

# Rolf MÃ¼ller

## List of Publications by Year in descending order

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479  
papers

29,021  
citations

9264

74  
h-index

9861

141  
g-index

500  
all docs

500  
docs citations

500  
times ranked

26037  
citing authors

#	ARTICLE	IF	CITATIONS
1	PLSDB: advancing a comprehensive database of bacterial plasmids. <i>Nucleic Acids Research</i> , 2022, 50, D273-D278.	14.5	82
2	An Outer Membrane Vesicle-Based Permeation Assay (OMPA) for Assessing Bacterial Bioavailability. <i>Advanced Healthcare Materials</i> , 2022, 11, e2101180.	7.6	3
3	Biotechnological production optimization of argyrins – a potent immunomodulatory natural product class. <i>Microbial Biotechnology</i> , 2022, 15, 353-369.	4.2	5
4	Novel 2,4-disubstituted quinazoline analogs as antibacterial agents with improved cytotoxicity profile: Modification of the benzenoid part. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2022, 59, 128531.	2.2	2
5	Sandacrabins – Structurally Unique Antiviral RNA Polymerase Inhibitors from a Rare Myxobacterium**. <i>Chemistry - A European Journal</i> , 2022, 28, e202104484.	3.3	10
6	Myxopyronin-B inhibits growth of a Fidaxomicin-resistant <i>Clostridioides difficile</i> isolate and interferes with toxin synthesis. <i>Gut Pathogens</i> , 2022, 14, 4.	3.4	5
7	First Small-Molecule Inhibitors Targeting the RNA-Binding Protein IGF2BP2/IMP2 for Cancer Therapy. <i>ACS Chemical Biology</i> , 2022, 17, 361-375.	3.4	23
8	New Deoxyenhyngrolides from <i>Plesiocystis pacifica</i> Provide Insights into Butenolide Core Biosynthesis. <i>Marine Drugs</i> , 2022, 20, 72.	4.6	7
9	Cryo-EM of the Yeast V <sub>O</sub> Complex Reveals Distinct Binding Sites for Macrolide V-ATPase Inhibitors. <i>ACS Chemical Biology</i> , 2022, 17, 619-628.	3.4	4
10	N-Aryl Mercaptopropionamides as Broad-Spectrum Inhibitors of Metallo- $\beta$ -Lactamases. <i>Journal of Medicinal Chemistry</i> , 2022, 65, 3913-3922.	6.4	11
11	Myxobacteria of the Cystobacterineae Suborder Are Producers of New Vitamin K2 Derived Myxoquinones. <i>Microorganisms</i> , 2022, 10, 534.	3.6	1
12	Total In Vitro Biosynthesis of the Thioamide Thioholgamide and Investigation of the Pathway. <i>Journal of the American Chemical Society</i> , 2022, 144, 5136-5144.	13.7	19
13	Stereoselective Syntheses of Deuterated Pipecolic Acids as Tools to Investigate the Stereoselectivity of the Hydroxylase GetF. <i>European Journal of Organic Chemistry</i> , 2022, 2022, .	2.4	1
14	Transferring Microclusters of <i>P. aeruginosa</i> Biofilms to the Air-Liquid Interface of Bronchial Epithelial Cells for Repeated Deposition of Aerosolized Tobramycin. <i>ACS Infectious Diseases</i> , 2022, 8, 137-149.	3.8	8
15	Structure-Based Design of $\beta$ -Substituted Mercaptoacetamides as Inhibitors of the Virulence Factor LasB from <i>Pseudomonas aeruginosa</i> . <i>ACS Infectious Diseases</i> , 2022, 8, 1010-1021.	3.8	7
16	Global analysis of biosynthetic gene clusters reveals conserved and unique natural products in entomopathogenic nematode-symbiotic bacteria. <i>Nature Chemistry</i> , 2022, 14, 701-712.	13.6	42
17	Beyond the approved: target sites and inhibitors of bacterial RNA polymerase from bacteria and fungi. <i>Natural Product Reports</i> , 2022, 39, 1226-1263.	10.3	18
18	Regio- and Stereoselective Epoxidation and Acidic Epoxide Opening of Antibacterial and Antiplasmodial Chlorotonils Yield Highly Potent Derivatives. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	5

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19	Compendium of specialized metabolite biosynthetic diversity encoded in bacterial genomes. <i>Nature Microbiology</i> , 2022, 7, 726-735.	13.3	106
20	The cyclic octapeptide antibiotic argyrin B inhibits translation by trapping EF-G on the ribosome during translocation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2114214119.	7.1	8
21	The protein biosynthesis inhibitor vioprolide A evokes anti-angiogenic and pro-survival actions by targeting NOP14 and decreasing VEGF receptor 2- and TAZ-signaling. <i>Biomedicine and Pharmacotherapy</i> , 2022, 152, 113174.	5.6	3
22	Corallopyronin A: antimicrobial discovery to preclinical development. <i>Natural Product Reports</i> , 2022, 39, 1705-1720.	10.3	13
23	Systematic Cross-biospecimen Evaluation of DNA Extraction Kits for Long- and Short-read Multi-metagenomic Sequencing Studies. <i>Genomics, Proteomics and Bioinformatics</i> , 2022, 20, 405-417.	6.9	3
24	<i>Corallococcus soli</i> sp. Nov., a Soil Myxobacterium Isolated from Subtropical Climate, Chalus County, Iran, and Its Potential to Produce Secondary Metabolites. <i>Microorganisms</i> , 2022, 10, 1262.	3.6	7
25	Targeting cellular fatty acid synthesis limits T helper and innate lymphoid cell function during intestinal inflammation and infection. <i>Mucosal Immunology</i> , 2021, 14, 164-176.	6.0	19
26	Ribosome-Targeting Antibiotics Impair T Cell Effector Function and Ameliorate Autoimmunity by Blocking Mitochondrial Protein Synthesis. <i>Immunity</i> , 2021, 54, 68-83.e6.	14.3	51
27	Expanding the Scope of Detectable Microbial Natural Products by Complementary Analytical Methods and Cultivation Systems. <i>Journal of Natural Products</i> , 2021, 84, 268-277.	3.0	4
28	Improved broad-spectrum antibiotics against Gram-negative pathogens via darobactin biosynthetic pathway engineering. <i>Chemical Science</i> , 2021, 12, 11882-11893.	7.4	41
29	<i>Kibdelosporangium persicum</i> sp. nov., a new member of the Actinomycetes from a hot desert in Iran. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2021, 71, .	1.7	9
30	In vivo and in vitro reconstitution of unique key steps in cystobactamid antibiotic biosynthesis. <i>Nature Communications</i> , 2021, 12, 1696.	12.8	14
31	Die Sandarazole sind kryptische und strukturell einzigartige, Plasmid-encodierte Toxine aus einem seltenen Myxobakterium**. <i>Angewandte Chemie</i> , 2021, 133, 8161-8169.	2.0	0
32	Phosphonate as a Stable Zinc-Binding Group for Pathoblocker-Inhibitors of Clostridial Collagenase H (ColH). <i>ChemMedChem</i> , 2021, 16, 1257-1267.	3.2	14
33	The Sandarazols are Cryptic and Structurally Unique Plasmid-Encoded Toxins from a Rare Myxobacterium**. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 8081-8088.	13.8	7
34	miRMaster 2.0: multi-species non-coding RNA sequencing analyses at scale. <i>Nucleic Acids Research</i> , 2021, 49, W397-W408.	14.5	12
35	Structure and biosynthesis of sorangipyranone – a new 1 <sup>3</sup> -dihydropyrone from the myxobacterial strain MSr12020. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2021, 48, .	3.0	5
36	Sesbanimide R, a Novel Cytotoxic Polyketide Produced by Magnetotactic Bacteria. <i>MBio</i> , 2021, 12, .	4.1	2

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37	Insights into evolution and coexistence of the colibactin- and yersiniabactin secondary metabolite determinants in enterobacterial populations. <i>Microbial Genomics</i> , 2021, 7, .	2.0	13
38	Rational construction of genome-reduced Burkholderiales chassis facilitates efficient heterologous production of natural products from proteobacteria. <i>Nature Communications</i> , 2021, 12, 4347.	12.8	26
39	Physiologically Based Pharmacokinetic/Pharmacodynamic Model for the Treatment of Dengue Infections Applied to the Broad Spectrum Antiviral Soraphen A. <i>ACS Pharmacology and Translational Science</i> , 2021, 4, 1499-1513.	4.9	6
40	Expanding the Myxochelin Natural Product Family by Nicotinic Acid Containing Congeners. <i>Molecules</i> , 2021, 26, 4929.	3.8	5
41	Towards the sustainable discovery and development of new antibiotics. <i>Nature Reviews Chemistry</i> , 2021, 5, 726-749.	30.2	439
42	Synergizing the potential of bacterial genomics and metabolomics to find novel antibiotics. <i>Chemical Science</i> , 2021, 12, 5994-6010.	7.4	33
43	Structure and Biosynthesis of Myxofacyclines: Unique Myxobacterial Polyketides Featuring Varing and Rare Heterocycles <sup>***</sup> . <i>Chemistry - A European Journal</i> , 2021, 27, 16654-16661.	3.3	4
44	Novel 2,4-disubstituted quinazoline analogs as antibacterial agents with improved cytotoxicity profile: Optimization of the 2,4-substituents. <i>Bioorganic Chemistry</i> , 2021, 117, 105422.	4.1	6
45	Bacteria-Based Live Vehicle for <i>In Vivo</i> Bioluminescence Imaging. <i>Analytical Chemistry</i> , 2021, 93, 15687-15695.	6.5	10
46	Structure of <i>Escherichia coli</i> cytochrome bd-II type oxidase with bound aurachin D. <i>Nature Communications</i> , 2021, 12, 6498.	12.8	25
47	Total synthesis and mechanism of action of the antibiotic armeniaspirol A. <i>Chemical Science</i> , 2021, 12, 16023-16034.	7.4	5
48	Genome-Guided Discovery of the First Myxobacterial Biarylptide Myxarylin Reveals Distinct C <sup>14</sup> N Biaryl Crosslinking in RiPP Biosynthesis. <i>Molecules</i> , 2021, 26, 7483.	3.8	27
49	Der zytotoxische Naturstoff Vioprolid...A interagiert mit dem für die Ribosomen-Biogenese essentiellen nukleären Protein 14. <i>Angewandte Chemie</i> , 2020, 132, 1611-1617.	2.0	4
50	In depth natural product discovery - Myxobacterial strains that provided multiple secondary metabolites. <i>Biotechnology Advances</i> , 2020, 39, 107480.	11.7	57
51	The Cytotoxic Natural Product Vioprolide...A Targets Nucleolar Protein 14, Which Is Essential for Ribosome Biogenesis. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 1595-1600.	13.8	37
52	Synthetic studies of cystobactamids as antibiotics and bacterial imaging carriers lead to compounds with high <i>in vivo</i> efficacy. <i>Chemical Science</i> , 2020, 11, 1316-1334.	7.4	20
53	Structures of lipoprotein signal peptidase II from <i>Staphylococcus aureus</i> complexed with antibiotics globomycin and myxovirescin. <i>Nature Communications</i> , 2020, 11, 140.	12.8	29
54	Semisynthesis and biological evaluation of amidochelocardin derivatives as broad-spectrum antibiotics. <i>European Journal of Medicinal Chemistry</i> , 2020, 188, 112005.	5.5	14

