Christopher M Thomas

List of Publications by Year
in descending order

167 papers	12,755 citations	34105 52 h-index	27406 106 g-index
178 all docs	178 docs citations	178 times ranked	11761 citing authors

#	Article	IF	Citations
1	Mechanisms of, and Barriers to, Horizontal Gene Transfer between Bacteria. Nature Reviews Microbiology, 2005, 3, 711-721.	28.6	1,654
2	The role of the natural environment in the emergence of antibiotic resistance in Gram-negative bacteria. Lancet Infectious Diseases, The, 2013, 13, 155-165.	9.1	839
3	Alternatives to antibioticsâ€"a pipeline portfolio review. Lancet Infectious Diseases, The, 2016, 16, 239-251.	9.1	720
4	Minimum Information about a Biosynthetic Gene cluster. Nature Chemical Biology, 2015, 11, 625-631.	8.0	715
5	[17] Plasmid cloning vehicles derived from plasmids ColE1, F, R6K, and RK2. Methods in Enzymology, 1979, 68, 268-280.	1.0	555
6	Complete Nucleotide Sequence of Birmingham IncPÎ± Plasmids. Journal of Molecular Biology, 1994, 239, 623-663.	4.2	502
7	Genomic and genetic analyses of diversity and plant interactions of Pseudomonas fluorescens. Genome Biology, 2009, 10, R51.	9.6	370
8	A chain initiation factor common to both modular and aromatic polyketide synthases. Nature, 1999, 401, 502-505.	27.8	254
9	Characterization of the Mupirocin Biosynthesis Gene Cluster from Pseudomonas fluorescens NCIMB 10586. Chemistry and Biology, 2003, 10, 419-430.	6.0	251
10	Complete sequence of the IncPÎ² plasmid R751: implications for evolution and organisation of the IncP backbone. Journal of Molecular Biology, 1998, 282, 969-990.	4.2	222
11	Complete sequence of the IncP-9 TOL plasmid pWW0 from Pseudomonas putida. Environmental Microbiology, 2002, 4, 856-871.	3.8	208
12	The bacterial ParA-ParB partitioning proteins. Journal of Biotechnology, 2001, 91, 1-34.	3.8	192
13	Paradigms of plasmid organization. Molecular Microbiology, 2002, 37, 485-491.	2.5	185
14	Nucleotide sequence of the region of the origin of replication of the broad host range plasmid RK2. Molecular Genetics and Genomics, 1981, 181, 8-12.	2.4	180
15	Resistance to and synthesis of the antibiotic mupirocin. Nature Reviews Microbiology, 2010, 8, 281-289.	28.6	178
16	Complete Genome Sequence and Comparative Metabolic Profiling of the Prototypical Enteroaggregative Escherichia coli Strain 042. PLoS ONE, 2010, 5, e8801.	2.5	165
17	Solution Structure of the Actinorhodin Polyketide Synthase Acyl Carrier Protein fromStreptomyces coelicolorA3(2)â€,â€¡. Biochemistry, 1997, 36, 6000-6008.	2.5	147
18	Quorum-sensing-dependent regulation of biosynthesis of the polyketide antibiotic mupirocin in Pseudomonas fluorescens NCIMB 10586 The GenBank accession numbers for the sequences determined in this work are AF318063 (mupA), AF318064 (mupR) and AF318065 (mupI).. Microbiology (United Kingdom), 2001, 147, 2127-2139.	1.8	126

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19	Nucleotide sequence of the trfA gene of broad host-range plasmid RK2. Journal of Molecular Biology, 1984, 175, 251-262.	4.2	112
20	Analysis of the trfA region of broad host-range plasmid RK2 by transposon mutagenesis and identification of polypeptide products. Journal of Molecular Biology, 1984, 175, 229-249.	4.2	111
21	Complementation analysis of replication and maintenance functions of broad host range plasmids RK2 and RP1. Plasmid, 1981, 5, 277-291.	1.4	106
22	Control of genes for conjugative transfer of plasmids and other mobile elements. FEMS Microbiology Reviews, 1998, 21, 291-319.	8.6	100
23	Molecular genetics of broad host range plasmid RK2. Plasmid, 1981, 5, 10-19.	1.4	96
24	The complete nucleotide sequence and environmental distribution of the cryptic, conjugative, broad-host-range plasmid pIPO2 isolated from bacteria of the wheat rhizosphere The GenBank accession number for the pIPO2T sequence reported in this paper is AJ297913.. Microbiology (United) Tj ETQq0 0 0 rgBT /Overlock 10 T	1.8	94
