

Gregory Challis

List of Publications by Year in descending order

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134
papers

17,129
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29994

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156
docs citations

156
times ranked

12689
citing authors

#	ARTICLE	IF	CITATIONS
1	Complete genome sequence of the model actinomycete <i>Streptomyces coelicolor</i> A3(2). <i>Nature</i> , 2002, 417, 141-147.	13.7	2,940
2	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.	5.2	1,692
3	PCR-targeted <i>Streptomyces</i> gene replacement identifies a protein domain needed for biosynthesis of the sesquiterpene soil odor geosmin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 1541-1546.	3.3	1,340
4	Discovery of microbial natural products by activation of silent biosynthetic gene clusters. <i>Nature Reviews Microbiology</i> , 2015, 13, 509-523.	13.6	762
5	Predictive, structure-based model of amino acid recognition by nonribosomal peptide synthetase adenylation domains. <i>Chemistry and Biology</i> , 2000, 7, 211-224.	6.2	746
6	Genomic plasticity of the causative agent of melioidosis, <i>Burkholderia pseudomallei</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 14240-14245.	3.3	675
7	Synergy and contingency as driving forces for the evolution of multiple secondary metabolite production by <i>Streptomyces</i> species. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 14555-14561.	3.3	532
8	Genomic and genetic analyses of diversity and plant interactions of <i>Pseudomonas fluorescens</i> . <i>Genome Biology</i> , 2009, 10, R51.	13.9	370
9	Discovery of a new peptide natural product by <i>Streptomyces coelicolor</i> genome mining. <i>Nature Chemical Biology</i> , 2005, 1, 265-269.	3.9	331
10	A Widely Distributed Bacterial Pathway for Siderophore Biosynthesis Independent of Nonribosomal Peptide Synthetases. <i>ChemBioChem</i> , 2005, 6, 601-611.	1.3	287
11	Strategies for the Discovery of New Natural Products by Genome Mining. <i>ChemBioChem</i> , 2009, 10, 625-633.	1.3	277
12	Identification of a bioactive 51-membered macrolide complex by activation of a silent polyketide synthase in <i>Streptomyces ambofaciens</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 6258-6263.	3.3	275
13	Identification of a Cluster of Genes that Directs Desferrioxamine Biosynthesis in <i>Streptomyces coelicolor</i> M145. <i>Journal of the American Chemical Society</i> , 2004, 126, 16282-16283.	6.6	237
14	Mining microbial genomes for new natural products and biosynthetic pathways. <i>Microbiology (United Kingdom)</i> , 2007, 153, 231-231.	0.7	231
15	The Complete Genome Sequence and Comparative Genome Analysis of the High Pathogenicity <i>Yersinia enterocolitica</i> Strain 8081. <i>PLoS Genetics</i> , 2006, 2, e206.	1.5	227
16	Genome Mining for Novel Natural Product Discovery. <i>Journal of Medicinal Chemistry</i> , 2008, 51, 2618-2628.	2.9	189
17	Coelichelin, a new peptide siderophore encoded by the <i>Streptomyces coelicolor</i> genome: structure prediction from the sequence of its non-ribosomal peptide synthetase. <i>FEMS Microbiology Letters</i> , 2000, 187, 111-114.	0.7	186
18	Mechanism and Catalytic Diversity of Rieske Non-Heme Iron-Dependent Oxygenases. <i>ACS Catalysis</i> , 2013, 3, 2362-2370.	5.5	179