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55	Synthetic and Biological Studies on New Urea and Triazole Containing Cystobactamid Derivatives. <i>Chemistry - A European Journal</i> , 2020, 26, 4289-4296.	3.3	10
56	Dual-function chromogenic screening-based CRISPR/Cas9 genome editing system for actinomycetes. <i>Applied Microbiology and Biotechnology</i> , 2020, 104, 225-239.	3.6	17
57	Amidochelocardin Overcomes Resistance Mechanisms Exerted on Tetracyclines and Natural Chelocardin. <i>Antibiotics</i> , 2020, 9, 619.	3.7	10
58	Drug Administration Routes Impact the Metabolism of a Synthetic Cannabinoid in the Zebrafish Larvae Model. <i>Molecules</i> , 2020, 25, 4474.	3.8	19
59	Natural Products Impacting DNA Methyltransferases and Histone Deacetylases. <i>Frontiers in Pharmacology</i> , 2020, 11, 992.	3.5	28
60	An ambruticin-sensing complex modulates <i>Myxococcus xanthus</i> development and mediates myxobacterial interspecies communication. <i>Nature Communications</i> , 2020, 11, 5563.	12.8	11
61	Supercritical Fluid Extraction Enhances Discovery of Secondary Metabolites from Myxobacteria. <i>Analytical Chemistry</i> , 2020, 92, 15403-15411.	6.5	18
62	The antibiotic sorangicin A inhibits promoter DNA unwinding in a <i>Mycobacterium tuberculosis</i> rifampicin-resistant RNA polymerase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 30423-30432.	7.1	25
63	<i>N</i> -Aryl-3-mercaptosuccinimides as Antivirulence Agents Targeting <i>Pseudomonas aeruginosa</i> Elastase and <i>Clostridium</i> Collagenases. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 8359-8368.	6.4	27
64	2-Hydroxysorangiadenosine: Structure and Biosynthesis of a Myxobacterial Sesquiterpene Nucleoside. <i>Molecules</i> , 2020, 25, 2676.	3.8	9
65	Dual-Seq reveals genome and transcriptome of <i>Caedibacter taeniospiralis</i> , obligate endosymbiont of <i>Paramecium</i> . <i>Scientific Reports</i> , 2020, 10, 9727.	3.3	8
66	Human microbial metabolite mimicry as a strategy to expand the chemical space of potential drugs. <i>Drug Discovery Today</i> , 2020, 25, 1575-1579.	6.4	4
67	Bacteria as genetically programmable producers of bioactive natural products. <i>Nature Reviews Chemistry</i> , 2020, 4, 172-193.	30.2	93
68	Biosynthesis of Cittilins, Unusual Ribosomally Synthesized and Post-translationally Modified Peptides from <i>Myxococcus xanthus</i> . <i>ACS Chemical Biology</i> , 2020, 15, 2221-2231.	3.4	46
69	Host Development for Heterologous Expression and Biosynthetic Studies of Myxobacterial Natural Products. , 2020, , 149-216.		5
70	The ROK like protein of <i>Myxococcus xanthus</i> DK1622 acts as a pleiotropic transcriptional regulator for secondary metabolism. <i>Journal of Biotechnology</i> , 2020, 311, 25-34.	3.8	2
71	Cystobactamid 507: Concise Synthesis, Mode of Action, and Optimization toward More Potent Antibiotics. <i>Chemistry - A European Journal</i> , 2020, 26, 7219-7225.	3.3	18
72	Myxobacteria-Derived Outer Membrane Vesicles: Potential Applicability Against Intracellular Infections. <i>Cells</i> , 2020, 9, 194.	4.1	29

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73	Protein-templated Hit Identification through an Ugi Four-Component Reaction**. Chemistry - A European Journal, 2020, 26, 14585-14593.	3.3	15
74	ClbR Is the Key Transcriptional Activator of Colibactin Gene Expression in Escherichia coli. MSphere, 2020, 5, .	2.9	19
75	Corallopyronin A for short-course anti-wolbachial, macrofilaricidal treatment of filarial infections. PLoS Neglected Tropical Diseases, 2020, 14, e0008930.	3.0	26
76	Thioholgamide A, a New Anti-Proliferative Anti-Tumor Agent, Modulates Macrophage Polarization and Metabolism. Cancers, 2020, 12, 1288.	3.7	22
77	Heterologous expression of the atypical tetracycline chelocardin reveals the full set of genes required for its biosynthesis. Microbial Cell Factories, 2020, 19, 230.	4.0	5
78	Metabolic Profiling to Determine Bactericidal or Bacteriostatic Effects of New Natural Products using Isothermal Microcalorimetry. Journal of Visualized Experiments, 2020, , .	0.3	2
79	Watching DNA Replication Inhibitors in Action: Exploiting Time-Lapse Microfluidic Microscopy as a Tool for Target-Drug Interaction Studies in <i>Mycobacterium</i> . Antimicrobial Agents and Chemotherapy, 2019, 63, .	3.2	19
80	Perquinolines A-C: Unprecedented Bacterial Tetrahydroisoquinolines Involving an Intriguing Biosynthesis. Angewandte Chemie - International Edition, 2019, 58, 12930-12934.	13.8	10
81	Production optimization and biosynthesis revision of corallopyronin A, a potent anti-filarial antibiotic. Metabolic Engineering, 2019, 55, 201-211.	7.0	35
82	Connecting lysosomes and mitochondria – a novel role for lipid metabolism in cancer cell death. Cell Communication and Signaling, 2019, 17, 87.	6.5	32
83	Chivosazole A Modulates Protein-Protein Interactions of Actin. Journal of Natural Products, 2019, 82, 1961-1970.	3.0	8
84	Production of a Dibrominated Aromatic Secondary Metabolite by a Planctomycete Implies Complex Interaction with a Macroalgal Host. ACS Chemical Biology, 2019, 14, 2713-2719.	3.4	18
85	Scalable Syntheses of Methoxyaspartate and Preparation of the Antibiotic Cystobactamid 861-2 and Highly Potent Derivatives. Organic Letters, 2019, 21, 8369-8372.	4.6	12
86	Differential regulation of AMP-activated protein kinase in healthy and cancer cells explains why V-ATPase inhibition selectively kills cancer cells. Journal of Biological Chemistry, 2019, 294, 17239-17248.	3.4	6
87	The mRNA-binding Protein TTP/ZFP36 in Hepatocarcinogenesis and Hepatocellular Carcinoma. Cancers, 2019, 11, 1754.	3.7	20
88	Homologous bd oxidases share the same architecture but differ in mechanism. Nature Communications, 2019, 10, 5138.	12.8	65
89	Polyunsaturated fatty acid production by <i>Yarrowia lipolytica</i> employing designed myxobacterial PUFA synthases. Nature Communications, 2019, 10, 4055.	12.8	81
90	Aurantimycin resistance genes contribute to survival of <i>Listeria monocytogenes</i> during life in the environment. Molecular Microbiology, 2019, 111, 1009-1024.	2.5	16

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91	Heterologous expression of bacterial natural product biosynthetic pathways. <i>Natural Product Reports</i> , 2019, 36, 1412-1436.	10.3	171
92	Acetyl-CoA carboxylase 1-dependent lipogenesis promotes autophagy downstream of AMPK. <i>Journal of Biological Chemistry</i> , 2019, 294, 12020-12039.	3.4	29
93	Two Biosynthetic Pathways in <i>Jahnella thaxteri</i> for Thaxteramides, Distinct Types of Lipopeptides. <i>Organic Letters</i> , 2019, 21, 5407-5412.	4.6	6
94	ACC1 (Acetyl Coenzyme A Carboxylase 1) Is a Potential Immune Modulatory Target of Cerebral Ischemic Stroke. <i>Stroke</i> , 2019, 50, 1869-1878.	2.0	29
95	Integrating Culture-based Antibiotic Resistance Profiles with Whole-genome Sequencing Data for 11,087 Clinical Isolates. <i>Genomics, Proteomics and Bioinformatics</i> , 2019, 17, 169-182.	6.9	8
96	Synthesis of New Cyclomarins and Their Biological Evaluation towards <i>Mycobacterium Tuberculosis</i> and <i>Plasmodium Falciparum</i> . <i>Chemistry - A European Journal</i> , 2019, 25, 8894-8902.	3.3	21
97	A Highly Polymorphic Receptor Governs Many Distinct Self-Recognition Types within the <i>Myxococcales</i> Order. <i>MBio</i> , 2019, 10, .	4.1	19
98	Targeting actin inhibits repair of doxorubicin-induced DNA damage: a novel therapeutic approach for combination therapy. <i>Cell Death and Disease</i> , 2019, 10, 302.	6.3	29
99	Cystobactamids 920-1 and 920-2: Assignment of the Constitution and Relative Configuration by Total Synthesis. <i>Organic Letters</i> , 2019, 21, 1359-1363.	4.6	15
100	A central hydrophobic E1 region controls the pH range of hepatitis C virus membrane fusion and susceptibility to fusion inhibitors. <i>Journal of Hepatology</i> , 2019, 70, 1082-1092.	3.7	15
101	Engineering Atypical Tetracycline Formation in <i>Amycolatopsis sulphurea</i> for the Production of Modified Chelocardin Antibiotics. <i>ACS Chemical Biology</i> , 2019, 14, 468-477.	3.4	24
102	Dedication: Heinz Floss and Christopher Walsh "pioneers in natural product chemical biology. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2019, 46, 251-255.	3.0	2
103	Introduction to the special issue: "Natural Product Discovery and Development in the Genomic Era: 2019" <i>Journal of Industrial Microbiology and Biotechnology</i> , 2019, 46, 249-249.	3.0	1
104	Chemical synthesis of tripeptide thioesters for the biotechnological incorporation into the myxobacterial secondary metabolite argyirin via mutasynthesis. <i>Beilstein Journal of Organic Chemistry</i> , 2019, 15, 2922-2929.	2.2	3
105	Armeniaspirol Antibiotic Biosynthesis: Chlorination and Oxidative Dechlorination Steps Affording Spiro[4.4]nonane. <i>ChemBioChem</i> , 2019, 20, 764-769.	2.6	7
106	Expressing cytotoxic compounds in <i>Escherichia coli</i> Nissle 1917 for tumor-targeting therapy. <i>Research in Microbiology</i> , 2019, 170, 74-79.	2.1	48
107	Class I Methyltransferase VioH Catalyzes Unusual S-Adenosyl-methionine Cyclization Leading to 4-Methylazetidinedicarboxylic Acid Formation during Vioprolide Biosynthesis. <i>ACS Chemical Biology</i> , 2019, 14, 99-105.	3.4	18
108	Novel Methoxymethacrylate Natural Products Uncovered by Statistics-Based Mining of the <i>Myxococcus fulvus</i> Secondary Metabolome. <i>ACS Chemical Biology</i> , 2019, 14, 88-98.	3.4	22

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109	Genome mining reveals uncommon alkylpyrones as type III PKS products from myxobacteria. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2019, 46, 319-334.	3.0	30
110	Correlating chemical diversity with taxonomic distance for discovery of natural products in myxobacteria. <i>Nature Communications</i> , 2018, 9, 803.	12.8	137
111	Two Types of Threonine-Tagged Lipopeptides Synergize in Host Colonization by Pathogenic <i>Burkholderia</i> Species. <i>ACS Chemical Biology</i> , 2018, 13, 1370-1379.	3.4	34
112	Biosynthesis and Heterologous Production of Vioprolides: Rational Biosynthetic Engineering and Unprecedented 4- <i>Methylazetidincarboxylic Acid</i> Formation. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 8754-8759.	13.8	54
113	Genome-wide mutant profiling predicts the mechanism of a Lipid II binding antibiotic. <i>Nature Chemical Biology</i> , 2018, 14, 601-608.	8.0	60
114	Discovery of recombinases enables genome mining of cryptic biosynthetic gene clusters in <i>Burkholderiales</i> species. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E4255-E4263.	7.1	80
115	Octapeptins: Lipopeptide Antibiotics against Multidrug-Resistant Superbugs. <i>Cell Chemical Biology</i> , 2018, 25, 351-353.	5.2	11
116	Improved riboflavin production with <i>Ashbya gossypii</i> from vegetable oil based on <sup>13</sup> C metabolic network analysis with combined labeling analysis by GC/MS, LC/MS, 1D, and 2D NMR. <i>Metabolic Engineering</i> , 2018, 47, 357-373.	7.0	50
117	Biosynthesis of the <i>Klebsiella oxytoca</i> Pathogenicity Factor Tilivalline: Heterologous Expression, <i>In Vitro</i> Biosynthesis, and Inhibitor Development. <i>ACS Chemical Biology</i> , 2018, 13, 812-819.	3.4	24
118	Production of extracellular heterologous proteins in <i>Streptomyces rimosus</i> , producer of the antibiotic oxytetracycline. <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 2607-2620.	3.6	13
119	ExoCET: exonuclease <i>in vitro</i> assembly combined with RecET recombination for highly efficient direct DNA cloning from complex genomes. <i>Nucleic Acids Research</i> , 2018, 46, e28-e28.	14.5	96
120	Oxygenated <i>N</i> -Acyl Alanine Methyl Esters (NAMEs) from the Marine Bacterium <i>Roseovarius tolerans</i> EL-164. <i>Journal of Natural Products</i> , 2018, 81, 131-139.	3.0	15
121	A Motif-Oriented Total Synthesis of Nannocystin Ax. Preparation and Biological Assessment of Analogues. <i>Journal of Organic Chemistry</i> , 2018, 83, 6977-6994.	3.2	67
122	The Alkylquinolone Repertoire of <i>Pseudomonas aeruginosa</i> is Linked to Structural Flexibility of the FabH-like 2-Heptyl-3-hydroxy-4(1H)-quinolone (PQS) Biosynthesis Enzyme PqsBC. <i>ChemBioChem</i> , 2018, 19, 1531-1544.	3.1	17
123	Self-resistance guided genome mining uncovers new topoisomerase inhibitors from myxobacteria. <i>Chemical Science</i> , 2018, 9, 4898-4908.	7.4	88
124	Biosynthese und heterologe Expression der Vioprolide: rationale gentechnische Eingriffe in die Biosynthese und 4-Methylazetidincarbonyl-Bildung. <i>Angewandte Chemie</i> , 2018, 130, 8890-8895.	2.0	9
125	Crocadepsins – Depsipeptides from the Myxobacterium <i>Chondromyces crocatus</i> Found by a Genome Mining Approach. <i>ACS Chemical Biology</i> , 2018, 13, 267-272.	3.4	11
126	Acetyl-CoA carboxylase 1 regulates endothelial cell migration by shifting the phospholipid composition. <i>Journal of Lipid Research</i> , 2018, 59, 298-311.	4.2	40