25	Replication and incompatibility properties of segments of the origin region of replication of the broad host range plasmid RK2. Molecular Genetics and Genomics, 1981, 181, 1-7.	2.4	93
26	Conjugative transfer functions of broad-host-range plasmid RK2 are coregulated with vegetative replication. Molecular Microbiology, 1992, 6, 907-920.	2.5	89
27	ParB of Pseudomonas aeruginosa: Interactions with Its Partner ParA and Its Target parS and Specific Effects on Bacterial Growth. Journal of Bacteriology, 2004, 186, 6983-6998.	2.2	89
28	One pathway, many compounds: heterologous expression of a fungal biosynthetic pathway reveals its intrinsic potential for diversity. Chemical Science, 2013, 4, 3845.	7.4	89
29	Oxidative dearomatisation: the key step of sorbicillinoid biosynthesis. Chemical Science, 2014, 5, 523-527.	7.4	84
30	Increased Abundance of IncP-1Î² Plasmids and Mercury Resistance Genes in Mercury-Polluted River Sediments: First Discovery of IncP-1Î² Plasmids with a Complex mer Transposon as the Sole Accessory Element. Applied and Environmental Microbiology, 2006, 72, 7253-7259.	3.1	83
31	Deletion mapping of kil and kor functions in the trfA and trfB regions of broad host range plasmid RK2. Molecular Genetics and Genomics, 1983, 190, 245-254.	2.4	81
32	ThetrfBregion of broad host range plasmid RK2: the nucleotlde sequence revealsincCand key regulatory genetrfB/korA/korDas overlapping genes. Nucleic Acids Research, 1986, 14, 4453-4469.	14.5	80
33	Regulatory circuits for plasmid survival. Current Opinion in Microbiology, 2001, 4, 194-200.	5.1	79
34	A conserved motif flags acyl carrier proteins for Î²-branching in polyketide synthesis. Nature Chemical Biology, 2013, 9, 685-692.	8.0	78
35	Fitness of Escherichia coli strains carrying expressed and partially silent IncN and IncP1 plasmids. BMC Microbiology, 2012, 12, 53.	3.3	77
36	ThetrfA andtrfB promoter regions of broad host range plasmid RK2 share common potential regulatory sequences. Nucleic Acids Research, 1984, 12, 3619-3630.	14.5	74

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37	The partitioning activity of the RK2 central control region requires only incC, korB and KorB-binding site OB3 but other KorB-binding sites form destabilizing complexes in the absence of Ob3. Microbiology (United Kingdom), 1998, 144, 3369-3378.	1.8	72
38	Different Pathways to Acquiring Resistance Genes Illustrated by the Recent Evolution of IncW Plasmids. Antimicrobial Agents and Chemotherapy, 2008, 52, 1472-1480.	3.2	71
39	The programming role of trans-acting enoyl reductases during the biosynthesis of highly reduced fungal polyketides. Chemical Science, 2011, 2, 972.	7.4	71
40	Strobilurin biosynthesis in Basidiomycete fungi. Nature Communications, 2018, 9, 3940.	12.8	71
41	Stereocontrolled synthesis of 2,4,5-trisubstituted tetrahydropyrans. Chemical Communications, 2001, , 835-836.	4.1	70
42	A Mammalian Type I Fatty Acid Synthase Acyl Carrier Protein Domain Does Not Sequester Acyl Chains. Journal of Biological Chemistry, 2008, 283, 518-528.	3.4	69
43	Heterologous expression of the avirulence gene ACE1 from the fungal rice pathogen Magnaporthe oryzae. Chemical Science, 2015, 6, 4837-4845.	7.4	69
44	Transcription in the trfA region of broad host range plasmid RK2 is regulated by trfB and korB. Molecular Genetics and Genomics, 1984, 195, 523-529.	2.4	66
45	Replication of mini RK2 plasmid in extracts of Escherichia coli requires plasmid-encoded protein TrfA and host-encoded proteins DnaA, B, G DNA gyrase and DNA polymerase III. Journal of Molecular Biology, 1988, 203, 927-938.	4.2	66
46	Properties of the Soluble Polypeptide of the Proton-Translocating Transhydrogenase from Rhodospirillum rubrum Obtained by Expression in Escherichia coli. FEBS Journal, 1995, 228, 719-726.	0.2	66