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19	Cytochrome P450-catalyzed L-tryptophan nitration in thaxtomin phytotoxin biosynthesis. <i>Nature Chemical Biology</i> , 2012, 8, 814-816.	3.9	172
20	The dynamic architecture of the metabolic switch in <i>Streptomyces coelicolor</i> . <i>BMC Genomics</i> , 2010, 11, 10.	1.2	171
21	Analysis of the prodiginine biosynthesis gene cluster of <i>Streptomyces coelicolor</i> A3(2): new mechanisms for chain initiation and termination in modular multienzymes. <i>Chemistry and Biology</i> , 2001, 8, 817-829.	6.2	164
22	Recent advances in siderophore biosynthesis. <i>Current Opinion in Chemical Biology</i> , 2009, 13, 205-215.	2.8	158
23	Structure and biosynthesis of the unusual polyketide alkaloid coelimycin P1, a metabolic product of the cpk gene cluster of <i>Streptomyces coelicolor</i> M145. <i>Chemical Science</i> , 2012, 3, 2716.	3.7	152
24	Type III Polyketide Synthase Î²-Ketoacyl-ACP Starter Unit and Ethylmalonyl-CoA Extender Unit Selectivity Discovered by <i>Streptomyces coelicolor</i> Genome Mining. <i>Journal of the American Chemical Society</i> , 2006, 128, 14754-14755.	6.6	140
25	Antimalarial Activity of Natural and Synthetic Prodiginines. <i>Journal of Medicinal Chemistry</i> , 2011, 54, 5296-5306.	2.9	135
26	2-Alkyl-4-hydroxymethylfuran-3-carboxylic acids, antibiotic production inducers discovered by <i>Streptomyces coelicolor</i> genome mining. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 17510-17515.	3.3	134
27	New natural product biosynthetic chemistry discovered by genome mining. <i>Natural Product Reports</i> , 2009, 26, 977.	5.2	133
28	Structure, Chemical Synthesis, and Biosynthesis of Prodiginine Natural Products. <i>Chemical Reviews</i> , 2016, 116, 7818-7853.	23.0	126
29	Multiple biosynthetic and uptake systems mediate siderophore-dependent iron acquisition in <i>Streptomyces coelicolor</i> A3(2) and <i>Streptomyces ambifaciens</i> ATCC 23877. <i>Microbiology (United Kingdom)</i> 1 0.784314 rgB2/Overl	8.4	124
30	Structural aspects of non-ribosomal peptide biosynthesis. <i>Current Opinion in Structural Biology</i> , 2004, 14, 748-756.	2.6	120
31	The Scottish Structural Proteomics Facility: targets, methods and outputs. <i>Journal of Structural and Functional Genomics</i> , 2010, 11, 167-180.	1.2	107
32	Enacyloxins Are Products of an Unusual Hybrid Modular Polyketide Synthase Encoded by a Cryptic <i>Burkholderia ambifaria</i> Genomic Island. <i>Chemistry and Biology</i> , 2011, 18, 665-677.	6.2	107
33	Regio- and stereodivergent antibiotic oxidative carbocyclizations catalysed by Rieske oxygenase-like enzymes. <i>Nature Chemistry</i> , 2011, 3, 388-392.	6.6	106
34	Genome mining identifies cepacin as a plant-protective metabolite of the biopesticidal bacterium <i>Burkholderia ambifaria</i> . <i>Nature Microbiology</i> , 2019, 4, 996-1005.	5.9	106
35	A new family of ATP-dependent oligomerization-macrocyclization biocatalysts. <i>Nature Chemical Biology</i> , 2007, 3, 652-656.	3.9	102
36	Developmentally regulated volatiles geosmin and 2-methylisoborneol attract a soil arthropod to <i>Streptomyces</i> bacteria promoting spore dispersal. <i>Nature Microbiology</i> , 2020, 5, 821-829.	5.9	102