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127	Homospermidine Lipids: A Compound Class Specifically Formed during Fruiting Body Formation of <i>Myxococcus xanthus</i> DK1622. <i>ACS Chemical Biology</i> , 2018, 13, 273-280.	3.4	11
128	Targeting de novo lipogenesis as a novel approach in anti-cancer therapy. <i>British Journal of Cancer</i> , 2018, 118, 43-51.	6.4	47
129	BAX/BAK-Induced Apoptosis Results in Caspase-8-Dependent IL-1 $\beta$ Maturation in Macrophages. <i>Cell Reports</i> , 2018, 25, 2354-2368.e5.	6.4	74
130	Adaptation of a Bacterial Multidrug Resistance System Revealed by the Structure and Function of AlbA. <i>Journal of the American Chemical Society</i> , 2018, 140, 16641-16649.	13.7	14
131	<i>N</i> -Acylated amino acid methyl esters from marine <i>Roseobacter</i> group bacteria. <i>Beilstein Journal of Organic Chemistry</i> , 2018, 14, 2964-2973.	2.2	6
132	Synthesis and Biological Evaluation of Modified Miuraenamides. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 6952-6965.	2.4	16
133	Biocompatible bacteria-derived vesicles show inherent antimicrobial activity. <i>Journal of Controlled Release</i> , 2018, 290, 46-55.	9.9	90
134	Characterization of an Unusual Glycerate Esterification Process in Vioprolide Biosynthesis. <i>ACS Chemical Biology</i> , 2018, 13, 3123-3130.	3.4	17
135	Activation of the NLRP3 Inflammasome by Hyaboron, a New Asymmetric Boron-Containing Macrodiolide from the Myxobacterium <i>Hyalangium minutum</i> . <i>ACS Chemical Biology</i> , 2018, 13, 2981-2988.	3.4	15
136	The Translational Machinery of Human CD4+ T Cells Is Poised for Activation and Controls the Switch from Quiescence to Metabolic Remodeling. <i>Cell Metabolism</i> , 2018, 28, 895-906.e5.	16.2	116
137	The vacuolar-type ATPase inhibitor archazolid increases tumor cell adhesion to endothelial cells by accumulating extracellular collagen. <i>PLoS ONE</i> , 2018, 13, e0203053.	2.5	6
138	Metabolic and Biosynthetic Diversity in Marine Myxobacteria. <i>Marine Drugs</i> , 2018, 16, 314.	4.6	30
139	Future Directions of Marine Myxobacterial Natural Product Discovery Inferred from Metagenomics. <i>Marine Drugs</i> , 2018, 16, 303.	4.6	21
140	Draft Genome Sequence and Annotation of the Obligate Bacterial Endosymbiont <i>Caedibacter taeniospiralis</i> , Causative Agent of the Killer Phenotype in <i>Paramecium tetraurelia</i> . <i>Genome Announcements</i> , 2018, 6, .	0.8	3
141	A fluorescence anisotropy assay to discover and characterize ligands targeting the maytansine site of tubulin. <i>Nature Communications</i> , 2018, 9, 2106.	12.8	41
142	Iterative Methylations Resulting in the Biosynthesis of the <i>t</i> -Butyl Group Catalyzed by a B12-Dependent Radical SAM Enzyme in Cystobactamid Biosynthesis. <i>Methods in Enzymology</i> , 2018, 606, 199-216.	1.0	9
143	Concepts and Methods to Access Novel Antibiotics from Actinomycetes. <i>Antibiotics</i> , 2018, 7, 44.	3.7	119
144	Struktur, Totalsynthese und Biosynthese der Chloromyxamide: Myxobakterielle Tetrapeptide mit einem ungewöhnlichen 6- $\alpha$ -Chloromethyl-5-methoxypipercolinsäurebaustein. <i>Angewandte Chemie</i> , 2018, 130, 14466-14471.	2.0	3

#	ARTICLE	IF	CITATIONS
145	Structure, Total Synthesis, and Biosynthesis of Chloromyxamides: Myxobacterial Tetrapeptides Featuring an Uncommon 6- <i>Chloromethyl</i> -5-methoxy-pipecolic Acid Building Block. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 14270-14275.	13.8	18
146	Synthetic biology approaches and combinatorial biosynthesis towards heterologous lipopeptide production. <i>Chemical Science</i> , 2018, 9, 7510-7519.	7.4	40
147	<i>Nannocystis konarekensis</i> sp. nov., a novel myxobacterium from an Iranian desert. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2018, 68, 721-729.	1.7	21
148	<i>Simulacricoccus ruber</i> gen. nov., sp. nov., a microaerotolerant, non-fruiting, myxospore-forming soil myxobacterium and emended description of the family Myxococcaceae. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2018, 68, 3101-3110.	1.7	21
149	A polyphasic approach leads to seven new species of the cellulose-decomposing genus <i>Sorangium</i> , <i>Sorangium ambruticinum</i> sp. nov., <i>Sorangium arenae</i> sp. nov., <i>Sorangium bulgaricum</i> sp. nov., <i>Sorangium dawidii</i> sp. nov., <i>Sorangium kenyense</i> sp. nov., <i>Sorangium orientale</i> sp. nov. and <i>Sorangium reichenbachii</i> sp. nov.. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2018, 68, 3576-3586.	1.7	46
150	Solving the Puzzle of One-Carbon Loss in Ripostatin Biosynthesis. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 2192-2197.	13.8	13
151	Modulation of actin dynamics as potential macrophage subtype-targeting anti-tumour strategy. <i>Scientific Reports</i> , 2017, 7, 41434.	3.3	19
152	Disorazoles Block Group A Streptococcal Invasion into Epithelial Cells Via Interference with the Host Factor Ezrin. <i>Cell Chemical Biology</i> , 2017, 24, 159-170.	5.2	14
153	Die Lösung des Rätsels um den Verlust eines Kohlenstoffatoms in der Ripostatin-Biosynthese. <i>Angewandte Chemie</i> , 2017, 129, 2226-2231.	2.0	0
154	Long-Chain Alkyl Cyanides: Unprecedented Volatile Compounds Released by <i>Pseudomonas</i> and <i>Micromonospora</i> Bacteria. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 4342-4346.	13.8	26
155	Selective upregulation of TNF $\alpha$ expression in classically-activated human monocyte-derived macrophages (M1) through pharmacological interference with V-ATPase. <i>Biochemical Pharmacology</i> , 2017, 130, 71-82.	4.4	34
156	Harnessing a <i>p</i> -Quinone Methide Intermediate in the Biomimetic Total Synthesis of the Highly Active Antibiotic 20-Deoxy-elansolid B1. <i>Chemistry - A European Journal</i> , 2017, 23, 5291-5298.	3.3	18
157	Novel and revisited approaches in antituberculosis drug discovery. <i>Current Opinion in Biotechnology</i> , 2017, 48, 94-101.	6.6	19
158	AibA/AibB Induces an Intramolecular Decarboxylation in Isovalerate Biosynthesis by <i>Myxococcus xanthus</i> . <i>Angewandte Chemie - International Edition</i> , 2017, 56, 9986-9989.	13.8	11
159	Heterologous Production and Yield Improvement of Epothilones in Burkholderiales Strain DSM 7029. <i>ACS Chemical Biology</i> , 2017, 12, 1805-1812.	3.4	48
160	Structure and Biosynthesis of Crocagins: Polycyclic Posttranslationally Modified Ribosomal Peptides from <i>Chondromyces crocatus</i> . <i>Angewandte Chemie - International Edition</i> , 2017, 56, 7407-7410.	13.8	32
161	Pyxipyrrolones: Structure Elucidation and Biosynthesis of Cytotoxic Myxobacterial Metabolites. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 9614-9618.	13.8	20
162	Chemische Struktur und Biosynthese der Crocagine, polycyclischer Peptide ribosomalen Ursprungs aus <i>Chondromyces crocatus</i> . <i>Angewandte Chemie</i> , 2017, 129, 7513-7517.	2.0	3

#	ARTICLE	IF	CITATIONS
163	Biosynthesis of Branched Alkoxy Groups: Iterative Methyl Group Alkylation by a Cobalamin-Dependent Radical SAM Enzyme. <i>Journal of the American Chemical Society</i> , 2017, 139, 1742-1745.	13.7	54
164	An Unprecedented Octahydro-3H-oxeto[2,3,4-ij]isochromene Ring System Formed by a Trichloromethyl-Anion-Induced Reaction Cascade. <i>Synlett</i> , 2017, 28, 467-470.	1.8	2
165	Synthetic biology approaches to establish a heterologous production system for coronatines. <i>Metabolic Engineering</i> , 2017, 44, 213-222.	7.0	18
166	The Biofilm Inhibitor Carolacton Enters Gram-Negative Cells: Studies Using a TolC-Deficient Strain of <i>Escherichia coli</i> . <i>MSphere</i> , 2017, 2, .	2.9	13
167	Thioholgamides: Thioamide-Containing Cytotoxic RiPP Natural Products. <i>ACS Chemical Biology</i> , 2017, 12, 2837-2841.	3.4	65
168	Biosynthesis and Total Synthesis of Pyrronazol B: a Secondary Metabolite from <i>Nannocystis pusilla</i> . <i>Chemistry - A European Journal</i> , 2017, 23, 15917-15921.	3.3	17
169	Covalent Lectin Inhibition and Application in Bacterial Biofilm Imaging. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 16559-16564.	13.8	56
170	Heterologous production of myxobacterial $\beta$ -pyrone antibiotics in <i>Myxococcus xanthus</i> . <i>Metabolic Engineering</i> , 2017, 44, 160-170.	7.0	36
171	Total Synthesis of Crocaginin. <i>Angewandte Chemie</i> , 2017, 129, 13028-13031.	2.0	4
172	Linoleic and palmitoleic acid block streptokinase-mediated plasminogen activation and reduce severity of invasive group A streptococcal infection. <i>Scientific Reports</i> , 2017, 7, 11798.	3.3	4
173	CYP17A1-independent production of the neurosteroid-derived $5\beta$ -pregnan-3 $\beta$ ,6 $\beta$ -diol-20-one in androgen-responsive prostate cancer cell lines under serum starvation and inhibition by Abiraterone. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2017, 174, 183-191.	2.5	7
174	Total Biosynthesis of the Pyrrolo[4,2]benzodiazepine Scaffold Tomaymycin on an In Vitro Reconstituted NRPS System. <i>Cell Chemical Biology</i> , 2017, 24, 1216-1227.e8.	5.2	19
175	Discovery and Total Synthesis of Natural Cystobactamid Derivatives with Superior Activity against Gram-Negative Pathogens. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 12760-12764.	13.8	62
176	Total Syntheses of Cystobactamids and Structural Confirmation of Cystobactamid 919. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 12755-12759.	13.8	19
177	Entdeckung und Totalsynthese von natürlichen Cystobactamid-Derivaten mit herausragender Aktivität gegen Gram-negative Pathogene. <i>Angewandte Chemie</i> , 2017, 129, 12934-12938.	2.0	13
178	Die Pyxipyrralone: Strukturaufklärung und Biosynthese zytotoxischer myxobakterieller Sekundärmetabolite. <i>Angewandte Chemie</i> , 2017, 129, 9743-9747.	2.0	5
179	Biosynthesis of methyl-proline containing griselimycins, natural products with anti-tuberculosis activity. <i>Chemical Science</i> , 2017, 8, 7521-7527.	7.4	72
180	Inhibition of the V-ATPase by Archazolid A: A New Strategy to Inhibit EMT. <i>Molecular Cancer Therapeutics</i> , 2017, 16, 2329-2339.	4.1	14

