Gregory Challis

List of Publications by Year
in descending order

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135 papers	17,129 citations	30070 54 h-index	14759 127 g-index
156 all docs	156 docs citations	156 times ranked	12689 citing authors

#	Article	IF	Citations
1	Complete genome sequence of the model actinomycete Streptomyces coelicolor A3(2). Nature, 2002, 417, 141-147.	27.8	2,940
2	Ribosomally synthesized and post-translationally modified peptide natural products: overview and recommendations for a universal nomenclature. Natural Product Reports, 2013, 30, 108-160.	10.3	1,692
3	PCR-targeted Streptomyces gene replacement identifies a protein domain needed for biosynthesis of the sesquiterpene soil odor geosmin. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 1541-1546.	7.1	1,340
4	Discovery of microbial natural products by activation of silent biosynthetic gene clusters. Nature Reviews Microbiology, 2015, 13, 509-523.	28.6	762
5	Predictive, structure-based model of amino acid recognition by nonribosomal peptide synthetase adenylation domains. Chemistry and Biology, 2000, 7, 211-224.	6.0	746
6	Genomic plasticity of the causative agent of melioidosis, Burkholderia pseudomallei. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 14240-14245.	7.1	675
7	Synergy and contingency as driving forces for the evolution of multiple secondary metabolite production by Streptomyces species. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 14555-14561.	7.1	532
8	Genomic and genetic analyses of diversity and plant interactions of Pseudomonas fluorescens. Genome Biology, 2009, 10, R51.	9.6	370
9	Discovery of a new peptide natural product by Streptomyces coelicolor genome mining. Nature Chemical Biology, 2005, 1, 265-269.	8.0	331
10	A Widely Distributed Bacterial Pathway for Siderophore Biosynthesis Independent of Nonribosomal Peptide Synthetases. ChemBioChem, 2005, 6, 601-611.	2.6	287
11	Strategies for the Discovery of New Natural Products by Genome Mining. ChemBioChem, 2009, 10, 625-633.	2.6	277
12	Identification of a bioactive 51-membered macrolide complex by activation of a silent polyketide synthase in Streptomyces ambofaciens. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 6258-6263.	7.1	275
13	Identification of a Cluster of Genes that Directs Desferrioxamine Biosynthesis in Streptomyces coelicolor M145. Journal of the American Chemical Society, 2004, 126, 16282-16283.	13.7	237
14	Mining microbial genomes for new natural products and biosynthetic pathways. Microbiology (United) Tj ETQq0 0 0 rgBT /Overlock 10 T	1.8	231
15	The Complete Genome Sequence and Comparative Genome Analysis of the High Pathogenicity Yersinia enterocolitica Strain 8081. PLoS Genetics, 2006, 2, e206.	3.5	227
16	Genome Mining for Novel Natural Product Discovery. Journal of Medicinal Chemistry, 2008, 51, 2618-2628.	6.4	189
17	Coelichelin, a new peptide siderophore encoded by theStreptomyces coelicolorgenome: structure prediction from the sequence of its non-ribosomal peptide synthetase. FEMS Microbiology Letters, 2000, 187, 111-114.	1.8	186
18	Mechanism and Catalytic Diversity of Rieske Non-Heme Iron-Dependent Oxygenases. ACS Catalysis, 2013, 3, 2362-2370.	11.2	179

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19	Cytochrome P450â€“catalyzed L-tryptophan nitration in thaxtomin phytotoxin biosynthesis. Nature Chemical Biology, 2012, 8, 814-816.	8.0	172
20	The dynamic architecture of the metabolic switch in Streptomyces coelicolor. BMC Genomics, 2010, 11, 10.	2.8	171
21	Analysis of the prodiginine biosynthesis gene cluster of Streptomyces coelicolor A3(2): new mechanisms for chain initiation and termination in modular multienzymes. Chemistry and Biology, 2001, 8, 817-829.	6.0	164
22	Recent advances in siderophore biosynthesis. Current Opinion in Chemical Biology, 2009, 13, 205-215.	6.1	158