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37	Antibiotics from Gram-negative bacteria: a comprehensive overview and selected biosynthetic highlights. <i>Natural Product Reports</i> , 2017, 34, 712-783.	5.2	101
38	Exploitation of the <i>Streptomyces coelicolor</i> A3(2) genome sequence for discovery of new natural products and biosynthetic pathways. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2014, 41, 219-232.	1.4	100
39	Substrate recognition by nonribosomal peptide synthetase multi-enzymes. <i>Microbiology (United Kingdom)</i> , 2007, 153, 1405-1412.	0.7	97
40	Characterization and Manipulation of the Pathway-Specific Late Regulator AlpW Reveals <i>Streptomyces ambofaciens</i> as a New Producer of Kinamycins. <i>Journal of Bacteriology</i> , 2011, 193, 1142-1153.	1.0	96
41	MbtH-like protein-mediated cross-talk between non-ribosomal peptide antibiotic and siderophore biosynthetic pathways in <i>Streptomyces coelicolor</i> M145. <i>Microbiology (United Kingdom)</i> , 2007, 153, 1405-1412.	0.7	93
42	The long-overlooked enzymology of a nonribosomal peptide synthetase-independent pathway for virulence-conferring siderophore biosynthesis. <i>Chemical Communications</i> , 2009, , 6530.	2.2	91
43	Genome mining of <i>Streptomyces ambofaciens</i> . <i>Journal of Industrial Microbiology and Biotechnology</i> , 2014, 41, 251-263.	1.4	85
44	Elucidation of the <i>Streptomyces coelicolor</i> Pathway to Δ^2 -Undecylpyrrole, a Key Intermediate in Undecylprodiginine and Streptorubin B Biosynthesis. <i>Chemistry and Biology</i> , 2008, 15, 137-148.	6.2	84
45	The Role of Glutathione S-Transferase GliG in Gliotoxin Biosynthesis in <i>Aspergillus fumigatus</i> . <i>Chemistry and Biology</i> , 2011, 18, 542-552.	6.2	79
46	Discovery and Biosynthesis of Gladiolin: A <i>Burkholderia gladioli</i> Antibiotic with Promising Activity against <i>Mycobacterium tuberculosis</i> . <i>Journal of the American Chemical Society</i> , 2017, 139, 7974-7981.	6.6	73
47	Engineering p-Hydroxyphenylpyruvate Dioxygenase to p-Hydroxymandelate Synthase and Evidence for the Proposed Benzene Oxide Intermediate in Homogentisate Formation. <i>Biochemistry</i> , 2004, 43, 663-674.	1.2	71
48	AcsD catalyzes enantioselective citrate desymmetrization in siderophore biosynthesis. <i>Nature Chemical Biology</i> , 2009, 5, 174-182.	3.9	67
49	Posttranslational \hat{N}^2 -methylation and macrolactamidation in the biosynthesis of the bottromycin complex of ribosomal peptide antibiotics. <i>Chemical Science</i> , 2012, 3, 3522.	3.7	67
50	Extracellular signalling, translational control, two repressors and an activator all contribute to the regulation of methylenomycin production in <i>Streptomyces coelicolor</i> . <i>Molecular Microbiology</i> , 2009, 71, 763-778.	1.2	64
51	Enzymatic Logic of Anthrax Stealth Siderophore Biosynthesis: AsbA Catalyzes ATP-Dependent Condensation of Citric Acid and Spermidine. <i>Journal of the American Chemical Society</i> , 2007, 129, 8416-8417.	6.6	57
52	Rieske non-heme iron-dependent oxygenases catalyse diverse reactions in natural product biosynthesis. <i>Natural Product Reports</i> , 2018, 35, 622-632.	5.2	57
53	Identification of a Gene Cluster That Directs Putrebaicin Biosynthesis in <i>Shewanella</i> Species: PubC Catalyzes Cyclodimerization of N-Hydroxy-N-succinylputrescine. <i>Journal of the American Chemical Society</i> , 2008, 130, 10458-10459.	6.6	56
54	Structure and biosynthesis of scabichelin, a novel tris-hydroxamate siderophore produced by the plant pathogen <i>Streptomyces scabies</i> 87.22. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 4686.	1.5	56