#	ARTICLE	IF	CITATIONS
181	Total Synthesis of Crocagin. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 12848-12851.	13.8	10
182	The natural product carolacton inhibits folate-dependent C1 metabolism by targeting Fold/MTHFD. <i>Nature Communications</i> , 2017, 8, 1529.	12.8	66
183	Heterologous expression of the plant cysteine protease bromelain and its inhibitor in <i>Pichia pastoris</i> . <i>Biotechnology Progress</i> , 2017, 33, 54-65.	2.6	7
184	Optimization of the biotechnological production of a novel class of anti-MRSA antibiotics from <i>Chitinophaga sancti</i> . <i>Microbial Cell Factories</i> , 2017, 16, 143.	4.0	6
185	V-ATPase inhibition increases cancer cell stiffness and blocks membrane related Ras signaling - a new option for HCC therapy. <i>Oncotarget</i> , 2017, 8, 9476-9487.	1.8	37
186	The AibR-isovaleryl coenzyme A regulator and its DNA binding site – a model for the regulation of alternative de novo isovaleryl coenzyme A biosynthesis in <i>Myxococcus xanthus</i> . <i>Nucleic Acids Research</i> , 2017, 45, 2166-2178.	14.5	7
187	<i>Racemicystis persica</i> sp. nov., a myxobacterium from soil. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2017, 67, 472-478.	1.7	10
188	<i>Vitiosangium cumulatum</i> gen. nov., sp. nov. and <i>Vitiosangium subalbum</i> sp. nov., soil myxobacteria, and emended descriptions of the genera <i>Archangium</i> and <i>Angiococcus</i> , and of the family <i>Cystobacteraceae</i> . <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2017, 67, 1422-1430.	1.7	27
189	Effects of Halide Ions on the Carbamidocyclophane Biosynthesis in <i>Nostoc</i> sp. CAVN2. <i>Marine Drugs</i> , 2016, 14, 21.	4.6	35
190	Susceptibility of Different Mouse Wild Type Strains to Develop Diet-Induced NAFLD/AFLD-Associated Liver Disease. <i>PLoS ONE</i> , 2016, 11, e0155163.	2.5	62
191	Investigations to the Antibacterial Mechanism of Action of Kendomycin. <i>PLoS ONE</i> , 2016, 11, e0146165.	2.5	15
192	Transient Hepatic Overexpression of Insulin-Like Growth Factor 2 Induces Free Cholesterol and Lipid Droplet Formation. <i>Frontiers in Physiology</i> , 2016, 7, 147.	2.8	19
193	The Structure of LiuC, a 3-Hydroxy-3-Methylglutaconyl CoA Dehydratase Involved in Isovaleryl-CoA Biosynthesis in <i>Myxococcus xanthus</i> , Reveals Insights into Specificity and Catalysis. <i>ChemBioChem</i> , 2016, 17, 1658-1664.	2.6	9
194	Crystal structure of AibC, a reductase involved in alternative de novo isovaleryl coenzyme A biosynthesis in <i>Myxococcus xanthus</i> . <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2016, 72, 652-658.	0.8	3
195	The biofilm inhibitor Carolacton inhibits planktonic growth of virulent pneumococci via a conserved target. <i>Scientific Reports</i> , 2016, 6, 29677.	3.3	17
196	Flunarizine prevents hepatitis C virus membrane fusion in a genotype-dependent manner by targeting the potential fusion peptide within E1. <i>Hepatology</i> , 2016, 63, 49-62.	7.3	64
197	Isolation, Structure Elucidation, Biosynthesis, and Synthesis of Antalid, a Secondary Metabolite from <i>Polyangium</i> species. <i>Organic Letters</i> , 2016, 18, 2560-2563.	4.6	15
198	Sharing and community curation of mass spectrometry data with Global Natural Products Social Molecular Networking. <i>Nature Biotechnology</i> , 2016, 34, 828-837.	17.5	2,802

#	ARTICLE	IF	CITATIONS
199	Structure and Substrate Recognition of the Botromycin Maturation Enzyme BotP. <i>ChemBioChem</i> , 2016, 17, 2286-2292.	2.6	15
200	Predicting the Presence of Uncommon Elements in Unknown Biomolecules from Isotope Patterns. <i>Analytical Chemistry</i> , 2016, 88, 7556-7566.	6.5	26
201	Isolation, Structure Elucidation, and (Bio)Synthesis of Haprolid, a Cell-Type-Specific Myxobacterial Cytotoxin. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 10113-10117.	13.8	22
202	Isolierung, Strukturaufklärung und (Bio)Synthese von Haprolid, einem zellspezifisch zytotoxischen myxobakteriellen Makrolidnaturstoff. <i>Angewandte Chemie</i> , 2016, 128, 10267-10271.	2.0	7
203	Strategies for the Discovery and Development of New Antibiotics from Natural Products: Three Case Studies. <i>Current Topics in Microbiology and Immunology</i> , 2016, 398, 339-363.	1.1	18
204	Genetic engineering and heterologous expression of the disorazol biosynthetic gene cluster via Red/ET recombineering. <i>Scientific Reports</i> , 2016, 6, 21066.	3.3	34
205	Room temperature electrocompetent bacterial cells improve DNA transformation and recombineering efficiency. <i>Scientific Reports</i> , 2016, 6, 24648.	3.3	66
206	Crystal Structure of the HMG-CoA Synthase MvaS from the Gram-Negative Bacterium <i>Myxococcus xanthus</i> . <i>ChemBioChem</i> , 2016, 17, 1257-1262.	2.6	9
207	Discovery of the first small-molecule CsrA-RNA interaction inhibitors using biophysical screening technologies. <i>Future Medicinal Chemistry</i> , 2016, 8, 931-947.	2.3	33
208	Identification of entry inhibitors of Ebola virus pseudotyped vectors from a myxobacterial compound library. <i>Antiviral Research</i> , 2016, 132, 85-91.	4.1	16
209	RecET direct cloning and Red $\pm$ recombineering of biosynthetic gene clusters, large operons or single genes for heterologous expression. <i>Nature Protocols</i> , 2016, 11, 1175-1190.	12.0	132
210	Interrogation of <i>Streptomyces avermitilis</i> for efficient production of avermectins. <i>Synthetic and Systems Biotechnology</i> , 2016, 1, 7-16.	3.7	24
211	MDM2 antagonist nutlin $\beta$ sensitizes tumors to V $\beta$ ATPase inhibition. <i>Molecular Oncology</i> , 2016, 10, 1054-1062.	4.6	16
212	Inactivation of SACE_3446, a TetR family transcriptional regulator, stimulates erythromycin production in <i>Saccharopolyspora erythraea</i> . <i>Synthetic and Systems Biotechnology</i> , 2016, 1, 39-46.	3.7	21
213	Structure-function analysis for the hydroxylation of $^{14}$ C $^{21}$ steroids by the myxobacterial CYP260B1. <i>FEBS Letters</i> , 2016, 590, 1838-1851.	2.8	13
214	The Mechanism of Action of Lysobactin. <i>Journal of the American Chemical Society</i> , 2016, 138, 100-103.	13.7	58
215	Genome Analysis of the Fruiting Body-Forming Myxobacterium <i>Chondromyces crocatus</i> Reveals High Potential for Natural Product Biosynthesis. <i>Applied and Environmental Microbiology</i> , 2016, 82, 1945-1957.	3.1	37
216	Predictive Bioinformatic Assignment of Methyl-Bearing Stereocenters, Total Synthesis, and an Additional Molecular Target of Ajudazol B. <i>Journal of Organic Chemistry</i> , 2016, 81, 1333-1357.	3.2	18

#	ARTICLE	IF	CITATIONS
217	Overproduction of Magnetosomes by Genomic Amplification of Biosynthesis-Related Gene Clusters in a Magnetotactic Bacterium. <i>Applied and Environmental Microbiology</i> , 2016, 82, 3032-3041.	3.1	53
218	Cylindrofridins A–C, Linear Cyliindrocyclophane-Related Alkylresorcinols from the Cyanobacterium <i>Cylindrospermum stagnale</i> . <i>Journal of Natural Products</i> , 2016, 79, 106-115.	3.0	27
219	Metabolic engineering of <i>Pseudomonas putida</i> for production of docosahexaenoic acid based on a myxobacterial PUFA synthase. <i>Metabolic Engineering</i> , 2016, 33, 98-108.	7.0	29
220	Mutations improving production and secretion of extracellular lipase by <i>Burkholderia glumae</i> PG1. <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 1265-1273.	3.6	13
221	Structural Insights into Anthranilate Priming during Type II Polyketide Biosynthesis. <i>ACS Chemical Biology</i> , 2016, 11, 95-103.	3.4	25
222	<i>Aetherobacter fasciculatus</i> gen. nov., sp. nov. and <i>Aetherobacter rufus</i> sp. nov., novel myxobacteria with promising biotechnological applications. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2016, 66, 928-938.	1.7	40
223	<i>Racemicystis crocea</i> gen. nov., sp. nov., a soil myxobacterium in the family Polyangiaceae. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2016, 66, 2389-2395.	1.7	21
224	The transcriptional signature of human ovarian carcinoma macrophages is associated with extracellular matrix reorganization. <i>Oncotarget</i> , 2016, 7, 75339-75352.	1.8	79
225	Direct cloning and heterologous expression of the salinomycin biosynthetic gene cluster from <i>Streptomyces albus</i> DSM41398 in <i>Streptomyces coelicolor</i> A3(2). <i>Scientific Reports</i> , 2015, 5, 15081.	3.3	49
226	Advanced Mutasynthesis Studies on the Natural $\beta$ -Pyrone Antibiotic Myxopyronin from <i>Myxococcus fulvus</i> . <i>ChemBioChem</i> , 2015, 16, 946-953.	2.6	21
227	Production of the Bengamide Class of Marine Natural Products in Myxobacteria: Biosynthesis and Structure–Activity Relationships. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 15560-15564.	13.8	44
228	Pinensins: The First Antifungal Lantibiotics. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 11254-11258.	13.8	112
229	Two more pieces of the colibactin genotoxin puzzle from <i>Escherichia coli</i> show incorporation of an unusual 1-aminocyclopropanecarboxylic acid moiety. <i>Chemical Science</i> , 2015, 6, 3154-3160.	7.4	59
230	Biosynthetic Studies of Telomycin Reveal New Lipopeptides with Enhanced Activity. <i>Journal of the American Chemical Society</i> , 2015, 137, 7692-7705.	13.7	57
231	Targeting DnaN for tuberculosis therapy using novel griselimycins. <i>Science</i> , 2015, 348, 1106-1112.	12.6	262
232	Macyranones: Structure, Biosynthesis, and Binding Mode of an Unprecedented Epoxyketone that Targets the 20S Proteasome. <i>Journal of the American Chemical Society</i> , 2015, 137, 8121-8130.	13.7	34
233	Rational and efficient site-directed mutagenesis of adenylation domain alters relative yields of luminide derivatives in vivo. <i>Biotechnology and Bioengineering</i> , 2015, 112, 1343-1353.	3.3	22
234	Total and Semi-Syntheses of Antimicrobial Thuggacin Derivatives. <i>Chemistry - A European Journal</i> , 2015, 21, 4272-4284.	3.3	11