23	Structure and biosynthesis of the unusual polyketide alkaloid coelimycin P1, a metabolic product of the cpk gene cluster of Streptomyces coelicolor M145. Chemical Science, 2012, 3, 2716.	7.4	152
24	Type III Polyketide Synthase Î²-Ketoacyl-ACP Starter Unit and Ethylmalonyl-CoA Extender Unit Selectivity Discovered byStreptomyces coelicolorGenome Mining. Journal of the American Chemical Society, 2006, 128, 14754-14755.	13.7	140
25	Antimalarial Activity of Natural and Synthetic Prodiginines. Journal of Medicinal Chemistry, 2011, 54, 5296-5306.	6.4	135
26	2-Alkyl-4-hydroxymethylfuran-3-carboxylic acids, antibiotic production inducers discovered by Streptomyces coelicolor genome mining. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 17510-17515.	7.1	134
27	New natural product biosynthetic chemistry discovered by genome mining. Natural Product Reports, 2009, 26, 977.	10.3	133
28	Structure, Chemical Synthesis, and Biosynthesis of Prodiginine Natural Products. Chemical Reviews, 2016, 116, 7818-7853.	47.7	126
29	Multiple biosynthetic and uptake systems mediate siderophore-dependent iron acquisition in Streptomyces coelicolor A3(2) and Streptomyces ambofaciens ATCC 23877. Microbiology (United) Tj ETQq1 1 0.784314 rgBT /Overlock	3.4	122
30	Structural aspects of non-ribosomal peptide biosynthesis. Current Opinion in Structural Biology, 2004, 14, 748-756.	5.7	120
31	The Scottish Structural Proteomics Facility: targets, methods and outputs. Journal of Structural and Functional Genomics, 2010, 11, 167-180.	1.2	107
32	Enacyloxins Are Products of an Unusual Hybrid Modular Polyketide Synthase Encoded by a Cryptic Burkholderia ambifaria Genomic Island. Chemistry and Biology, 2011, 18, 665-677.	6.0	107
33	Regio- and stereodivergent antibiotic oxidative carbocyclizations catalysed by Rieske oxygenase-like enzymes. Nature Chemistry, 2011, 3, 388-392.	13.6	106
34	Genome mining identifies cepacin as a plant-protective metabolite of the biopesticidal bacterium Burkholderia ambifaria. Nature Microbiology, 2019, 4, 996-1005.	13.3	106
35	A new family of ATP-dependent oligomerization-macrocyclization biocatalysts. Nature Chemical Biology, 2007, 3, 652-656.	8.0	102
36	Developmentally regulated volatiles geosmin and 2-methylisoborneol attract a soil arthropod to Streptomyces bacteria promoting spore dispersal. Nature Microbiology, 2020, 5, 821-829.	13.3	102

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37	Antibiotics from Gram-negative bacteria: a comprehensive overview and selected biosynthetic highlights. Natural Product Reports, 2017, 34, 712-783.	10.3	101
38	Exploitation of the Streptomyces coelicolor A3(2) genome sequence for discovery of new natural products and biosynthetic pathways. Journal of Industrial Microbiology and Biotechnology, 2014, 41, 219-232.	3.0	100
39	Substrate recognition by nonribosomal peptide synthetase multi-enzymes. Microbiology (United) Tj ETQq1 1 0.784314 rgBT /Overloc	1.8	97
40	Characterization and Manipulation of the Pathway-Specific Late Regulator AlpW RevealsStreptomyces ambofaciensas a New Producer of Kinamycins. Journal of Bacteriology, 2011, 193, 1142-1153.	2.2	96
41	MbtH-like protein-mediated cross-talk between non-ribosomal peptide antibiotic and siderophore biosynthetic pathways in Streptomyces coelicolor M145. Microbiology (United Kingdom), 2007, 153, 1405-1412.	1.8	93
42	The long-overlooked enzymology of a nonribosomal peptide synthetase-independent pathway for virulence-conferring siderophore biosynthesis. Chemical Communications, 2009, , 6530.	4.1	91
43	Genome mining of Streptomyces ambofaciens. Journal of Industrial Microbiology and Biotechnology, 2014, 41, 251-263.	3.0	85
44	Elucidation of the Streptomyces coelicolor Pathway toÂ2-Undecylpyrrole, a Key Intermediate in Undecylprodiginine and Streptorubin B Biosynthesis. Chemistry and Biology, 2008, 15, 137-148.	6.0	84
45	The Role of Glutathione S-Transferase GliG in Gliotoxin Biosynthesis in Aspergillus fumigatus. Chemistry and Biology, 2011, 18, 542-552.	6.0	79
