, 4, 658-662.	2.6	58
76	Total Synthesis of Albicidin: A Lead Structure from <i>Xanthomonas albilineans</i> for Potent Antibacterial Gyrase Inhibitors. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 1969-1973.	13.8	55
77	<i>Bacillus subtilis</i> as heterologous host for the secretory production of the non-ribosomal cyclodepsipeptide enniatin. <i>Applied Microbiology and Biotechnology</i> , 2015, 99, 681-691.	3.6	55
78	Leader Peptide-Free In-Vitro Reconstitution of Microviridin Biosynthesis Enables Design of Synthetic Protease-Targeted Libraries. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 9398-9401.	13.8	55
79	Self-Assembled Monolayer Epitope Bridges for Molecular Imprinting and Cancer Biomarker Sensing. <i>Analytical Chemistry</i> , 2020, 92, 4798-4806.	6.5	54
80	Reconstituted Biosynthesis of the Nonribosomal Macrolactone Antibiotic Valinomycin in <i>Escherichia coli</i> . <i>ACS Synthetic Biology</i> , 2014, 3, 432-438.	3.8	53
81	Mouse tissue distribution and persistence of the food-born fusariotoxins Enniatin B and Beauvericin. <i>Toxicology Letters</i> , 2016, 247, 35-44.	0.8	51
82	Module Extension of a Non-Ribosomal Peptide Synthetase of the Glycopeptide Antibiotic Balhimycin Produced by <i>Amycolatopsis balhimycina</i> . <i>ChemBioChem</i> , 2008, 9, 1195-1200.	2.6	49
83	Production of the Catechol Type Siderophore Bacillibactin by the Honey Bee Pathogen <i>Paenibacillus</i> larvae. <i>PLoS ONE</i> , 2014, 9, e108272.	2.5	49
84	Recognition of protein biomarkers using epitope-mediated molecularly imprinted films: Histidine or cysteine modified epitopes?. <i>Biosensors and Bioelectronics</i> , 2019, 123, 260-268.	10.1	49
85	Total Synthesis of the Antiviral Peptide Antibiotic Feglymycin. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 1856-1861.	13.8	48
86	Application of a Rapid and Integrated Analysis System (RIAS) as a High-Throughput Processing Tool for In Vitro ADME Samples by Liquid Chromatography/Tandem Mass Spectrometry. <i>Journal of Biomolecular Screening</i> , 2011, 16, 370-377.	2.6	48
87	Biological effects of paenilamicin, a secondary metabolite antibiotic produced by the honey bee pathogenic bacterium <i>Paenibacillus</i> larvae. <i>MicrobiologyOpen</i> , 2014, 3, 642-656.	3.0	48
88	Halogenation of glycopeptide antibiotics occurs at the amino acid level during non-ribosomal peptide synthesis. <i>Chemical Science</i> , 2017, 8, 5992-6004.	7.4	48
89	Synthesis and Structural Characterization of Hexacoordinate Silicon, Germanium, and Titanium Complexes of the <i>E. coli</i> Siderophore Enterobactin. <i>Chemistry - A European Journal</i> , 2013, 19, 10536-10542.	3.3	47
90	Understanding the crucial interactions between Cytochrome P450s and non-ribosomal peptide synthetases during glycopeptide antibiotic biosynthesis. <i>Current Opinion in Structural Biology</i> , 2016, 41, 46-53.	5.7	47

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91	Matters of class: coming of age of class III and IV lanthipeptides. RSC Chemical Biology, 2020, 1, 110-127.	4.1	47
92	Involvement and Unusual Substrate Specificity of a Prolyl Oligopeptidase in Class III Lanthipeptide Maturation. Journal of the American Chemical Society, 2013, 135, 7426-7429.	13.7	45
93	Phylogenomic Analysis of the Microviridin Biosynthetic Pathway Coupled with Targeted Chemo-Enzymatic Synthesis Yields Potent Protease Inhibitors. ACS Chemical Biology, 2017, 12, 1538-1546.	3.4	45
94	Vancomycin Resistance: Small Molecule Approaches Targeting the Bacterial Cell Wall Biosynthesis. ChemBioChem, 2002, 3, 295-298.	2.6	43
95	A Mechanistic Study of Enantiomeric Separation with Vancomycin and Balhimycin as Chiral Selectors by Capillary Electrophoresis. Dimerization and Enantioselectivity. Analytical Chemistry, 2004, 76, 2387-2392.	6.5	43
96	Curvopeptin: A New Lanthionine-Containing Class III Lantibiotic and its Co-substrate Promiscuous Synthetase. ChemBioChem, 2012, 13, 2065-2071.	2.6	43
97	Streptocollin, a Type-IV Lanthipeptide Produced by <i>Streptomyces collinus</i> 365. ChemBioChem, 2015, 16, 2615-2623.	2.6	43
98	Multiple Attack on Bacteria by the New Antibiotic Teixobactin. Angewandte Chemie - International Edition, 2015, 54, 6684-6686.	13.8	43
99	An Amphipathic Alpha-Helix Guides Maturation of the Ribosomally-Synthesized Lipolanthines. Angewandte Chemie - International Edition, 2020, 59, 16777-16785.	13.8	43
100	Deuterium Labeled Peptides Give Insights into the Directionality of Class III Lantibiotic Synthetase LabKC. Journal of the American Chemical Society, 2012, 134, 9922-9925.	13.7	42
101	Site-Directed and Global Incorporation of Orthogonal and Isostructural Noncanonical Amino Acids into the Ribosomal Lasso Peptide Capistrucin. ChemBioChem, 2015, 16, 503-509.	2.6	42
102	Solenodon genome reveals convergent evolution of venom in eulipotyphlan mammals. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 25745-25755.	7.1	42
103	Mass spectrometry guided venom profiling and bioactivity screening of the Anatolian Meadow Viper, <i>Vipera anatolica</i> . Toxicon, 2015, 107, 163-174.	1.6	41
104	Pregnane X receptor mediates steatotic effects of propiconazole and tebuconazole in human liver cell lines. Archives of Toxicology, 2019, 93, 1311-1322.	4.2	41
105	Streptofactin, a novel biosurfactant with aerial mycelium inducing activity from <i>Streptomyces tendae</i> T-901/8c. FEMS Microbiology Letters, 1998, 163, 165-171.	1.8	40
106	In vitro Synthesis of New Cyclodepsipeptides of the PF1022-Type: Probing the D-Hydroxy Acid Tolerance of PF1022 Synthetase. ChemBioChem, 2009, 10, 323-328.	2.6	40
107	An integrated platform for fully automated high-throughput LC-MS/MS analysis of in vitro metabolic stability assay samples. International Journal of Mass Spectrometry, 2010, 296, 1-9.	1.5	40
108	Nocardichelins A and B, Siderophores from <i>Nocardia</i> Strain Acta 3026#. Journal of Natural Products, 2007, 70, 932-935.	3.0	39