47	Regulation of thetrfAandtrfBpromoters of broad host range plasmid RK2: identification of sequences essential for regulation bytrfB/korA/korD. Nucleic Acids Research, 1985, 13, 8129-8142.	14.5	65
48	Annotation of plasmid genes. Plasmid, 2017, 91, 61-67.	1.4	63
49	Multifunctional repressor KorB can block transcription by preventing isomerization of RNA polymerase â€“ promoter complexes. Nucleic Acids Research, 1993, 21, 1141-1148.	14.5	61
50	A Natural Plasmid Uniquely Encodes Two Biosynthetic Pathways Creating a Potent Anti-MRSA Antibiotic. PLoS ONE, 2011, 6, e18031.	2.5	59
51	Tandemly Duplicated Acyl Carrier Proteins, Which Increase Polyketide Antibiotic Production, Can Apparently Function Either in Parallel or in Series. Journal of Biological Chemistry, 2005, 280, 6399-6408.	3.4	58
52	Purification of KorA Protein from Broad Host Range Plasmid RK2: Definition of a Hierarchy of KorA Operators. Journal of Molecular Biology, 1995, 253, 39-50.	4.2	56
53	Heterologous Production of Fungal Maleidrides Reveals the Cryptic Cyclization Involved in their Biosynthesis. Angewandte Chemie - International Edition, 2016, 55, 6784-6788.	13.8	55
54	Nucleotide sequence of the transcriptional repressor genekorBwhich plays a key role in regulation of the copy number of broad host range plasmid RK2. Nucleic Acids Research, 1987, 15, 7443-7450.	14.5	54

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55	Crosstalk between plasmid vegetative replication and conjugative transfer: repression of thetrfAoperon bytrbAof broad host range plasmid RK2. Nucleic Acids Research, 1992, 20, 3939-3944.	14.5	54
56	Cooperativity between KorB and TrbA Repressors of Broad-Host-Range Plasmid RK2. Journal of Bacteriology, 2001, 183, 1022-1031.	2.2	51
57	Divergence and conservation of the partitioning and global regulation functions in the central control region of the IncP plasmids RK2 and R751. Microbiology (United Kingdom), 1997, 143, 2167-2177.	1.8	50
58	Mupirocin: biosynthesis, special features and applications of an antibiotic from a Gram-negative bacterium. Applied Microbiology and Biotechnology, 2011, 90, 11-21.	3.6	49
59	Post-translational modification of heterologously expressed Streptomyces type II polyketide synthase acyl carrier proteins. FEBS Letters, 1997, 405, 267-272.	2.8	45
60	kfrA gene of broad host range plasmid RK2 encodes a novel DNA-binding protein. Journal of Molecular Biology, 1992, 225, 651-660.	4.2	43
61	An efficient stress-free strategy to displace stable bacterial plasmids. BioTechniques, 2010, 48, 223-228.	1.8	43
62	Comparison of the organisation of the genomes of phenotypically diverse plasmids of incompatibility group P: members of the IncPÎ² sub-group are closely related. Molecular Genetics and Genomics, 1987, 206, 419-427.	2.4	42
63	Conserved C-terminal region of global repressor KorA of broad-host-range plasmid RK2 is required for co-operativity between KorA and a second RK2 global regulator, KorB. Journal of Molecular Biology, 1999, 289, 211-221.	4.2	42
64	Plasmid interference for curing antibiotic resistance plasmids in vivo. PLoS ONE, 2017, 12, e0172913.	2.5	42
65	Characterisation of the biosynthetic pathway to agnestins A and B reveals the reductive route to chrysophanol in fungi. Chemical Science, 2019, 10, 233-238.	7.4	42
66	Conformational Dynamics of a Mobile Loop in the NAD(H)-Binding Subunit of Proton-Translocating Transhydrogenases from Rhodospirillum Rubrum and Escherichia Coli. FEBS Journal, 1995, 232, 315-326.	0.2	41
67	Mupirocin H, a novel metabolite resulting from mutation of the HMG-CoA synthase analogue, mupH in Pseudomonas fluorescens. Chemical Communications, 2007, , 2040.	4.1	41
68	The relation between the soluble factor associated with H+-transhydrogenase of Rhodospirillum rubrum and the enzyme from mitochondria and Escherichia coli. Biochimica Et Biophysica Acta - Bioenergetics, 1992, 1100, 332-338.	1.0	40