46	Discovery and Biosynthesis of Gladiolin: A Burkholderia gladioli Antibiotic with Promising Activity against Mycobacterium tuberculosis. Journal of the American Chemical Society, 2017, 139, 7974-7981.	13.7	73
47	Engineeringp-Hydroxyphenylpyruvate Dioxygenase to ap-Hydroxymandelate Synthase and Evidence for the Proposed Benzene Oxide Intermediate in Homogentisate Formationâ€. Biochemistry, 2004, 43, 663-674.	2.5	71
48	AcsD catalyzes enantioselective citrate desymmetrization in siderophore biosynthesis. Nature Chemical Biology, 2009, 5, 174-182.	8.0	67
49	Posttranslational Î²-methylation and macrolactamidination in the biosynthesis of the bottromycin complex of ribosomal peptide antibiotics. Chemical Science, 2012, 3, 3522.	7.4	67
50	Extracellular signalling, translational control, two repressors and an activator all contribute to the regulation of methylenomycin production inStreptomyces coelicolor. Molecular Microbiology, 2009, 71, 763-778.	2.5	64
51	Enzymatic Logic of Anthrax Stealth Siderophore Biosynthesis:Â AsbA Catalyzes ATP-Dependent Condensation of Citric Acid and Spermidine. Journal of the American Chemical Society, 2007, 129, 8416-8417.	13.7	57
52	Rieske non-heme iron-dependent oxygenases catalyse diverse reactions in natural product biosynthesis. Natural Product Reports, 2018, 35, 622-632.	10.3	57
53	Identification of a Gene Cluster That Directs Putrebactin Biosynthesis in Shewanella Species: PubC Catalyzes Cyclodimerization of N-Hydroxy-N-succinylputrescine. Journal of the American Chemical Society, 2008, 130, 10458-10459.	13.7	56
54	Structure and biosynthesis of scabichelin, a novel tris-hydroxamate siderophore produced by the plant pathogen Streptomyces scabies 87.22. Organic and Biomolecular Chemistry, 2013, 11, 4686.	2.8	56

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55	A novel streptococcal integrative conjugative element involved in iron acquisition. Molecular Microbiology, 2008, 70, 1274-1292.	2.5	55
56	Catalytic Mechanism of Aromatic Nitration by Cytochrome P450 TxtE: Involvement of a Ferric-Peroxynitrite Intermediate. Journal of the American Chemical Society, 2020, 142, 15764-15779.	13.7	55
57	The Insect Pathogen Serratia marcescens Db10 Uses a Hybrid Non-Ribosomal Peptide Synthetase-Polyketide Synthase to Produce the Antibiotic Althiomycin. PLoS ONE, 2012, 7, e44673.	2.5	54
58	Structures of a non-ribosomal peptide synthetase condensation domain suggest the basis of substrate selectivity. Nature Communications, 2021, 12, 2511.	12.8	53
59	Chapter 17 Siderophore Biosynthesis. Methods in Enzymology, 2009, 458, 431-457.	1.0	51
60	Natural Product Proteomining, a Quantitative Proteomics Platform, Allows Rapid Discovery of Biosynthetic Gene Clusters for Different Classes of Natural Products. Chemistry and Biology, 2014, 21, 707-718.	6.0	51
61	Bisucaberin biosynthesis: an adenylating domain of the BibC multi-enzyme catalyzes cyclodimerization of N-hydroxy-N-succinylcadaverine. Chemical Communications, 2008, , 5119.	4.1	50
62	Discovery of Unusual Biaryl Polyketides by Activation of a Silent Streptomyces venezuelae Biosynthetic Gene Cluster. ChemBioChem, 2016, 17, 2189-2198.	2.6	50
63	Stereochemical Elucidation of Streptorubin B. Journal of the American Chemical Society, 2011, 133, 1793-1798.	13.7	48
64	The plant pathogen Streptomyces scabies 87-22 has a functional pyochelin biosynthetic pathway that is regulated by TetR- and AfsR-family proteins. Microbiology (United Kingdom), 2011, 157, 2681-2693.	1.8	47
65	Unusual odd-electron fragments from even-electron protonated prodiginine precursors using positive-ion electrospray tandem mass spectrometry. Journal of the American Society for Mass Spectrometry, 2008, 19, 1856-1866.	2.8	46
66	Elucidation of the Streptomyces coelicolor pathway to 4-methoxy-2,2â€²-bipyrrole-5-carboxaldehyde, an intermediate in prodiginine biosynthesis. Chemical Communications, 2006, , 3981-3983.	4.1	45