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109	Enhanced production of the nonribosomal peptide antibiotic valinomycin in <i>Escherichia coli</i> through small-scale high cell density fed-batch cultivation. <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 591-601.	3.6	38
110	Fluostatins C¹/4E, Novel Members of the Fluostatin Family Produced by <i>Streptomyces</i> Strain Acta 1383. <i>Journal of Antibiotics</i> , 2006, 59, 293-297.	2.0	37
111	Planktocylin, a Cyclooctapeptide Protease Inhibitor Produced by the Freshwater Cyanobacterium <i>Planktothrix rubescens</i> . <i>Journal of Natural Products</i> , 2007, 70, 1611-1615.	3.0	37
112	Elaiomycins B and C: Alkylhydrazide Antibiotics from <i>Streptomyces</i> sp. BK 190. <i>Organic Letters</i> , 2011, 13, 1052-1055.	4.6	37
113	In vitro chemoenzymatic and in vivo biocatalytic syntheses of new beauvericin analogues. <i>Chemical Communications</i> , 2012, 48, 5674.	4.1	37
114	Elucidation of sevadicin, a novel non-ribosomal peptide secondary metabolite produced by the honey bee pathogenic bacterium <i>Paenibacillus larvae</i> . <i>Environmental Microbiology</i> , 2014, 16, 1297-1309.	3.8	37
115	Albidopyrone, a new Î±-pyrone-containing metabolite from marine-derived <i>Streptomyces</i> sp. NTK 227. <i>Journal of Antibiotics</i> , 2009, 62, 75-79.	2.0	36
116	Involvement of secondary metabolites in the pathogenesis of the American foulbrood of honey bees caused by <i>Paenibacillus larvae</i> . <i>Natural Product Reports</i> , 2015, 32, 765-778.	10.3	36
117	Harnessing fungal nonribosomal cyclodepsipeptide synthetases for mechanistic insights and tailored engineering. <i>Chemical Science</i> , 2017, 8, 7834-7843.	7.4	36
118	Integrated Approaches Toward High-Affinity Artificial Protein Binders Obtained via Computationally Simulated Epitopes for Protein Recognition. <i>Advanced Functional Materials</i> , 2019, 29, 1807332.	14.9	36
119	Old World Vipers: A Review about Snake Venom Proteomics of Viperinae and Their Variations. <i>Toxins</i> , 2021, 13, 427.	3.4	36
120	Total Synthesis of Proximicin A¹/4C and Synthesis of New Furan-Based DNA Binding Agents. <i>Organic Letters</i> , 2009, 11, 2804-2807.	4.6	35
121	Laxitextines A and B, Cyathane Xylosides from the Tropical Fungus <i>Laxitextum incrustatum</i> . <i>Journal of Natural Products</i> , 2016, 79, 894-898.	3.0	35
122	Heterologous Expression and Engineering Studies of Labyrinthopeptins, Class III Lantibiotics from <i>Actinomadura namibiensis</i> . <i>Chemistry and Biology</i> , 2013, 20, 111-122.	6.0	34
123	Reprogramming the Biosynthesis of Cyclodepsipeptide Synthetases to Obtain New Enniatins and Beauvericins. <i>ChemBioChem</i> , 2016, 17, 283-287.	2.6	34
124	Dissecting Reactions of Nonlinear Precursor Peptide Processing of the Class III Lanthipeptide Curvopeptin. <i>Journal of the American Chemical Society</i> , 2014, 136, 15222-15228.	13.7	33
125	Scale-up bioprocess development for production of the antibiotic valinomycin in <i>Escherichia coli</i> based on consistent fed-batch cultivations. <i>Microbial Cell Factories</i> , 2015, 14, 83.	4.0	33
126	Unexpected Effects of Propiconazole, Tebuconazole, and Their Mixture on the Receptors CAR and PXR in Human Liver Cells. <i>Toxicological Sciences</i> , 2018, 163, 170-181.	3.1	33

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127	A Convergent Total Synthesis of the Death Cap Toxin Î±-Amanitin. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 5500-5504.	13.8	33
128	Structure Elucidation of Auxofuran, a Metabolite Involved in Stimulating Growth of Fly Agaric, Produced by the Mycorrhiza Helper Bacterium <i>Streptomyces</i> AcH 505. <i>Journal of Antibiotics</i> , 2006, 59, 801-803.	2.0	32
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