69	Biosynthesis of Mupirocin by <i>Pseudomonas fluorescens</i> NCIMB 10586 Involves Parallel Pathways. Journal of the American Chemical Society, 2014, 136, 5501-5507.	13.7	40
70	Structure revision of cryptosporioptides and determination of the genetic basis for dimeric xanthone biosynthesis in fungi. Chemical Science, 2019, 10, 2930-2939.	7.4	40
71	Gene regulation on broad host range plasmid RK2: identification of three novel operons whose transcription is repressed by both KorA and KorC. Nucleic Acids Research, 1988, 16, 5345-5359.	14.5	39
72	Genetic and Biosynthetic Studies of the Fungal Prenylated Xanthone Shamixanthone and Related Metabolites in <i>Aspergillus spp.</i> Revisited. ChemBioChem, 2012, 13, 1680-1688.	2.6	38

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73	IncC of Broad-Host-Range Plasmid RK2 Modulates KorB Transcriptional Repressor Activity In Vivo and Operator Binding In Vitro. Journal of Bacteriology, 1999, 181, 2807-2815.	2.2	38
74	Comparison of the nucleotide sequences of the vegetative replication origins of broad host range IncP plasmids R751 and RK2 reveals conserved features of probable functional importance. Nucleic Acids Research, 1985, 13, 557-572.	14.5	37
75	Conservation of the Genetic Switch between Replication and Transfer Genes of IncP Plasmids but Divergence of the Replication Functions Which Are Major Host-Range Determinants. Plasmid, 1996, 36, 95-111.	1.4	37
76	Engineered Thiomarinol Antibiotics Active against MRSA Are Generated by Mutagenesis and Mutasynthesis of <i>Pseudoalteromonas</i> SANK73390. Angewandte Chemie - International Edition, 2011, 50, 3271-3274.	13.8	37
77	The hierarchy of KorB binding at its 12 binding sites on the broad-host-range plasmid RK2 and modulation of this binding by IncC1 protein 1 1Edited by J. Karn. Journal of Molecular Biology, 2000, 295, 411-422.	4.2	36
78	Mutational Analysis Reveals That All Tailoring Region Genes Are Required for Production of Polyketide Antibiotic Mupirocin by Pseudomonas fluorescens. Journal of Biological Chemistry, 2007, 282, 15451-15461.	3.4	36
79	Flexibility in Repression and Cooperativity by KorB of Broad Host Range IncP-1 Plasmid RK2. Journal of Molecular Biology, 2005, 349, 302-316.	4.2	35
80	Biosynthesis of thiomarinol A and related metabolites of Pseudoalteromonas sp. SANK 73390. Chemical Science, 2014, 5, 397-402.	7.4	35
81	Recent studies on the control of plasmid replication. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 1988, 949, 253-263.	2.4	34
82	Mupirocin W, a novel pseudomonic acid produced by targeted mutation of the mupirocin biosynthetic gene cluster. Chemical Communications, 2005, , 1179.	4.1	33
83	In vivo Mutational Analysis of the Mupirocin Gene Cluster Reveals Labile Points in the Biosynthetic Pathway: the â€œLeaky Hosepipeâ€•Mechanism. ChemBioChem, 2008, 9, 1500-1508.	2.6	33
84	Identification of a seventh operon on plasmid RK2 regulated by the korA gene product. Gene, 1990, 89, 29-35.	2.2	32
85	Dissection of the Core and Auxiliary Sequences in the Vegetative Replication Origin of Promiscuous Plasmid RK2. Journal of Molecular Biology, 1995, 254, 608-622.	4.2	32
86	Two Related Rolling Circle Replication Plasmids from Salt-Tolerant Bacteria. Plasmid, 1996, 36, 191-199.	1.4	32
87	Interaction of Nucleotides with the NAD(H)-binding Domain of the Proton-translocating Transhydrogenase of Rhodospirillum rubrum. Journal of Biological Chemistry, 1996, 271, 10103-10108.	3.4	32
88	Streptomyces coelicolor phosphopantetheinyl transferase: a promiscuous activator of polyketide and fatty acid synthase acyl carrier proteins. Journal of the Chemical Society, Perkin Transactions 1, 2002, , 1644-1649.	1.3	32
89	Analysis of the vegetative replication origin of broad-host-range plasmid RK2 by transposon mutagenesis. Plasmid, 1986, 15, 132-146.	1.4	31