67	The vbs genes that direct synthesis of the siderophore vicibactin in Rhizobium leguminosarum: their expression in other genera requires ECF Ïƒ factor RpoI. Molecular Microbiology, 2002, 44, 1153-1166.	2.5	44
68	Thioester reduction and aldehyde transamination are universal steps in actinobacterial polyketide alkaloid biosynthesis. Chemical Science, 2017, 8, 411-415.	7.4	43
69	Watasemycin biosynthesis in Streptomyces venezuelae: thiazoline C-methylation by a type B radical-SAM methylase homologue. Chemical Science, 2017, 8, 2823-2831.	7.4	42
70	Binding of Distinct Substrate Conformations Enables Hydroxylation of Remote Sites in Thaxtomin D by Cytochrome P450 TxtC. Journal of the American Chemical Society, 2019, 141, 216-222.	13.7	42
71	Structure and Function of the RedJ Protein, a Thioesterase from the Prodiginine Biosynthetic Pathway in Streptomyces coelicolor. Journal of Biological Chemistry, 2011, 286, 22558-22569.	3.4	41
72	Role and substrate specificity of the Streptomyces coelicolor RedH enzyme in undecylprodiginine biosynthesis. Chemical Communications, 2008, , 1865.	4.1	40

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73	Discovery of a family of Î³-aminobutyrate ureas via rational derepression of a silent bacterial gene cluster. Chemical Science, 2014, 5, 86-89.	7.4	40
74	Structural basis for chain release from the enacyloxin polyketide synthase. Nature Chemistry, 2019, 11, 913-923.	13.6	39
75	Mechanistic insights into class B radical-S-adenosylmethionine methylases: ubiquitous tailoring enzymes in natural product biosynthesis. Current Opinion in Chemical Biology, 2016, 35, 73-79.	6.1	34
76	An unusualBurkholderia gladiolidouble chain-initiating nonribosomal peptide synthetase assembles â€˜fungalâ€™ icosalide antibiotics. Chemical Science, 2019, 10, 5489-5494.	7.4	34
77	Distinct Extracytoplasmic Siderophore Binding Proteins Recognize Ferrioxamines and Ferricoelichelin in Streptomyces coelicolor A3(2). Biochemistry, 2010, 49, 8033-8042.	2.5	33
78	Stereochemistry and Mechanism of Undecylprodigiosin Oxidative Carbocyclization to Streptorubin B by the Rieske Oxygenase RedG. Journal of the American Chemical Society, 2015, 137, 7889-7897.	13.7	33
79	In Vitro Biosynthetic Studies of Bottromycin Expand the Enzymatic Capabilities of the YcaO Superfamily. Journal of the American Chemical Society, 2017, 139, 18154-18157.	13.7	33
80	Petrobactin biosynthesis: AsbB catalyzes condensation of spermidine with N8-citryl-spermidine and its N1-(3,4-dihydroxybenzoyl) derivative. Chemical Communications, 2008, , 4034.	4.1	31
81	Mechanism of intersubunit ketosynthaseâ€“dehydratase interaction in polyketide synthases. Nature Chemical Biology, 2018, 14, 270-275.	8.0	31
82	Functional and Structural Analysis of the Siderophore Synthetase AsbB through Reconstitution of the Petrobactin Biosynthetic Pathway from Bacillus anthracis. Journal of Biological Chemistry, 2012, 287, 16058-16072.	3.4	30
83	Unique post-translational oxime formation in the biosynthesis of the azolemycin complex of novel ribosomal peptides from Streptomyces sp. FXJ1.264. Chemical Science, 2016, 7, 482-488.	7.4	29
84	Desferrioxamine biosynthesis: diverse hydroxamate assembly by substrate-tolerant acyl transferase DesC. Philosophical Transactions of the Royal Society B: Biological Sciences, 2018, 373, 20170068.	4.0	29
85	Proteinâ€“protein interactions in trans-AT polyketide synthases. Natural Product Reports, 2018, 35, 1097-1109.	10.3	29
86	A dual transacylation mechanism for polyketide synthase chain release in enacyloxin antibiotic biosynthesis. Nature Chemistry, 2019, 11, 906-912.	13.6	29
87	A combination of polyunsaturated fatty acid, nonribosomal peptide and polyketide biosynthetic machinery is used to assemble the zeamine antibiotics. Chemical Science, 2015, 6, 923-929.	7.4	28
88	Heavy Tools for Genome Mining. Chemistry and Biology, 2007, 14, 7-9.	6.0	25