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55	A novel streptococcal integrative conjugative element involved in iron acquisition. <i>Molecular Microbiology</i> , 2008, 70, 1274-1292.	1.2	55
56	Catalytic Mechanism of Aromatic Nitration by Cytochrome P450 TxtE: Involvement of a Ferric-Peroxynitrite Intermediate. <i>Journal of the American Chemical Society</i> , 2020, 142, 15764-15779.	6.6	55
57	The Insect Pathogen <i>Serratia marcescens</i> Db10 Uses a Hybrid Non-Ribosomal Peptide Synthetase-Polyketide Synthase to Produce the Antibiotic Althiomycin. <i>PLoS ONE</i> , 2012, 7, e44673.	1.1	54
58	Structures of a non-ribosomal peptide synthetase condensation domain suggest the basis of substrate selectivity. <i>Nature Communications</i> , 2021, 12, 2511.	5.8	53
59	Chapter 17 Siderophore Biosynthesis. <i>Methods in Enzymology</i> , 2009, 458, 431-457.	0.4	51
60	Natural Product Proteomining, a Quantitative Proteomics Platform, Allows Rapid Discovery of Biosynthetic Gene Clusters for Different Classes of Natural Products. <i>Chemistry and Biology</i> , 2014, 21, 707-718.	6.2	51
61	Bisucaberin biosynthesis: an adenylating domain of the BibC multi-enzyme catalyzes cyclodimerization of N-hydroxy-N-succinylcadaverine. <i>Chemical Communications</i> , 2008, , 5119.	2.2	50
62	Discovery of Unusual Biaryl Polyketides by Activation of a Silent <i>Streptomyces venezuelae</i> Biosynthetic Gene Cluster. <i>ChemBioChem</i> , 2016, 17, 2189-2198.	1.3	50
63	Stereochemical Elucidation of Streptorubin B. <i>Journal of the American Chemical Society</i> , 2011, 133, 1793-1798.	6.6	48
64	The plant pathogen <i>Streptomyces scabies</i> 87-22 has a functional pyochelin biosynthetic pathway that is regulated by TetR- and AfsR-family proteins. <i>Microbiology (United Kingdom)</i> , 2011, 157, 2681-2693.	0.7	47
65	Unusual odd-electron fragments from even-electron protonated prodiginine precursors using positive-ion electrospray tandem mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2008, 19, 1856-1866.	1.2	46
66	Elucidation of the <i>Streptomyces coelicolor</i> pathway to 4-methoxy-2,2-bipyrrole-5-carboxaldehyde, an intermediate in prodiginine biosynthesis. <i>Chemical Communications</i> , 2006, , 3981-3983.	2.2	45
67	The vbs genes that direct synthesis of the siderophore vicibactin in <i>Rhizobium leguminosarum</i> : their expression in other genera requires ECF σ factor RpoI. <i>Molecular Microbiology</i> , 2002, 44, 1153-1166.	1.2	44
68	Thioester reduction and aldehyde transamination are universal steps in actinobacterial polyketide alkaloid biosynthesis. <i>Chemical Science</i> , 2017, 8, 411-415.	3.7	43
69	Watasemycin biosynthesis in <i>Streptomyces venezuelae</i> : thiazoline C-methylation by a type B radical-SAM methylase homologue. <i>Chemical Science</i> , 2017, 8, 2823-2831.	3.7	42
70	Binding of Distinct Substrate Conformations Enables Hydroxylation of Remote Sites in Thaxtomin D by Cytochrome P450 TxtC. <i>Journal of the American Chemical Society</i> , 2019, 141, 216-222.	6.6	42
71	Structure and Function of the RedJ Protein, a Thioesterase from the Prodiginine Biosynthetic Pathway in <i>Streptomyces coelicolor</i> . <i>Journal of Biological Chemistry</i> , 2011, 286, 22558-22569.	1.6	41
72	Role and substrate specificity of the <i>Streptomyces coelicolor</i> RedH enzyme in undecylprodiginine biosynthesis. <i>Chemical Communications</i> , 2008, , 1865.	2.2	40