#	ARTICLE	IF	CITATIONS
235	Construction of a New Class of Tetracycline Lead Structures with Potent Antibacterial Activity through Biosynthetic Engineering. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 3937-3940.	13.8	45
236	Total Syntheses and Biological Evaluation of Miuraenamides. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 4502-4507.	13.8	44
237	Soraphen A: A Probe for Investigating the Role of de Novo Lipogenesis during Viral Infection. <i>ACS Infectious Diseases</i> , 2015, 1, 130-134.	3.8	12
238	Cystodienoic acid: a new diterpene isolated from the myxobacterium <i>Cystobacter</i> sp.. <i>Journal of Antibiotics</i> , 2015, 68, 473-475.	2.0	16
239	Anti-MRSA-acting carbamidocyclophanes from the Vietnamese cyanobacterium <i>Nostoc</i> sp. CAVN2. <i>Journal of Antibiotics</i> , 2015, 68, 165-177.	2.0	31
240	Cystochromones, Unusual Chromone-Containing Polyketides from the Myxobacterium <i>Cystobacter</i> sp. MCy9104. <i>Journal of Natural Products</i> , 2015, 78, 2023-2028.	3.0	14
241	antiSMASH 3.0: a comprehensive resource for the genome mining of biosynthetic gene clusters. <i>Nucleic Acids Research</i> , 2015, 43, W237-W243.	14.5	1,764
242	Soraphen A: A broad-spectrum antiviral natural product with potent anti-hepatitis C virus activity. <i>Journal of Hepatology</i> , 2015, 63, 813-821.	3.7	28
243	Synthesis and Biological Evaluation of Cystobactamid 507: A Bacterial Topoisomerase Inhibitor from <i>Cystobacter</i> sp.. <i>Synlett</i> , 2015, 26, 1175-1178.	1.8	20
244	A new recombineering system for <i>Photorhabdus</i> and <i>Xenorhabdus</i> . <i>Nucleic Acids Research</i> , 2015, 43, e36-e36.	14.5	54
245	Minimum Information about a Biosynthetic Gene cluster. <i>Nature Chemical Biology</i> , 2015, 11, 625-631.	8.0	715
246	Pharmacological targeting of membrane rigidity: implications on cancer cell migration and invasion. <i>New Journal of Physics</i> , 2015, 17, 083007.	2.9	37
247	Rickenyls, antioxidative terphenyls from the fungus <i>Hypoxylon rickii</i> (Xylariaceae, Ascomycota). <i>Phytochemistry</i> , 2015, 118, 68-73.	2.9	46
248	Two of a Kind: The Biosynthetic Pathways of Chlorotonil and Anthracimycin. <i>ACS Chemical Biology</i> , 2015, 10, 2480-2490.	3.4	26
249	Heterologous expression of an orphan NRPS gene cluster from <i>Paenibacillus larvae</i> in <i>Escherichia coli</i> revealed production of sevadicin. <i>Journal of Biotechnology</i> , 2015, 194, 112-114.	3.8	19
250	Albaflavenol B, a new sesquiterpene isolated from the terrestrial actinomycete, <i>Streptomyces</i> sp.. <i>Journal of Antibiotics</i> , 2015, 68, 286-288.	2.0	15
251	<i>Aggregicoccus edonensis</i> gen. nov., sp. nov., an unusually aggregating myxobacterium isolated from a soil sample. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2015, 65, 745-753.	1.7	26
252	Anti-leukemic effects of the V-ATPase inhibitor Archazolid A. <i>Oncotarget</i> , 2015, 6, 43508-43528.	1.8	26

#	ARTICLE	IF	CITATIONS
253	V-ATPase Inhibition Regulates Anoikis Resistance and Metastasis of Cancer Cells. <i>Molecular Cancer Therapeutics</i> , 2014, 13, 926-937.	4.1	64
254	Heterologous Production of Glidobactins/Luminmycins in <i>Escherichia coli</i> Nissle Containing the Glidobactin Biosynthetic Gene Cluster from <i>Burkholderia</i> DSM7029. <i>ChemBioChem</i> , 2014, 15, 2221-2224.	2.6	38
255	Cystobactamids: Myxobacterial Topoisomerase Inhibitors Exhibiting Potent Antibacterial Activity. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 14605-14609.	13.8	145
256	Binding Mode Characterization of Novel RNA Polymerase Inhibitors Using a Combined Biochemical and NMR Approach. <i>ACS Chemical Biology</i> , 2014, 9, 2656-2663.	3.4	15
257	Improving Natural Products Identification through Targeted LC-MS/MS in an Untargeted Secondary Metabolomics Workflow. <i>Analytical Chemistry</i> , 2014, 86, 10780-10788.	6.5	97
258	The Family Phaselicytidaceae. , 2014, , 239-245.		8
259	The Family Haliangiaceae. , 2014, , 173-181.		10
260	The Family Polyangiaceae. , 2014, , 247-279.		28
261	The Family Myxococcaceae. , 2014, , 191-212.		21
262	The Family Nannocystaceae. , 2014, , 213-229.		8
263	A highly unusual polyketide synthase directs dawenol polyene biosynthesis in <i>Stigmatella aurantiaca</i> . <i>Journal of Biotechnology</i> , 2014, 191, 54-63.	3.8	14
264	<i>Minicystis rosea</i> gen. nov., sp. nov., a polyunsaturated fatty acid-rich and steroid-producing soil myxobacterium. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2014, 64, 3733-3742.	1.7	45
265	In vitro and in vivo characterization of the actin polymerizing compound chondramide as an angiogenic inhibitor. <i>Cardiovascular Research</i> , 2014, 104, 303-314.	3.8	4
266	Biosynthesis of magnetic nanostructures in a foreign organism by transfer of bacterial magnetosome gene clusters. <i>Nature Nanotechnology</i> , 2014, 9, 193-197.	31.5	198
267	Secondary metabolomics: the impact of mass spectrometry-based approaches on the discovery and characterization of microbial natural products. <i>Natural Product Reports</i> , 2014, 31, 768.	10.3	125
268	Cystomanamides: Structure and Biosynthetic Pathway of a Family of Glycosylated Lipopeptides from Myxobacteria. <i>Organic Letters</i> , 2014, 16, 2414-2417.	4.6	24
269	Pyrronazols, Metabolites from the Myxobacteria <i>Nannocystis pusilla</i> and <i>N. exedens</i> , Are Unusual Chlorinated Pyrone-Oxazole-Pyrroles. <i>Journal of Natural Products</i> , 2014, 77, 320-326.	3.0	41
270	Simplified Pretubulysin Derivatives and Their Biological Effects on Cancer Cells. <i>Journal of Natural Products</i> , 2014, 77, 536-542.	3.0	21



#	ARTICLE	IF	CITATIONS
271	Improved seamless mutagenesis by recombineering using ccdB for counterselection. <i>Nucleic Acids Research</i> , 2014, 42, e37-e37.	14.5	113
272	Analytics of the therapeutic peptide aviptadil by sheathless CE-MS and comparison with nanoRP-HPLC-MS. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2014, 88, 477-482.	2.8	11
273	Polyunsaturated fatty acid biosynthesis in myxobacteria: different PUFA synthases and their product diversity. <i>Chemical Science</i> , 2014, 5, 1733.	7.4	56
274	Angiolactone, a new Butyrolactone isolated from the terrestrial myxobacterium, <i>Angiococcus</i> sp.. <i>Journal of Antibiotics</i> , 2014, 67, 725-726.	2.0	8
275	Nannozinones and Sorazinones, Unprecedented Pyrazinones from Myxobacteria. <i>Journal of Natural Products</i> , 2014, 77, 2545-2552.	3.0	44
276	Chemically Unprecedented Biocatalytic (AuaG) Retro[2,3]-Wittig Rearrangement: A New Insight into Aurachin B Biosynthesis. <i>ChemBioChem</i> , 2014, 15, 2349-2352.	2.6	17
277	Revealing the macromolecular targets of complex natural products. <i>Nature Chemistry</i> , 2014, 6, 1072-1078.	13.6	114
278	Precursor-directed biosynthesis of micacocidin derivatives with activity against <i>Mycoplasma pneumoniae</i> . <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 113-118.	2.8	21
279	Synthesis and Cytotoxic Activity of a Small Naphthoquinone Library: First Synthesis of Juglonbutin. <i>European Journal of Organic Chemistry</i> , 2014, 2014, 5318-5330.	2.4	8
280	Interactions of the natural product kendomycin and the 20S proteasome. <i>Journal of Molecular Biology</i> , 2014, 426, 3108-3117.	4.2	8
281	Biosynthesis of Crocacin Involves an Unusual Hydrolytic Release Domain Showing Similarity to Condensation Domains. <i>Chemistry and Biology</i> , 2014, 21, 855-865.	6.0	42
282	Paenilarvins: Iturin Family Lipopeptides from the Honey Bee Pathogen <i>Paenibacillus larvae</i> . <i>ChemBioChem</i> , 2014, 15, 1947-1955.	2.6	51
283	Hyalachelins A-C, Unusual Siderophores Isolated from the Terrestrial Myxobacterium <i>Hyalangium minutum</i> . <i>Organic Letters</i> , 2014, 16, 4130-4133.	4.6	43
284	Antimalarial Activity of the Myxobacterial Macrolide Chlorotonil A. <i>Antimicrobial Agents and Chemotherapy</i> , 2014, 58, 6378-6384.	3.2	43
285	Hyafurones, Hyapyrrolines, and Hyapyrones: Polyketides from <i>Hyalangium minutum</i> . <i>Journal of Natural Products</i> , 2014, 77, 1420-1429.	3.0	24
286	Targeting V-ATPase in primary human monocytes by archazolid potently represses the classical secretion of cytokines due to accumulation at the endoplasmic reticulum. <i>Biochemical Pharmacology</i> , 2014, 91, 490-500.	4.4	22
287	De novo fatty acid synthesis controls the fate between regulatory T and T helper 17 cells. <i>Nature Medicine</i> , 2014, 20, 1327-1333.	30.7	694
288	Disciformycins A and B: 12-Membered Macrolide Glycoside Antibiotics from the Myxobacterium <i>Pyxidicoccus fallax</i> Active against Multiresistant Staphylococci. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 13588-13591.	13.8	46

#	ARTICLE	IF	CITATIONS
289	Future potential for anti-infectives from bacteria – How to exploit biodiversity and genomic potential. <i>International Journal of Medical Microbiology</i> , 2014, 304, 3-13.	3.6	82
290	Indothiazinone, an Indolyl Thiazolyl Ketone from a Novel Myxobacterium Belonging to the Sorangiineae. <i>Journal of Natural Products</i> , 2014, 77, 1054-1060.	3.0	27
291	Oleamycins A and B: new antibacterial cyclic hexadepsipeptides isolated from a terrestrial <i>Streptomyces</i> sp.. <i>Journal of Antibiotics</i> , 2014, 67, 339-343.	2.0	21
292	VαATPase inhibition overcomes trastuzumab resistance in breast cancer. <i>Molecular Oncology</i> , 2014, 8, 9-19.	4.6	54
293	Modular Construction of a Functional Artificial Epothilone Polyketide Pathway. <i>ACS Synthetic Biology</i> , 2014, 3, 759-772.	3.8	43
294	Elevated free cholesterol in a p62 overexpression model of non-alcoholic steatohepatitis. <i>World Journal of Gastroenterology</i> , 2014, 20, 17839-17850.	3.3	28
295	Structure Optimization of 2-Benzamidobenzoic Acids as PqsD Inhibitors for <i>Pseudomonas aeruginosa</i> Infections and Elucidation of Binding Mode by SPR, STD NMR, and Molecular Docking. <i>Journal of Medicinal Chemistry</i> , 2013, 56, 6146-6155.	6.4	52
296	Lorneic acids C and D, new trialkyl-substituted aromatic acids isolated from a terrestrial <i>Streptomyces</i> sp.. <i>Journal of Antibiotics</i> , 2013, 66, 347-349.	2.0	10
297	High-Titer Heterologous Production in <i>E. coli</i> of Lyngbyatoxin, a Protein Kinase C Activator from an Uncultured Marine Cyanobacterium. <i>ACS Chemical Biology</i> , 2013, 8, 1888-1893.	3.4	77
298	Discovery and Biological Activity of New Chondramides from <i>Chondromyces</i> sp.. <i>ChemBioChem</i> , 2013, 14, 1573-1580.	2.6	23
299	Combining in Silico and Biophysical Methods for the Development of <i>Pseudomonas aeruginosa</i> Quorum Sensing Inhibitors: An Alternative Approach for Structure-Based Drug Design. <i>Journal of Medicinal Chemistry</i> , 2013, 56, 8656-8664.	6.4	40
300	Concerted Action of P450 Plus Helper Protein To Form the Amino-hydroxy-piperidone Moiety of the Potent Protease Inhibitor Crocapeptin. <i>Journal of the American Chemical Society</i> , 2013, 135, 16885-16894.	13.7	27
301	In Vivo Evidence for a Prodrug Activation Mechanism during Colibactin Maturation. <i>ChemBioChem</i> , 2013, 14, 1194-1197.	2.6	101
302	Exploring Chemical Diversity of ß-Pyrone Antibiotics: Molecular Basis of Myxopyronin Biosynthesis. <i>ChemBioChem</i> , 2013, 14, 1581-1589.	2.6	40
303	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
304	Activity-guided screening of bioactive natural compounds implementing a new glucocorticoid-receptor-translocation assay and detection of new anti-inflammatory steroids from bacteria. <i>Biotechnology Letters</i> , 2013, 35, 11-20.	2.2	6
305	Total Synthesis and Antibacterial Activity of Dysidavarone A. <i>Organic Letters</i> , 2013, 15, 964-967.	4.6	39
306	An Alternative Isovaleryl CoA Biosynthetic Pathway Involving a Previously Unknown ß-Methylglutaconyl CoA Decarboxylase. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 1304-1308.	13.8	31