89	A Flavin-Dependent Decarboxylaseâ€“Dehydrogenaseâ€“Monooxygenase Assembles the Warhead of Î±,Î²-Epoxyketone Proteasome Inhibitors. Journal of the American Chemical Society, 2016, 138, 4342-4345.	13.7	24
90	Kill and cure: genomic phylogeny and bioactivity of Burkholderia gladioli bacteria capable of pathogenic and beneficial lifestyles. Microbial Genomics, 2021, 7, .	2.0	24

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91	Mechanisms for incorporation of glycerol-derived precursors into polyketide metabolites. Journal of Industrial Microbiology and Biotechnology, 2006, 33, 105-120.	3.0	23
92	LC-MS-Guided Isolation of Penicilfuranone A: A New Antifibrotic Furancarboxylic Acid from the Plant Endophytic Fungus Penicillium sp. sh18. Journal of Natural Products, 2016, 79, 149-155.	3.0	23
93	Cytochrome P450-mediated hydroxylation is required for polyketide macrolactonization in stambomycin biosynthesis. Journal of Antibiotics, 2014, 67, 71-76.	2.0	22
94	Pentamycin Biosynthesis in Philippine Streptomyces sp. S816: Cytochrome P450-Catalyzed Installation of the C-14 Hydroxyl Group. ACS Chemical Biology, 2019, 14, 1305-1309.	3.4	21
95	Evidence for the Unusual Condensation of a Diketide with a Pentulose in the Methylenomycin Biosynthetic Pathway of Streptomyces coelicolor A3(2). ChemBioChem, 2005, 6, 2166-2170.	2.6	20
96	A crotonyl-CoA reductase-carboxylase independent pathway for assembly of unusual alkylmalonyl-CoA polyketide synthase extender units. Nature Communications, 2016, 7, 13609.	12.8	20
97	GenomicsâEDriven Discovery of a Novel Glutarimide Antibiotic from Burkholderia gladioli Reveals an Unusual Polyketide Synthase Chain Release Mechanism. Angewandte Chemie - International Edition, 2020, 59, 23145-23153.	13.8	20
98	Structural Basis for Acyl Acceptor Specificity in the Achromobactin Biosynthetic Enzyme AcsD. Journal of Molecular Biology, 2011, 412, 495-504.	4.2	19
99	A talented genus. Nature, 2014, 506, 38-39.	27.8	19
100	Enantioselective desymmetrisation of citric acid catalysed by the substrate-tolerant petrobactin biosynthetic enzyme AsbA. Chemical Communications, 2009, , 1389.	4.1	18
101	A Sweet Origin for the Key Congocidine Precursor 4â€Acetamidopyrroleâ€2â€carboxylate. Angewandte Chemie - International Edition, 2012, 51, 7454-7458.	13.8	17
102	Docking domain-mediated subunit interactions in natural product megasynth(et)ases. Journal of Industrial Microbiology and Biotechnology, 2021, 48, .	3.0	17
103	Discovery and Biosynthesis of Bolagladins: Unusual Lipodepsipeptides from Burkholderia gladioli Clinical Isolates**. Angewandte Chemie - International Edition, 2020, 59, 21553-21561.	13.8	16
104	Discovery of the Pseudomonas Polyyne Protegencin by a Phylogeny-Guided Study of Polyyne Biosynthetic Gene Cluster Diversity. MBio, 2021, 12, e0071521.	4.1	16
105	Molecular basis for control of antibiotic production by a bacterial hormone. Nature, 2021, 590, 463-467.	27.8	15
106	Towards a Biomimetic Synthesis of the Marine Alkaloids Papuamine and Haliclonadiamine: Model Studies. Tetrahedron, 2000, 56, 623-628.	1.9	14
107	A butenolide intermediate in methylenomycin furan biosynthesis is implied by incorporation of stereospecifically 13C-labelled glycerols. Chemical Communications, 2010, 46, 4079.	4.1	14
108	Non-linear enzymatic logic in natural product modular mega-synthases and -synthetases. Current Opinion in Drug Discovery & Development, 2007, 10, 203-18.	1.9	13

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109	Oxidative Tailoring Reactions Catalyzed by Nonheme Iron-Dependent Enzymes. Methods in Enzymology, 2012, 516, 195-218.	1.0	12
110	Tailoring Reactions Catalyzed by Heme-Dependent Enzymes. Methods in Enzymology, 2012, 516, 171-194.	1.0	12
111	Rate enhancement in the reduction of (2,3)-Î±- and (2,3)-Î²-methylenepenam Î²-sulfoxides. Tetrahedron Letters, 1998, 39, 8537-8540.	1.4	11