90	Cultivation-Independent Screening Revealed Hot Spots of IncP-1, IncP-7 and IncP-9 Plasmid Occurrence in Different Environmental Habitats. PLoS ONE, 2014, 9, e89922.	2.5	31

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91	Dissection of the switch between genes for replication and transfer of promiscuous plasmid RK2: basis of the dominance of trfAp over trbAp and specificity for KorA in controlling the switch. Journal of Molecular Biology, 1997, 265, 507-518.	4.2	30
92	A versatile approach to the total synthesis of the pseudomonic acids. Chemical Communications, 2000, , 1109-1110.	4.1	30
93	Acquisition and Loss of CTX-M-Producing and Non-Producing Escherichia coli in the Fecal Microbiome of Travelers to South Asia. MBio, 2018, 9, .	4.1	30
94	Acylation ofStreptomycestype II polyketide synthase acyl carrier proteins. FEBS Letters, 1998, 433, 132-138.	2.8	29
95	Shift to Pseudomonic Acid B Production in P. fluorescens NCIMB10586 by Mutation of Mupirocin Tailoring Genes mupO, mupU, mupV, and macpE. Chemistry and Biology, 2005, 12, 825-833.	6.0	29
96	The kfrA gene is the first in a tricistronic operon required for survival of IncP-1 plasmid R751. Microbiology (United Kingdom), 2006, 152, 1621-1637.	1.8	29
97	The cycloaspeptides: uncovering a new model for methylated nonribosomal peptide biosynthesis. Chemical Science, 2018, 9, 4109-4117.	7.4	28
98	The replication and stable-inheritance functions of IncP-9 plasmid pM3 The GenBank accession number for the sequence reported in this paper is AF078924.. Microbiology (United Kingdom), 2000, 146, 2249-2258.	1.8	27
99	Antimicrobial properties of Pseudomonas strains producing the antibiotic mupirocin. Research in Microbiology, 2014, 165, 695-704.	2.1	26
100	Interdomain hydride transfer in proton-translocating transhydrogenase. Biochimica Et Biophysica Acta - Bioenergetics, 1998, 1365, 79-86.	1.0	25
101	Biosynthetic studies on pseudomonic acid (mupirocin), a novel antibiotic metabolite of Pseudomonas fluorescens. Journal of the Chemical Society Perkin Transactions 1, 1989, , 207.	0.9	24
102	Substrate selectivity of an isolated enoyl reductase catalytic domain from an iterative highly reducing fungal polyketide synthase reveals key components of programming. Chemical Science, 2017, 8, 1116-1126.	7.4	24
103	Evidence for the involvement of the incC locus of broad host range plasmid RK2 in plasmid maintenance. Plasmid, 1986, 16, 15-29.	1.4	23
104	Determination by NMR methods of the structure and stereochemistry of astellatol, a new and unusual sesterterpene. Magnetic Resonance in Chemistry, 1992, 30, S18-S23.	1.9	23
105	Structure elucidation and synthesis of (4S,5S,6Z,8Eâ€Š)-5-hydroxydeca-6,8-dien-4-olide [(S,S)-sapinofuranone B]â€"a novel Î³-lactone metabolite of Acremonium strictum. Journal of the Chemical Society, Perkin Transactions 1, 2000, , 2475-2481.	1.3	23
106	Fungal polyketide biosynthesis â€" a personal perspective. Natural Product Reports, 2014, 31, 1247-1252.	10.3	23
107	Kinetic characterisation of the FAD dependent monooxygenase TropB and investigation of its biotransformation potential. RSC Advances, 2015, 5, 49987-49995.	3.6	23
108	Analysis of nonpolar insertion mutations in the trfA gene of IncP plasmid RK2 which affect its broad-host-range property. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 1989, 1007, 301-308.	2.4	22

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109	Molecular basis of methylation and chain-length programming in a fungal iterative highly reducing polyketide synthase. Chemical Science, 2019, 10, 8478-8489.	7.4	22
110	Instability of a high-copy-number mutant of a miniplasmid derived from broad host range IncP plasmid RK2. Plasmid, 1983, 10, 184-195.	1.4	21