#	ARTICLE	IF	CITATIONS
307	Rubimycinone A, a new anthraquinone from a terrestrial <i>Streptomyces</i> sp.. <i>Tetrahedron Letters</i> , 2013, 54, 900-902.	1.4	8
308	Isolation, Structure Elucidation, and Biological Activity of Maltepolides: Remarkable Macrolides from Myxobacteria. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 5402-5405.	13.8	24
309	Oleaceran: A Novel Spiro[isobenzofuran-1,2-naphtho[1,8-f]furan] Isolated from a Terrestrial <i>Streptomyces</i> sp.. <i>Organic Letters</i> , 2013, 15, 3487-3489.	4.6	23
310	Recent advances in the heterologous expression of microbial natural product biosynthetic pathways. <i>Natural Product Reports</i> , 2013, 30, 1121.	10.3	180
311	Jahnellamides, Î±-Keto-Î²-Methionine-Containing Peptides from the Terrestrial Myxobacterium <i>Jahnella</i> sp.: Structure and Biosynthesis. <i>Organic Letters</i> , 2013, 15, 5882-5885.	4.6	23
312	Elucidation of Gephyronic Acid Biosynthetic Pathway Revealed Unexpected SAM-Dependent Methylations. <i>Journal of Natural Products</i> , 2013, 76, 2269-2276.	3.0	29
313	Microsclerodermins from Terrestrial Myxobacteria: An Intriguing Biosynthesis Likely Connected to a Sponge Symbiont. <i>Journal of the American Chemical Society</i> , 2013, 135, 16904-16911.	13.7	44
314	Biochemical and Biophysical Analysis of a Chiral PqsD Inhibitor Revealing Tight-binding Behavior and Enantiomers with Contrary Thermodynamic Signatures. <i>ACS Chemical Biology</i> , 2013, 8, 2794-2801.	3.4	24
315	Synthesis and biological activities of the respiratory chain inhibitor aurachin D and new ring versus chain analogues. <i>Bellstein Journal of Organic Chemistry</i> , 2013, 9, 1551-1558.	2.2	40
316	Myxobacterium-Produced Antibiotic TA (Myxovirescin) Inhibits Type II Signal Peptidase. <i>Antimicrobial Agents and Chemotherapy</i> , 2012, 56, 2014-2021.	3.2	101
317	Juniperolide A: A New Polyketide Isolated from a Terrestrial Actinomycete, <i>Streptomyces</i> sp.. <i>Organic Letters</i> , 2012, 14, 5860-5863.	4.6	15
318	The V-ATPase-Inhibitor Archazolid Abrogates Tumor Metastasis via Inhibition of Endocytic Activation of the Rho-GTPase Rac1. <i>Cancer Research</i> , 2012, 72, 5976-5987.	0.9	94
319	Full Stereochemical Determination of Ajudazols A and B by Bioinformatics Gene Cluster Analysis and Total Synthesis of Ajudazol B by an Asymmetric Ortholithiation Strategy. <i>Journal of the American Chemical Society</i> , 2012, 134, 19362-19365.	13.7	61
320	Synthetic Biotechnology to Study and Engineer Ribosomal Botromycin Biosynthesis. <i>Chemistry and Biology</i> , 2012, 19, 1278-1287.	6.0	118
321	Enhancer Binding Proteins Act as Hetero-oligomers and Link Secondary Metabolite Production to Myxococcal Development, Motility, and Predation. <i>Chemistry and Biology</i> , 2012, 19, 1447-1459.	6.0	35
322	Leopolic acid A, isolated from a terrestrial actinomycete, <i>Streptomyces</i> sp.. <i>Tetrahedron Letters</i> , 2012, 53, 6300-6301.	1.4	18
323	Aetheramides A and B, Potent HIV-Inhibitory Depsipeptides from a Myxobacterium of the New Genus <i>Aetherobacter</i> . <i>Organic Letters</i> , 2012, 14, 2854-2857.	4.6	53
324	Stereoselective Synthesis of Deuterium-Labeled (2S)-Cyclohexenyl Alanines, Biosynthetic Intermediates of Cinnabaramide. <i>Organic Letters</i> , 2012, 14, 6064-6067.	4.6	8

#	ARTICLE	IF	CITATIONS
325	Luminmycins Aâ€“C, Cryptic Natural Products from <i>Photobacterium luminescens</i> Identified by Heterologous Expression in <i>Escherichia coli</i> . <i>Journal of Natural Products</i> , 2012, 75, 1652-1655.	3.0	48
326	Indiacens A and B: Prenyl Indoles from the Myxobacterium <i>Sandaracinus amylolyticus</i> . <i>Journal of Natural Products</i> , 2012, 75, 1803-1805.	3.0	39
327	A Semipinacol Rearrangement Directed by an Enzymatic System Featuring Dual-Function FAD-Dependent Monooxygenase. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 9437-9440.	13.8	27
328	Mutation in Elongation Factor G Confers Resistance to the Antibiotic Argyrin in the Opportunistic Pathogen <i>Pseudomonas aeruginosa</i> . <i>ChemBioChem</i> , 2012, 13, 2339-2345.	2.6	30
329	Methods to optimize myxobacterial fermentations using off-gas analysis. <i>Microbial Cell Factories</i> , 2012, 11, 59.	4.0	8
330	Anti-angiogenic effects of the tubulysin precursor pretubulysin and of simplified pretubulysin derivatives. <i>British Journal of Pharmacology</i> , 2012, 167, 1048-1061.	5.4	38
331	Unusual carbon fixation gives rise to diverse polyketide extender units. <i>Nature Chemical Biology</i> , 2012, 8, 117-124.	8.0	63
332	<i>Sandaracinus amylolyticus</i> gen. nov., sp. nov., a starch-degrading soil myxobacterium, and description of Sandaracinaceae fam. nov.. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2012, 62, 1191-1198.	1.7	80
333	Hyaladione, an <i>S</i> -Methyl Cyclohexadiene-dione from <i>Hyalangium minutum</i> . <i>Journal of Natural Products</i> , 2012, 75, 768-770.	3.0	23
334	The Interplay of Lung Surfactant Proteins and Lipids Assimilates the Macrophage Clearance of Nanoparticles. <i>PLoS ONE</i> , 2012, 7, e40775.	2.5	123
335	Full-length RecE enhances linear-linear homologous recombination and facilitates direct cloning for bioprospecting. <i>Nature Biotechnology</i> , 2012, 30, 440-446.	17.5	375
336	Identification of Small-Molecule Antagonists of the <i>Pseudomonas aeruginosa</i> Transcriptional Regulator PqsR: Biophysically Guided Hit Discovery and Optimization. <i>ACS Chemical Biology</i> , 2012, 7, 1496-1501.	3.4	69
337	Pellasuren: Structure Elucidation, Biosynthesis, and Total Synthesis of a Cytotoxic Secondary Metabolite from <i>Sorangium cellulosum</i> . <i>Angewandte Chemie - International Edition</i> , 2012, 51, 5239-5243.	13.8	55
338	Precursor-Directed Syntheses and Biological Evaluation of New Elansolid Derivatives. <i>ChemBioChem</i> , 2012, 13, 1813-1817.	2.6	22
339	Direct Cloning, Genetic Engineering, and Heterologous Expression of the Syringolin Biosynthetic Gene Cluster in <i>E. coli</i> through Red/ET Recombineering. <i>ChemBioChem</i> , 2012, 13, 1946-1952.	2.6	66
340	Sulfangolids, Macrolide Sulfate Esters from <i>Sorangium cellulosum</i> . <i>Chemistry - A European Journal</i> , 2012, 18, 6264-6271.	3.3	18
341	Heterologous Expression and Genetic Engineering of the Tubulysin Biosynthetic Gene Cluster Using Red/ET Recombineering and Inactivation Mutagenesis. <i>Chemistry and Biology</i> , 2012, 19, 361-371.	6.0	57
342	Pimprinols Aâ€“C, from the terrestrial actinomycete, <i>Streptomyces</i> sp.. <i>Tetrahedron Letters</i> , 2012, 53, 3009-3011.	1.4	23

#	ARTICLE	IF	CITATIONS
343	Discovery of the Rhizopodin Biosynthetic Gene Cluster in <i>Stigmatella aurantiaca</i> Sg a15 by Genome Mining. <i>ChemBioChem</i> , 2012, 13, 416-426.	2.6	38
344	Myxoprincomide: A Natural Product from <i>Myxococcus xanthus</i> Discovered by Comprehensive Analysis of the Secondary Metabolome. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 811-816.	13.8	100
345	Isolation and Total Synthesis of Icumazoles and Noricumazoles—Antifungal Antibiotics and Cation-Channel Blockers from <i>Sorangium cellulosum</i> . <i>Angewandte Chemie - International Edition</i> , 2012, 51, 1256-1260.	13.8	34
346	Pretubulysin: From Hypothetical Biosynthetic Intermediate to Potential Lead in Tumor Therapy. <i>PLoS ONE</i> , 2012, 7, e37416.	2.5	34
347	Unprecedented Anthranilate Priming Involving Two Enzymes of the Acyl Adenylating Superfamily in Aurachin Biosynthesis. <i>Journal of the American Chemical Society</i> , 2011, 133, 12362-12365.	13.7	27
348	Molluscicidal Metabolites from an Assemblage of Palmyra Atoll Cyanobacteria. <i>Journal of Natural Products</i> , 2011, 74, 1175-1181.	3.0	35
349	Fatty Acid-Related Phylogeny of Myxobacteria as an Approach to Discover Polyunsaturated Omega-3/6 Fatty Acids. <i>Journal of Bacteriology</i> , 2011, 193, 1930-1942.	2.2	54
350	A Highly Conjugated Dihydroxylated C <sub>28</sub> Steroid from a Myxobacterium. <i>Journal of Natural Products</i> , 2011, 74, 1281-1283.	3.0	25
351	Marinoquinolines A-F, Pyrroloquinolines from <i>Ohtaekwangia kribbensis</i> (Bacteroidetes). <i>Journal of Natural Products</i> , 2011, 74, 603-608.	3.0	109
352	Insights into the complex biosynthesis of the leupyrrins in <i>Sorangium cellulosum</i> So ce690. <i>Molecular BioSystems</i> , 2011, 7, 1549.	2.9	35
353	Completing the puzzle of aurachin biosynthesis in <i>Stigmatella aurantiaca</i> Sg a15. <i>Molecular BioSystems</i> , 2011, 7, 3308.	2.9	45
354	p-Hydroxyacetophenone Amides from <i>Cystobacter ferrugineus</i> , strain Cb G35. <i>Journal of Natural Products</i> , 2011, 74, 1358-1363.	3.0	9
355	Investigation of cytochromes P450 in myxobacteria: Excavation of cytochromes P450 from the genome of <i>Sorangium cellulosum</i> So ce56. <i>FEBS Letters</i> , 2011, 585, 1506-1513.	2.8	13
356	Syntheses and Evaluation of Simplified Pretubulysin Analogues. <i>European Journal of Organic Chemistry</i> , 2011, 2011, 3050-3059.	2.4	31
357	Elansolid A, a Unique Macrolide Antibiotic from <i>Chitinophaga sancti</i> Isolated as Two Stable Atropisomers. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 532-536.	13.8	45
358	Molecular Basis of Elansolid Biosynthesis: Evidence for an Unprecedented Quinone Methide Initiated Intramolecular Diels-Alder Cycloaddition/Macrolactonization. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 3882-3887.	13.8	78
359	Roimatacene: An Antibiotic against Gram-Negative Bacteria Isolated from <i>Cystobacter ferrugineus</i> Cb G35 (Myxobacteria). <i>Chemistry - A European Journal</i> , 2011, 17, 7875-7881.	3.3	21
360	Elansolid A3, a Unique p-Quinone Methide Antibiotic from <i>Chitinophaga sancti</i> . <i>Chemistry - A European Journal</i> , 2011, 17, 7739-7744.	3.3	73