112	Incorporation of [U-13C]glycerol defines plausible early steps for the biosynthesis of methylenomycin A in Streptomyces coelicolor A3(2). Chemical Communications, 2001, , 935-936.	4.1	11
113	Expanding the Substrate Scope of Nitrating Cytochrome P450 TxtE by Active Site Engineering of a Reductase Fusion. ChemBioChem, 2021, 22, 2262-2265.	2.6	11
114	Cloning and expression of Burkholderia polyyne biosynthetic gene clusters in Paraburkholderia hosts provides a strategy for biopesticide development. Microbial Biotechnology, 2022, 15, 2547-2561.	4.2	10
115	Genomic Assemblies of Members of Burkholderia and Related Genera as a Resource for Natural Product Discovery. Microbiology Resource Announcements, 2020, 9, .	0.6	9
116	Engineering Escherichia coli to produce nonribosomal peptide antibiotics. , 2006, 2, 398-400.		7
117	SimC7 Is a Novel NAD(P)H-Dependent Ketoreductase Essential for the Antibiotic Activity of the DNA Gyrase Inhibitor Simocyclinone. Journal of Molecular Biology, 2015, 427, 2192-2204.	4.2	7
118	Anti-microfouling Activity of Glycomyces sediminimaris UTMC 2460 on Dominant Fouling Bacteria of Iran Marine Habitats. Frontiers in Microbiology, 2018, 9, 3148.	3.5	7
119	Coelichelin, a new peptide siderophore encoded by the Streptomyces coelicolor genome: structure prediction from the sequence of its non-ribosomal peptide synthetase. FEMS Microbiology Letters, 2000, 187, 111-114.	1.8	6
120	Heterologous reconstitution of the biosynthesis pathway for 4-demethyl-premithramycinone, the aglycon of antitumor polyketide mithramycin. Microbial Cell Factories, 2020, 19, 111.	4.0	5
121	Bovistol B, bovistol D and strossmayerin: Sesquiterpene metabolites from the culture filtrate of the basidiomycete Coprinopsis strossmayeri. PLoS ONE, 2020, 15, e0229925.	2.5	5
122	Purification, crystallization and data collection ofPectobacterium chrysanthemiAcsD, a type A siderophore synthetase. Acta Crystallographica Section F: Structural Biology Communications, 2008, 64, 1052-1055.	0.7	4
123	Structural changes in freshwater fish and chironomids exposed to bacterial exotoxins. Ecotoxicology and Environmental Safety, 2012, 80, 37-44.	6.0	4
124	MmfL catalyses formation of a phosphorylated butenolide intermediate in methylenomycin furan biosynthesis. Chemical Communications, 2020, 56, 14443-14446.	4.1	4
125	Editorial: Biosynthetic assembly lines themed issue. Natural Product Reports, 2016, 33, 120-121.	10.3	3
126	Relative stereochemical assignment of C-33 and C-35 in the antibiotic gladiolin. Tetrahedron, 2018, 74, 5150-5155.	1.9	3

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127	Genomicsâ€Driven Discovery of a Novel Glutarimide Antibiotic from Burkholderia gladioli Reveals an Unusual Polyketide Synthase Chain Release Mechanism. Angewandte Chemie, 2020, 132, 23345-23353.	2.0	3
128	Synthesis of the C1â€“C27 Fragment of Stambomycin D Validates Modular Polyketide Synthase-Based Stereochemical Assignments. Organic Letters, 2021, 23, 7439-7444.	4.6	3
129	A Widely Distributed Bacterial Pathway for Siderophore Biosynthesis Independent of Nonribosomal Peptide Synthetases. ChemBioChem, 2007, 8, 1477-1477.	2.6	2
130	Exploiting Genomics for New Natural Product Discovery in Prokaryotes. , 2010, , 429-453.		2
131	Editorial: Fungal natural products themed issue. Natural Product Reports, 2014, 31, 1241-1241.	10.3	2
132	Understanding biosynthetic proteinâ€“protein interactions. Natural Product Reports, 2018, 35, 1118-1119.	10.3	1
133	Discovery and Biosynthesis of Bolagladins: Unusual Lipodepsipeptides from Burkholderia gladioli Clinical Isolates**. Angewandte Chemie, 2020, 132, 21737-21745.	2.0	1
134	Synthesis of the C50 diastereomers of the C33â€“C51 fragment of stambomycin D. Organic Chemistry Frontiers, 2022, 9, 445-449.	4.5	1
135	Concise Synthesis of Key 3-Polyenoyl-5-methylenefuran-2,4-dione Putative Intermediates in Quartromicin Biosynthesis. Synlett, 2008, 2008, 2164-2168.	1.8	0