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73	Discovery of a family of Î ³ -aminobutyrate ureas via rational derepression of a silent bacterial gene cluster. <i>Chemical Science</i> , 2014, 5, 86-89.	3.7	40
74	Structural basis for chain release from the enacyloxin polyketide synthase. <i>Nature Chemistry</i> , 2019, 11, 913-923.	6.6	39
75	Mechanistic insights into class B radical-S-adenosylmethionine methylases: ubiquitous tailoring enzymes in natural product biosynthesis. <i>Current Opinion in Chemical Biology</i> , 2016, 35, 73-79.	2.8	34
76	An unusual Burkholderia gladioli double chain-initiating nonribosomal peptide synthetase assembles a fungal icosalide antibiotics. <i>Chemical Science</i> , 2019, 10, 5489-5494.	3.7	34
77	Distinct Extracytoplasmic Siderophore Binding Proteins Recognize Ferrioxamines and Ferricoelichelin in Streptomyces coelicolor A3(2). <i>Biochemistry</i> , 2010, 49, 8033-8042.	1.2	33
78	Stereochemistry and Mechanism of Undecylprodigiosin Oxidative Carbocyclization to Streptorubin B by the Rieske Oxygenase RedG. <i>Journal of the American Chemical Society</i> , 2015, 137, 7889-7897.	6.6	33
79	In Vitro Biosynthetic Studies of Bottromycin Expand the Enzymatic Capabilities of the YcaO Superfamily. <i>Journal of the American Chemical Society</i> , 2017, 139, 18154-18157.	6.6	33
80	Petrobactin biosynthesis: AsbB catalyzes condensation of spermidine with N8-citryl-spermidine and its N1-(3,4-dihydroxybenzoyl) derivative. <i>Chemical Communications</i> , 2008, , 4034.	2.2	31
81	Mechanism of intersubunit ketosynthase dehydratase interaction in polyketide synthases. <i>Nature Chemical Biology</i> , 2018, 14, 270-275.	3.9	31
82	Functional and Structural Analysis of the Siderophore Synthetase AsbB through Reconstitution of the Petrobactin Biosynthetic Pathway from Bacillus anthracis. <i>Journal of Biological Chemistry</i> , 2012, 287, 16058-16072.	1.6	30
83	Unique post-translational oxime formation in the biosynthesis of the azolemycin complex of novel ribosomal peptides from Streptomyces sp. FXJ1.264. <i>Chemical Science</i> , 2016, 7, 482-488.	3.7	29
84	Desferrioxamine biosynthesis: diverse hydroxamate assembly by substrate-tolerant acyl transferase DesC. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2018, 373, 20170068.	1.8	29
85	Protein-protein interactions in trans-AT polyketide synthases. <i>Natural Product Reports</i> , 2018, 35, 1097-1109.	5.2	29
86	A dual transacylation mechanism for polyketide synthase chain release in enacyloxin antibiotic biosynthesis. <i>Nature Chemistry</i> , 2019, 11, 906-912.	6.6	29
87	A combination of polyunsaturated fatty acid, nonribosomal peptide and polyketide biosynthetic machinery is used to assemble the zeamine antibiotics. <i>Chemical Science</i> , 2015, 6, 923-929.	3.7	28
88	Heavy Tools for Genome Mining. <i>Chemistry and Biology</i> , 2007, 14, 7-9.	6.2	25
89	A Flavin-Dependent Decarboxylase Dehydrogenase Monooxygenase Assembles the Warhead of Î±,Î²-Epoxyketone Proteasome Inhibitors. <i>Journal of the American Chemical Society</i> , 2016, 138, 4342-4345.	6.6	24
90	Kill and cure: genomic phylogeny and bioactivity of Burkholderia gladioli bacteria capable of pathogenic and beneficial lifestyles. <i>Microbial Genomics</i> , 2021, 7, .	1.0	24