#	ARTICLE	IF	CITATIONS
361	Biosynthesis of 2-Alkyl-4-Hydroxyquinolones in <i>Pseudomonas aeruginosa</i> : Potential for Therapeutic Interference with Pathogenicity. <i>ChemBioChem</i> , 2011, 12, 850-853.	2.6	45
362	Mining the Cinnabaramide Biosynthetic Pathway to Generate Novel Proteasome Inhibitors. <i>ChemBioChem</i> , 2011, 12, 922-931.	2.6	44
363	Identification and Characterization of the Althiomycin Biosynthetic Gene Cluster in <i>Myxococcus xanthus</i> DK897. <i>ChemBioChem</i> , 2011, 12, 1411-1416.	2.6	37
364	AuaA, a Membrane-Bound Farnesyltransferase from <i>Stigmatella aurantiaca</i> , Catalyzes the Prenylation of 4-Methyl-4-hydroxyquinoline in the Biosynthesis of Aurachins. <i>ChemBioChem</i> , 2011, 12, 1724-1730.	2.6	27
365	Cytotoxic Fatty Acid Amides from <i>Xenorhabdus</i> . <i>ChemBioChem</i> , 2011, 12, 2011-2015.	2.6	23
366	Comparative Genomic Analysis of Fruiting Body Formation in Myxococcales. <i>Molecular Biology and Evolution</i> , 2011, 28, 1083-1097.	8.9	111
367	Carolacton – A Macrolide Ketocarboxylic Acid that Reduces Biofilm Formation by the Caries- and Endocarditis-Associated Bacterium <i>Streptococcus mutans</i> . <i>European Journal of Organic Chemistry</i> , 2010, 2010, 1284-1289.	2.4	59
368	Isolation and Synthesis of Chivotriene, a Chivosazole Shunt Product from <i>Sorangium cellulosum</i> . <i>European Journal of Organic Chemistry</i> , 2010, 2010, 5155-5159.	2.4	7
369	An Unusual Thioesterase Promotes Isochromanone Ring Formation in Ajudazol Biosynthesis. <i>ChemBioChem</i> , 2010, 11, 1137-1146.	2.6	35
370	Biosynthesis of the Myxobacterial Antibiotic Corallopyronin A. <i>ChemBioChem</i> , 2010, 11, 1253-1265.	2.6	95
371	Insights into Multienzyme Docking in Hybrid PKS-NRPS Megasyntetases Revealed by Heterologous Expression and Genetic Engineering. <i>ChemBioChem</i> , 2010, 11, 1069-1075.	2.6	14
372	Functions of Genes and Enzymes Involved in Phenalinolactone Biosynthesis. <i>ChemBioChem</i> , 2010, 11, 1383-1391.	2.6	14
373	The Biosynthesis of the Aroma Volatile 2-Methyltetrahydrothiophen-3-one in the Bacterium <i>Chitinophaga</i> Fx7914. <i>ChemBioChem</i> , 2010, 11, 1914-1919.	2.6	25
374	Analysis of the Sorangicin Gene Cluster Reinforces the Utility of a Combined Phylogenetic/Retrobiosynthetic Analysis for Deciphering Natural Product Assembly by <i>trans</i> -AT PKS. <i>ChemBioChem</i> , 2010, 11, 1840-1849.	2.6	64
375	Expanded phylogeny of myxobacteria and evidence for cultivation of the “unculturables”™. <i>Molecular Phylogenetics and Evolution</i> , 2010, 57, 878-887.	2.7	80
376	Discovery of 23 Natural Tubulysins from <i>Angiococcus disciformis</i> An d48 and <i>Cystobacter</i> SBCb004. <i>Chemistry and Biology</i> , 2010, 17, 296-309.	6.0	57
377	Biosynthesis of Thuggacins in Myxobacteria: Comparative Cluster Analysis Reveals Basis for Natural Product Structural Diversity. <i>Chemistry and Biology</i> , 2010, 17, 342-356.	6.0	54
378	The CYPome of <i>Sorangium cellulosum</i> So ce56 and Identification of CYP109D1 as a New Fatty Acid Hydroxylase. <i>Chemistry and Biology</i> , 2010, 17, 1295-1305.	6.0	50

#	ARTICLE	IF	CITATIONS
379	Characterization of a Novel Type of Oxidative Decarboxylase Involved in the Biosynthesis of the Styryl Moiety of Chondrochloren from an Acylated Tyrosine. <i>Journal of Biological Chemistry</i> , 2010, 285, 12482-12489.	3.4	12
380	Insights into an Unusual Nonribosomal Peptide Synthetase Biosynthesis. <i>Journal of Biological Chemistry</i> , 2010, 285, 32710-32719.	3.4	34
381	Myxobacterial secondary metabolites: bioactivities and modes-of-action. <i>Natural Product Reports</i> , 2010, 27, 1276.	10.3	263
382	<i>Phaselicystis flava</i> gen. nov., sp. nov., an arachidonic acid-containing soil myxobacterium, and the description of <i>Phaselicystidaceae</i> fam. nov.. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2009, 59, 1524-1530.	1.7	47
383	Genome Mining in <i>Sorangium cellulosum</i> So ce56. <i>Journal of Biological Chemistry</i> , 2009, 284, 28590-28598.	3.4	38
384	Human CYP4Z1 catalyzes the in-chain hydroxylation of lauric acid and myristic acid. <i>Biological Chemistry</i> , 2009, 390, 313-317.	2.5	49
385	Discovery of Additional Members of the Tyrosine Aminomutase Enzyme Family and the Mutational Analysis of CmdF. <i>ChemBioChem</i> , 2009, 10, 741-750.	2.6	53
386	Synthesis and Biological Evaluation of Pretubulysin and Derivatives. <i>European Journal of Organic Chemistry</i> , 2009, 2009, 6367-6378.	2.4	66
387	Pretubulysin, a Potent and Chemically Accessible Tubulysin Precursor from <i>Angiococcus disciformis</i> . <i>Angewandte Chemie - International Edition</i> , 2009, 48, 4422-4425.	13.8	81
388	Unusual Chemistry in the Biosynthesis of the Antibiotic Chondrochlorens. <i>Chemistry and Biology</i> , 2009, 16, 70-81.	6.0	50
389	A brief tour of myxobacterial secondary metabolism. <i>Bioorganic and Medicinal Chemistry</i> , 2009, 17, 2121-2136.	3.0	113
390	Structure and Action of the Myxobacterial Chondrochloren Halogenase CndH: A New Variant of FAD-dependent Halogenases. <i>Journal of Molecular Biology</i> , 2009, 385, 520-530.	4.2	60
391	Proteome Analysis of <i>Sorangium cellulosum</i> Employing 2D-HPLC-MS/MS and Improved Database Searching Strategies for CID and ETD Fragment Spectra. <i>Journal of Proteome Research</i> , 2009, 8, 4350-4361.	3.7	11
392	Novel expression hosts for complex secondary metabolite megasynthetases: Production of myxochromide in the thermophilic isolate <i>Corallocooccus macrosporus</i> GT-2. <i>Microbial Cell Factories</i> , 2009, 8, 1.	4.0	110
393	The impact of genomics on the exploitation of the myxobacterial secondary metabolome. <i>Natural Product Reports</i> , 2009, 26, 1385.	10.3	100
394	Myxobacteria – microbial factories™ for the production of bioactive secondary metabolites. <i>Molecular BioSystems</i> , 2009, 5, 567.	2.9	127
395	Chapter 3 Discovering Natural Products from Myxobacteria with Emphasis on Rare Producer Strains in Combination with Improved Analytical Methods. <i>Methods in Enzymology</i> , 2009, 458, 59-91.	1.0	45
396	Heterologous Expression And Genetic Engineering of the Phenalinolactone Biosynthetic Gene Cluster by Using Red/ET Recombineering. <i>ChemBioChem</i> , 2008, 9, 447-454.	2.6	44

#	ARTICLE	IF	CITATIONS
397	Protein-Protein Interactions in Multienzyme Megasynthetases. <i>ChemBioChem</i> , 2008, 9, 826-848.	2.6	118
398	Two Functionally Redundant Sfp-Type 4-Phosphopantetheinyl Transferases Differentially Activate Biosynthetic Pathways in <i>Myxococcus xanthus</i> . <i>ChemBioChem</i> , 2008, 9, 1549-1553.	2.6	24
399	A Type I/Type III Polyketide Synthase Hybrid Biosynthetic Pathway for the Structurally Unique <i>ansamycin</i> Compound <i>Kendomycin</i> . <i>ChemBioChem</i> , 2008, 9, 2711-2721.	2.6	49
400	Stereochemical Determination of Thuggacins A-C, Highly Active Antibiotics from the Myxobacterium <i>Sorangium cellulosum</i> . <i>Angewandte Chemie - International Edition</i> , 2008, 47, 2308-2311.	13.8	46
401	Production of the Antifungal Isochromanone <i>Ajudazols A and B</i> in <i>Chondromyces crocatus</i> : Biosynthetic Machinery and Cytochrome P450 Modifications. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 4595-4599.	13.8	42
402	Crystal Structure of a Molecular Assembly Line. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 8344-8346.	13.8	4
403	Efficient mining of myxobacterial metabolite profiles enabled by liquid chromatography-electrospray ionisation-time-of-flight mass spectrometry and compound-based principal component analysis. <i>Analytica Chimica Acta</i> , 2008, 624, 97-106.	5.4	62
404	DKxanthene Biosynthesis: Understanding the Basis for Diversity-Oriented Synthesis in Myxobacterial Secondary Metabolism. <i>Chemistry and Biology</i> , 2008, 15, 771-781.	6.0	60
405	Isolation and structure revision of the actin-binding macrolide rhizopodin from <i>Myxococcus stipitatus</i> (Myxobacteria). <i>Tetrahedron Letters</i> , 2008, 49, 5796-5799.	1.4	46
406	Mutation in the <i>rel</i> gene of <i>Sorangium cellulosum</i> affects morphological and physiological differentiation. <i>Molecular Microbiology</i> , 2008, 69, 254-266.	2.5	13
407	Substrate specificity of the acyl transferase domains of EpoC from the epothilone polyketide synthase. <i>Organic and Biomolecular Chemistry</i> , 2008, 6, 500-506.	2.8	46
408	Stereochemical Determination and Complex Biosynthetic Assembly of Etnangien, a Highly Potent RNA Polymerase Inhibitor from the Myxobacterium <i>Sorangium cellulosum</i> . <i>Journal of the American Chemical Society</i> , 2008, 130, 14234-14243.	13.7	110
409	Discovering the Hidden Secondary Metabolome of <i>Myxococcus xanthus</i> : a Study of Intraspecific Diversity. <i>Applied and Environmental Microbiology</i> , 2008, 74, 3058-3068.	3.1	133
410	Identification of (8S,9S,10S)-8,10-Dimethyl-1-octalin, a Key Intermediate in the Biosynthesis of Geosmin in Bacteria. <i>Journal of the American Chemical Society</i> , 2008, 130, 430-431.	13.7	42
411	Efficient transfer of two large secondary metabolite pathway gene clusters into heterologous hosts by transposition. <i>Nucleic Acids Research</i> , 2008, 36, e113-e113.	14.5	128
412	Biosynthesis of (R)- $\beta$ -Tyrosine and Its Incorporation into the Highly Cytotoxic Chondramides Produced by <i>Chondromyces crocatus</i> . <i>Journal of Biological Chemistry</i> , 2007, 282, 21810-21817.	3.4	46
413	GeneTrail-advanced gene set enrichment analysis. <i>Nucleic Acids Research</i> , 2007, 35, W186-W192.	14.5	321
414	From Genetic Diversity to Metabolic Unity: Studies on the Biosynthesis of Aurafurones and Aurafuron-like Structures in Myxobacteria and Streptomyces. <i>Journal of Molecular Biology</i> , 2007, 374, 24-38.	4.2	52