111	A Rieske oxygenase/epoxide hydrolase-catalysed reaction cascade creates oxygen heterocycles in mupirocin biosynthesis. Nature Catalysis, 2018, 1, 968-976.	34.4	21
112	Mutations at tyrosine-235 in the mobile loop region of domain I protein of transhydrogenase from Rhodospirillum rubrum strongly inhibit hydride transfer. Biochimica Et Biophysica Acta - Bioenergetics, 1997, 1320, 265-274.	1.0	20
113	Elucidation of the relative and absolute stereochemistry of the kalimantacin/batumin antibiotics. Chemical Science, 2017, 8, 6196-6201.	7.4	20
114	The Kalimantacin Polyketide Antibiotics Inhibit Fatty Acid Biosynthesis in Staphylococcus aureus by Targeting the Enoylâ€Acyl Carrier Protein Binding Site of FabI. Angewandte Chemie - International Edition, 2020, 59, 10549-10556.	13.8	20
115	Co-operative interactions control conjugative transfer of broad host-range plasmid RK2: full effect of minor changes in TrbA operator depends on KorB. Molecular Microbiology, 2003, 49, 1095-1108.	2.5	19
116	Evolution and Population Genetics of Bacterial Plasmids. , 0, , 507-528.		18
117	NMR studies of tautomerism in the fungal melanin biosynthesis intermediate 1,3,8-trihydroxynaphthalene. Journal of the Chemical Society, Perkin Transactions 1, 2000, , 2771-2775.	1.3	17
118	The mobile loop region of the NAD(H) binding component (dI) of proton-translocating nicotinamide nucleotide transhydrogenase from Rhodospirillum rubrum: complete NMR assignment and effects of bound nucleotides. Biochimica Et Biophysica Acta - Bioenergetics, 1999, 1412, 139-148.	1.0	16
119	Complete Nucleotide Sequence of the Replicator Region ofParacoccus(Thiobacillus)versutuspTAV1 Plasmid and Its Correlation to Several Plasmids ofAgrobacteriumandRhizobiumSpecies. Plasmid, 1997, 38, 53-59.	1.4	15
120	Mutational analysis of the global regulator KorA of broad-host-range plasmid RK2. Journal of Molecular Biology, 1998, 281, 453-463.	4.2	15
121	Ability of IncP-9 plasmid pM3 to replicate in Escherichia coli is dependent on both rep and par functions. Molecular Microbiology, 2005, 57, 819-833.	2.5	15
122	Dissection of the region of Pseudomonas aeruginosa ParA that is important for dimerization and interactions with its partner ParB. Microbiology (United Kingdom), 2014, 160, 2406-2420.	1.8	15
123	Selected Mutations Reveal New Intermediates in the Biosynthesis of Mupirocin and the Thiomarinol Antibiotics. Angewandte Chemie - International Edition, 2017, 56, 3930-3934.	13.8	15
124	Proton-translocating transhydrogenase in bacteria. Biochemical Society Transactions, 1993, 21, 1010-1013.	3.4	14
125	Evolution of the korA-oriV segment of promiscuous IncP plasmids. Microbiology (United Kingdom), 1995, 141, 1201-1210.	1.8	14
126	Role of Methionine-239, an Amino Acid Residue in the Mobile-Loop Region of the NADH-Binding Domain (Domain I) of Proton-Translocating Transhydrogenase. Biochemistry, 1997, 36, 14762-14770.	2.5	14

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127	Distribution of the partitioning protein KorB on the genome of IncP-1 plasmid RK2. Plasmid, 2008, 59, 163-175.	1.4	14
128	Mixing and matching genes of marine and terrestrial origin in the biosynthesis of the mupirocin antibiotics. Chemical Science, 2020, 11, 5221-5226.	7.4	14
129	Inhibition of proton-translocating transhydrogenase from photosynthetic bacteria by N,N'-dicyclohexylcarbodiimide. FEBS Journal, 1993, 211, 663-669.	0.2	13
130	Phosphopantetheinylation and Specificity of Acyl Carrier Proteins in the Mupirocin Biosynthetic Cluster. ChemBioChem, 2010, 11, 248-255.	2.6	13
131	Manipulation of quorum sensing regulation in Pseudomonas fluorescens NCIMB 10586 to increase mupirocin production. Applied Microbiology and Biotechnology, 2011, 90, 1017-1026.	3.6	13
132	Control of Î²â€Branching in Kalimantacin Biosynthesis: Application of ¹³Câ€...NMR to Polyketide Programming. Angewandte Chemie - International Edition, 2019, 58, 12446-12450.	13.8	13