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91	Mechanisms for incorporation of glycerol-derived precursors into polyketide metabolites. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2006, 33, 105-120.	1.4	23
92	LC-MS-Guided Isolation of Penicilfuranone A: A New Antifibrotic Furancarboxylic Acid from the Plant Endophytic Fungus <i>Penicillium</i> sp. sh18. <i>Journal of Natural Products</i> , 2016, 79, 149-155.	1.5	23
93	Cytochrome P450-mediated hydroxylation is required for polyketide macrolactonization in stambomycin biosynthesis. <i>Journal of Antibiotics</i> , 2014, 67, 71-76.	1.0	22
94	Pentamycin Biosynthesis in Philippine <i>Streptomyces</i> sp. S816: Cytochrome P450-Catalyzed Installation of the C-14 Hydroxyl Group. <i>ACS Chemical Biology</i> , 2019, 14, 1305-1309.	1.6	21
95	Evidence for the Unusual Condensation of a Diketide with a Pentulose in the Methylenomycin Biosynthetic Pathway of <i>Streptomyces coelicolor</i> A3(2). <i>ChemBioChem</i> , 2005, 6, 2166-2170.	1.3	20
96	A crotonyl-CoA reductase-carboxylase independent pathway for assembly of unusual alkylmalonyl-CoA polyketide synthase extender units. <i>Nature Communications</i> , 2016, 7, 13609.	5.8	20
97	Genomics-Driven Discovery of a Novel Glutarimide Antibiotic from <i>Burkholderia gladioli</i> Reveals an Unusual Polyketide Synthase Chain Release Mechanism. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 23145-23153.	7.2	20
98	Structural Basis for Acyl Acceptor Specificity in the Achromobactin Biosynthetic Enzyme AcsD. <i>Journal of Molecular Biology</i> , 2011, 412, 495-504.	2.0	19
99	A talented genus. <i>Nature</i> , 2014, 506, 38-39.	13.7	19
100	Enantioselective desymmetrisation of citric acid catalysed by the substrate-tolerant petrobactin biosynthetic enzyme AsbA. <i>Chemical Communications</i> , 2009, , 1389.	2.2	18
101	A Sweet Origin for the Key Congocidine Precursor 4-Acetamidopyrrole-2-carboxylate. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 7454-7458.	7.2	17
102	Docking domain-mediated subunit interactions in natural product megasynth(et)ases. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2021, 48, .	1.4	17
103	Discovery and Biosynthesis of Bolagladins: Unusual Lipodepsipeptides from <i>Burkholderia gladioli</i> Clinical Isolates**. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 21553-21561.	7.2	16
104	Discovery of the <i>Pseudomonas</i> Polyene Protegencin by a Phylogeny-Guided Study of Polyene Biosynthetic Gene Cluster Diversity. <i>MBio</i> , 2021, 12, e0071521.	1.8	16
105	Molecular basis for control of antibiotic production by a bacterial hormone. <i>Nature</i> , 2021, 590, 463-467.	13.7	15
106	Towards a Biomimetic Synthesis of the Marine Alkaloids Papuamine and Haliclونadamine: Model Studies. <i>Tetrahedron</i> , 2000, 56, 623-628.	1.0	14
107	A butenolide intermediate in methylenomycin furan biosynthesis is implied by incorporation of stereospecifically ¹³ C-labelled glycerols. <i>Chemical Communications</i> , 2010, 46, 4079.	2.2	14
108	Non-linear enzymatic logic in natural product modular mega-synthases and -synthetases. <i>Current Opinion in Drug Discovery & Development</i> , 2007, 10, 203-18.	1.9	13