#	ARTICLE	IF	CITATIONS
415	Myxobacterial natural product assembly lines: fascinating examples of curious biochemistry. <i>Natural Product Reports</i> , 2007, 24, 1211.	10.3	90
416	3-Hydroxy-3-Methylglutaryl-CoA-Like Synthases Direct the Formation of Methyl and Ethyl Side Groups in the Biosynthesis of the Antibiotic Myxovirescin A. <i>ChemBioChem</i> , 2007, 8, 497-500.	2.6	43
417	SorF: A Glycosyltransferase With Promiscuous Donor Substrate Specificity in vitro. <i>ChemBioChem</i> , 2007, 8, 813-819.	2.6	23
418	Evidence for the Mode of Action of the Highly Cytotoxic <i>Streptomyces</i> Polyketide Kendomycin. <i>ChemBioChem</i> , 2007, 8, 1261-1272.	2.6	28
419	Mutational Analysis of the Myxovirescin Biosynthetic Gene Cluster Reveals Novel Insights into the Functional Elaboration of Polyketide Backbones. <i>ChemBioChem</i> , 2007, 8, 1273-1280.	2.6	35
420	Mutasynthesis-Derived Myxalamids and Origin of the Isobutyryl-CoA Starter Unit of Myxalamid B. <i>ChemBioChem</i> , 2007, 8, 2139-2144.	2.6	33
421	A Type-II Polyketide Synthase from the Gram-Negative Bacterium <i>Stigmatella aurantiaca</i> Is Involved in Aurachin Alkaloid Biosynthesis. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 2712-2716.	13.8	73
422	Reversible Sugar Transfer by Glycosyltransferases as a Tool for Natural Product (Bio)synthesis. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 2147-2150.	13.8	18
423	Chivosazole... Elucidation of the Absolute and Relative Configuration. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 4898-4901.	13.8	81
424	Biosynthesis of the Off-Flavor 2-Methylisoborneol by the Myxobacterium <i>Nannocystis exedens</i> . <i>Angewandte Chemie - International Edition</i> , 2007, 46, 8287-8290.	13.8	99
425	Aurachin-Biosynthese im Gram-negativen Bakterium <i>Stigmatella aurantiaca</i> : Beteiligung einer Typ-II-Polyketidsynthase. <i>Angewandte Chemie</i> , 2007, 119, 2768-2772.	2.0	22
426	An Enzyme Module System for in situ Regeneration of Deoxythymidine 5'-Diphosphate (dTDP)-Activated Deoxy Sugars. <i>Advanced Synthesis and Catalysis</i> , 2007, 349, 1489-1496.	4.3	25
427	Spiroketal Polyketide Formation in <i>Sorangium</i> : Identification and Analysis of the Biosynthetic Gene Cluster for the Highly Cytotoxic Spirangienes. <i>Chemistry and Biology</i> , 2007, 14, 221-233.	6.0	62
428	Complete genome sequence of the myxobacterium <i>Sorangium cellulosum</i> . <i>Nature Biotechnology</i> , 2007, 25, 1281-1289.	17.5	354
429	Deciphering regulatory mechanisms for secondary metabolite production in the myxobacterium <i>Sorangium cellulosum</i> So ce56. <i>Molecular Microbiology</i> , 2007, 63, 1783-1796.	2.5	46
430	Identification of StiR, the first regulator of secondary metabolite formation in the myxobacterium <i>Cystobacter fuscus</i> Cb f17.1. <i>Journal of Biotechnology</i> , 2006, 121, 429-441.	3.8	17
431	Establishment of a real-time PCR protocol for expression studies of secondary metabolite biosynthetic gene clusters in the G/C-rich myxobacterium <i>Sorangium cellulosum</i> So ce56. <i>Journal of Biotechnology</i> , 2006, 121, 201-212.	3.8	19
432	Identification and analysis of the chivosazol biosynthetic gene cluster from the myxobacterial model strain <i>Sorangium cellulosum</i> So ce56. <i>Journal of Biotechnology</i> , 2006, 121, 174-191.	3.8	104

#	ARTICLE	IF	CITATIONS
433	Development of simple media which allow investigations into the global regulation of chivosazol biosynthesis with <i>Sorangium cellulosum</i> So ce56. <i>Journal of Biotechnology</i> , 2006, 121, 192-200.	3.8	24
434	On the Biosynthetic Origin of Methoxymalonyl-Acyl Carrier Protein, the Substrate for Incorporation of Glycolate Units into Ansamitocin and Soraphen A. <i>Journal of the American Chemical Society</i> , 2006, 128, 14325-14336.	13.7	72
435	Proteome Analysis of <i>Myxococcus xanthus</i> by Off-Line Two-Dimensional Chromatographic Separation Using Monolithic Poly-(styrene-divinylbenzene) Columns Combined with Ion-Trap Tandem Mass Spectrometry. <i>Journal of Proteome Research</i> , 2006, 5, 2760-2768.	3.7	72
436	Molecular and Biochemical Studies of Chondramide Formation Highly Cytotoxic Natural Products from <i>Chondromyces crocatus</i> Cm c5. <i>Chemistry and Biology</i> , 2006, 13, 667-681.	6.0	90
437	Metabolic Engineering of <i>Pseudomonas putida</i> for Methylmalonyl-CoA Biosynthesis to Enable Complex Heterologous Secondary Metabolite Formation. <i>Chemistry and Biology</i> , 2006, 13, 1253-1264.	6.0	66
438	Metabolic physiology of <i>Pseudomonas putida</i> for heterologous production of myxochromide. <i>Process Biochemistry</i> , 2006, 41, 2146-2152.	3.7	15
439	Analysis of myxobacterial secondary metabolism goes molecular. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2006, 33, 577-588.	3.0	71
440	Bacterial type III polyketide synthases: phylogenetic analysis and potential for the production of novel secondary metabolites by heterologous expression in pseudomonads. <i>Archives of Microbiology</i> , 2006, 185, 28-38.	2.2	102
441	A Unique Mechanism for Methyl Ester Formation via an Amide Intermediate Found in Myxobacteria. <i>ChemBioChem</i> , 2006, 7, 1197-1205.	2.6	13
442	Myxovirescins A Biosynthesis is Directed by Hybrid Polyketide Synthases/Nonribosomal Peptide Synthetase, 3-Hydroxy-3-Methylglutaryl-CoA Synthases, and trans-Acting Acyltransferases. <i>ChemBioChem</i> , 2006, 7, 1206-1220.	2.6	131
443	Nonribosomal Peptide Biosynthesis: Point Mutations and Module Skipping Lead to Chemical Diversity. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 2296-2301.	13.8	96
444	3-Hydroxy-3-Methylglutaryl-Coenzyme A (CoA) Synthase Is Involved in Biosynthesis of Isovaleryl-CoA in the Myxobacterium <i>Myxococcus xanthus</i> during Fruiting Body Formation. <i>Journal of Bacteriology</i> , 2006, 188, 6524-6528.	2.2	48
445	Reconstitution of the Myxothiazol Biosynthetic Gene Cluster by Red/ET Recombination and Heterologous Expression in <i>Myxococcus xanthus</i> . <i>Applied and Environmental Microbiology</i> , 2006, 72, 7485-7494.	3.1	81
446	The unique DKxanthene secondary metabolite family from the myxobacterium <i>Myxococcus xanthus</i> is required for developmental sporulation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 19128-19133.	7.1	96
447	Genes and Enzymes Involved in Caffeic Acid Biosynthesis in the Actinomycete <i>Saccharothrix espanaensis</i> . <i>Journal of Bacteriology</i> , 2006, 188, 2666-2673.	2.2	138
448	Formation of novel secondary metabolites by bacterial multimodular assembly lines: deviations from textbook biosynthetic logic. <i>Current Opinion in Chemical Biology</i> , 2005, 9, 447-458.	6.1	123
449	Heterologous Expression of a Myxobacterial Natural Products Assembly Line in Pseudomonads via Red/ET Recombineering. <i>Chemistry and Biology</i> , 2005, 12, 349-356.	6.0	176
450	Recent developments towards the heterologous expression of complex bacterial natural product biosynthetic pathways. <i>Current Opinion in Biotechnology</i> , 2005, 16, 594-606.	6.6	173

#	ARTICLE	IF	CITATIONS
451	Moderately thermophilic Myxobacteria: novel potential for the production of natural products isolation and characterization. <i>Environmental Microbiology</i> , 2005, 7, 874-880.	3.8	27
452	The Impact of Bacterial Genomics on Natural Product Research. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 6828-6846.	13.8	221
453	Novel Insights into Siderophore Formation in Myxobacteria. <i>ChemBioChem</i> , 2005, 6, 365-374.	2.6	32
454	Structure and Biosynthesis of Myxochromides S1-3 in <i>Stigmatella aurantiaca</i> : Evidence for an Iterative Bacterial Type I Polyketide Synthase and for Module Skipping in Nonribosomal Peptide Biosynthesis. <i>ChemBioChem</i> , 2005, 6, 375-385.	2.6	110
455	Production of the Tubulin Destabilizer Disorazol in <i>Sorangium cellulosum</i> : Biosynthetic Machinery and Regulatory Genes. <i>ChemBioChem</i> , 2005, 6, 1277-1286.	2.6	73
456	Biosynthesis and Identification of Volatiles Released by the Myxobacterium <i>Stigmatella aurantiaca</i> . <i>ChemBioChem</i> , 2005, 6, 2023-2033.	2.6	60
457	Posttranslational modification of myxobacterial carrier protein domains in <i>Pseudomonas</i> sp. by an intrinsic phosphopantetheinyl transferase. <i>Applied Microbiology and Biotechnology</i> , 2005, 68, 66-74.	3.6	42
458	Biosynthesis of iso-fatty acids in myxobacteria. <i>Organic and Biomolecular Chemistry</i> , 2005, 3, 2824.	2.8	37
459	A Novel Type of Geosmin Biosynthesis in Myxobacteria. <i>Journal of Organic Chemistry</i> , 2005, 70, 5174-5182.	3.2	118
460	Biosynthesis of Iso-Fatty Acids in Myxobacteria: Iso-Even Fatty Acids Are Derived by $\beta$ -Oxidation from Iso-Odd Fatty Acids. <i>Journal of the American Chemical Society</i> , 2005, 127, 532-533.	13.7	38
461	Evolutionary Implications of Bacterial Polyketide Synthases. <i>Molecular Biology and Evolution</i> , 2005, 22, 2027-2039.	8.9	323
462	Unusual Biosynthesis of Leupyrrins in the Myxobacterium <i>Sorangium cellulosum</i> . <i>Angewandte Chemie - International Edition</i> , 2004, 43, 4163-4167.	13.8	28
463	Biosynthesis of Volatiles by the Myxobacterium <i>Myxococcus xanthus</i> . <i>ChemBioChem</i> , 2004, 5, 778-787.	2.6	117
464	Don't Classify Polyketide Synthases. <i>Chemistry and Biology</i> , 2004, 11, 4-6.	6.0	28
465	Rational Design of a Bimodular Model System for the Investigation of Heterocyclization in Nonribosomal Peptide Biosynthesis. <i>Chemistry and Biology</i> , 2004, 11, 261-271.	6.0	55
466	Identification and Analysis of the Core Biosynthetic Machinery of Tubulysin, a Potent Cytotoxin with Potential Anticancer Activity. <i>Chemistry and Biology</i> , 2004, 11, 1071-1079.	6.0	102
467	Critical variations of conjugational DNA transfer into secondary metabolite multiproducing <i>Sorangium cellulosum</i> strains So ce12 and So ce56: development of a mariner-based transposon mutagenesis system. <i>Journal of Biotechnology</i> , 2004, 107, 29-40.	3.8	57
468	(S,S)-2,3-Dihydroxy-2,3-dihydrobenzoic Acid: Microbial Access with Engineered Cells of <i>Escherichia coli</i> and Application as Starting Material in Natural-Product Synthesis. <i>Chemistry - A European Journal</i> , 2003, 9, 4188-4196.	3.3	27

#	ARTICLE	IF	CITATIONS
469	Melithiazol Biosynthesis. <i>Chemistry and Biology</i> , 2003, 10, 939-952.	6.0	82
470	Markerless Mutations in the Myxothiazol Biosynthetic Gene Cluster. <i>Chemistry and Biology</i> , 2003, 10, 953-960.	6.0	20
471	Myxobacteria: proficient producers of novel natural products with various biological activities—past and future biotechnological aspects with the focus on the genus <i>Sorangium</i> . <i>Journal of Biotechnology</i> , 2003, 106, 233-253.	3.8	281
472	The Leupyrrins: A Structurally Unique Family of Secondary Metabolites from the <i>Myxobacterium Sorangium cellulosum</i> . <i>Journal of Natural Products</i> , 2003, 66, 1203-1206.	3.0	103
473	Possibility of Bacterial Recruitment of Plant Genes Associated with the Biosynthesis of Secondary Metabolites. <i>Plant Physiology</i> , 2003, 132, 1153-1161.	4.8	41
474	A Novel Biosynthetic Pathway Providing Precursors for Fatty Acid Biosynthesis and Secondary Metabolite Formation in Myxobacteria. <i>Journal of Biological Chemistry</i> , 2002, 277, 32768-32774.	3.4	56
475	The Biosynthesis of the Aromatic Myxobacterial Electron Transport Inhibitor Stigmatellin Is Directed by a Novel Type of Modular Polyketide Synthase. <i>Journal of Biological Chemistry</i> , 2002, 277, 13082-13090.	3.4	174
476	Characterization of the Early Stage Aminoshikimate Pathway in the Formation of 3-Amino-5-hydroxybenzoic Acid: The RifN Protein Specifically Converts Kanosamine into Kanosamine 6-Phosphate. <i>Journal of the American Chemical Society</i> , 2002, 124, 10644-10645.	13.7	44
477	Novel features in a combined polyketide synthase/non-ribosomal peptide synthetase: the myxalamid biosynthetic gene cluster of the myxobacterium <i>Stigmatella aurantiaca</i> Sga1511. This article is dedicated to Prof. Dr. E. Leistner on the occasion of his 60th birthday. <i>Chemistry and Biology</i> , 2001, 8, 59-69.	6.0	127
478	Secondary Metabolism in Myxobacteria. , 0, , 259-282.		7
479	<i>Sorangium cellulosum</i> . , 0, , 329-348.		2