133	DNA recognition by the KorA proteins of IncP-1 plasmids RK2 and R751. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 2002, 1576, 110-118.	2.4	12
134	Transcriptional regulation of pWW0 transfer genes in Pseudomonas putida KT2440. Plasmid, 2004, 52, 169-181.	1.4	12
135	A single aromatic residue in transcriptional repressor protein KorA is critical for cooperativity with its coâ€regulator KorB. Molecular Microbiology, 2008, 70, 1502-1514.	2.5	12
136	Cefotaxime Resistant Escherichia coli Collected from a Healthy Volunteer; Characterisation and the Effect of Plasmid Loss. PLoS ONE, 2013, 8, e84142.	2.5	12
137	Mutation of Tyr235 in the NAD(H)-binding Subunit of the Proton-translocating Nicotinamide Nucleotide Transhydrogenase of Rhodospirillum rubrum Affects the Conformational Dynamics of a Mobile Loop and Lowers the Catalytic Activity of the Enzyme. Journal of Biological Chemistry, 1996, 271, 10109-10115.	3.4	11
138	Recognition of extended linear and cyclised polyketide mimics by a type II acyl carrier protein. Chemical Science, 2016, 7, 1779-1785.	7.4	11
139	Broad host range plasm id RK2 encodes a polypeptide related to single-stranded DNA binding protein (SSB) ofEscherichia coli. Nucleic Acids Research, 1990, 18, 2812-2812.	14.5	10
140	Oryzines A & B, Maleidride Congeners from Aspergillus oryzae and Their Putative Biosynthesis. Journal of Fungi (Basel, Switzerland), 2018, 4, 96.	3.5	10
141	Potentiation of curing by a broad-host-range self-transmissible vector for displacing resistance plasmids to tackle AMR. PLoS ONE, 2020, 15, e0225202.	2.5	10
142	Curing vector for IncI1 plasmids and its use to provide evidence for a metabolic burden of IncI1 CTX-M-1 plasmid pIFM3791 on Klebsiella pneumoniae. Journal of Medical Microbiology, 2016, 65, 611-618.	1.8	10
143	Synthetic and mechanistic studies on fungal metabolic pathways: A guide to fungicide design. Pest Management Science, 1991, 31, 539-554.	0.4	9
144	Mupirocin F: structure elucidation, synthesis and rearrangements. Tetrahedron, 2011, 67, 5098-5106.	1.9	9

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145	Heterologe Produktion pilzlicher Maleidride enthÃ¼llt die kryptische Cyclisierung in ihrer Biosynthese. Angewandte Chemie, 2016, 128, 6896-6900.	2.0	9
146	A Priming Cassette Generates Hydroxylated Acyl Starter Units in Mupirocin and Thiomarinol Biosynthesis. ACS Chemical Biology, 2020, 15, 494-503.	3.4	9
147	Defining the genes for the final steps in biosynthesis of the complex polyketide antibiotic mupirocin by Pseudomonas fluorescens NCIMB10586. Scientific Reports, 2019, 9, 1542.	3.3	8
148	Cochliobolic Acid, a Novel Metabolite Produced by Cochliobolus lunatus, Inhibits Binding of TGF-Î± to the EGF Receptor in a SPA Assay. Journal of Natural Products, 1997, 60, 6-8.	3.0	7
149	Flexibility of KorA, a plasmid-encoded, global transcription regulator, in the presence and the absence of its operator. Nucleic Acids Research, 2016, 44, 4947-4956.	14.5	6
150	Intrinsic disorder in the partitioning protein KorB persists after co-operative complex formation with operator DNA and KorA. Biochemical Journal, 2017, 474, 3121-3135.	3.7	6
151	The Kalimantacin Polyketide Antibiotics Inhibit Fatty Acid Biosynthesis in <i>Staphylococcus aureus</i> by Targeting the Enoylâ€Acyl Carrier Protein Binding Site of FabI. Angewandte Chemie, 2020, 132, 10636-10643.	2.0	6
152	Total Synthesis of Kalimantacin A. Organic Letters, 2020, 22, 6349-6353.	4.6	5
153	Adaptation for Protein Synthesis Efficiency in a Naturally Occurring Self-Regulating Operon. PLoS ONE, 2012, 7, e49678.	2.5	5
154	Classifying mobile genetic elements and their interactions from sequence data: The importance of existing biological knowledge. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, e2104685118.	7.1	4
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