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109	Oxidative Tailoring Reactions Catalyzed by Nonheme Iron-Dependent Enzymes. <i>Methods in Enzymology</i> , 2012, 516, 195-218.	0.4	12
110	Tailoring Reactions Catalyzed by Heme-Dependent Enzymes. <i>Methods in Enzymology</i> , 2012, 516, 171-194.	0.4	12
111	Rate enhancement in the reduction of (2,3)- β - and (2,3)- β -methyleneepenam β -sulfoxides. <i>Tetrahedron Letters</i> , 1998, 39, 8537-8540.	0.7	11
112	Incorporation of [U-13C]glycerol defines plausible early steps for the biosynthesis of methylenomycin A in <i>Streptomyces coelicolor</i> A3(2). <i>Chemical Communications</i> , 2001, , 935-936.	2.2	11
113	Expanding the Substrate Scope of Nitrating Cytochrome P450 TxtE by Active Site Engineering of a Reductase Fusion. <i>ChemBioChem</i> , 2021, 22, 2262-2265.	1.3	11
114	Cloning and expression of <i>Burkholderia</i> polyene biosynthetic gene clusters in <i>Paraburkholderia</i> hosts provides a strategy for biopesticide development. <i>Microbial Biotechnology</i> , 2022, 15, 2547-2561.	2.0	10
115	Genomic Assemblies of Members of <i>Burkholderia</i> and Related Genera as a Resource for Natural Product Discovery. <i>Microbiology Resource Announcements</i> , 2020, 9, .	0.3	9
116	Engineering <i>Escherichia coli</i> 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. <i>Journal of Molecular Biology</i> , 2015, 427, 2192-2204.	2.0	7
118	Anti-microfouling Activity of <i>Glycomyces sediminimaris</i> UTMC 2460 on Dominant Fouling Bacteria of Iran Marine Habitats. <i>Frontiers in Microbiology</i> , 2018, 9, 3148.	1.5	7
119	Heterologous reconstitution of the biosynthesis pathway for 4-demethyl-premithramycinone, the aglycon of antitumor polyketide mithramycin. <i>Microbial Cell Factories</i> , 2020, 19, 111.	1.9	5
120	Bovistol B, bovistol D and strossmayerin: Sesquiterpene metabolites from the culture filtrate of the basidiomycete <i>Coprinopsis strossmayeri</i> . <i>PLoS ONE</i> , 2020, 15, e0229925.	1.1	5
121	Purification, crystallization and data collection of <i>Pectobacterium chrysanthemi</i> AcsD, a type A siderophore synthetase. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2008, 64, 1052-1055.	0.7	4
122	Structural changes in freshwater fish and chironomids exposed to bacterial exotoxins. <i>Ecotoxicology and Environmental Safety</i> , 2012, 80, 37-44.	2.9	4
123	MmFL catalyses formation of a phosphorylated butenolide intermediate in methylenomycin furan biosynthesis. <i>Chemical Communications</i> , 2020, 56, 14443-14446.	2.2	4
124	Editorial: Biosynthetic assembly lines themed issue. <i>Natural Product Reports</i> , 2016, 33, 120-121.	5.2	3
125	Relative stereochemical assignment of C-33 and C-35 in the antibiotic gladiolin. <i>Tetrahedron</i> , 2018, 74, 5150-5155.	1.0	3
126	Genomics-Driven Discovery of a Novel Glutarimide Antibiotic from <i>Burkholderia gladioli</i> Reveals an Unusual Polyketide Synthase Chain Release Mechanism. <i>Angewandte Chemie</i> , 2020, 132, 23345-23353.	1.6	3

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127	Synthesis of the C1–C27 Fragment of Stambomycin D Validates Modular Polyketide Synthase-Based Stereochemical Assignments. <i>Organic Letters</i> , 2021, 23, 7439-7444.	2.4	3
128	A Widely Distributed Bacterial Pathway for Siderophore Biosynthesis Independent of Nonribosomal Peptide Synthetases. <i>ChemBioChem</i> , 2007, 8, 1477-1477.	1.3	2
129	Exploiting Genomics for New Natural Product Discovery in Prokaryotes. , 2010, , 429-453.		2
130	Editorial: Fungal natural products themed issue. <i>Natural Product Reports</i> , 2014, 31, 1241-1241.	5.2	2
131	Understanding biosynthetic protein–protein interactions. <i>Natural Product Reports</i> , 2018, 35, 1118-1119.	5.2	1
132	Discovery and Biosynthesis of Bolagladins: Unusual Lipodepsipeptides from <i>Burkholderia gladioli</i> Clinical Isolates**. <i>Angewandte Chemie</i> , 2020, 132, 21737-21745.	1.6	1
133	Synthesis of the C50 diastereomers of the C33–C51 fragment of stambomycin D. <i>Organic Chemistry Frontiers</i> , 2022, 9, 445-449.	2.3	1
134	Concise Synthesis of Key 3-Polyenoyl-5-methylenefuran-2,4-dione Putative Intermediates in Quartromicin Biosynthesis. <i>Synlett</i> , 2008, 2008, 2164-2168.	1.0	0