

# Mohamed A Marahiel

## List of Publications by Year in descending order

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238  
papers

26,781  
citations

4960

84  
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6996

154  
g-index

252  
all docs

252  
docs citations

252  
times ranked

15358  
citing authors

#	ARTICLE	IF	CITATIONS
1	Communication Breakdown: Dissecting the COM Interfaces between the Subunits of Nonribosomal Peptide Synthetases. <i>ACS Catalysis</i> , 2021, 11, 10802-10813.	11.2	14
2	Genome Mining and Heterologous Expression Reveal Two Distinct Families of Lasso Peptides Highly Conserved in Endofungal Bacteria. <i>ACS Chemical Biology</i> , 2020, 15, 1169-1176.	3.4	20
3	<i>Enterobacter bugandensis</i> : a novel enterobacterial species associated with severe clinical infection. <i>Scientific Reports</i> , 2018, 8, 5392.	3.3	61
4	Structural Basis for Natural Product Selection and Export by Bacterial ABC Transporters. <i>ACS Chemical Biology</i> , 2018, 13, 1598-1609.	3.4	33
5	Structural and mutational analysis of the nonribosomal peptide synthetase heterocyclization domain provides insight into catalysis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 95-100.	7.1	75
6	Signatures of Mechanically Interlocked Topology of Lasso Peptides by Ion Mobility- <sup>+</sup> Mass Spectrometry: Lessons from a Collection of Representatives. <i>Journal of the American Society for Mass Spectrometry</i> , 2017, 28, 315-322.	2.8	17
7	Crystal Structure of <i>Bacillus subtilis</i> Cysteine Desulfurase SufS and Its Dynamic Interaction with Frataxin and Scaffold Protein SufU. <i>PLoS ONE</i> , 2016, 11, e0158749.	2.5	24
8	Insights into the Unique Phosphorylation of the Lasso Peptide Paeninodin. <i>Journal of Biological Chemistry</i> , 2016, 291, 13662-13678.	3.4	100
9	Dual substrate-controlled kinase activity leads to polyphosphorylated lasso peptides. <i>FEBS Letters</i> , 2016, 590, 3323-3334.	2.8	23
10	Structure and Mechanism of the Sphingopyxin-...I Lasso Peptide Isopeptidase. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 12717-12721.	13.8	27
11	Structure and Mechanism of the Sphingopyxin-...I Lasso Peptide Isopeptidase. <i>Angewandte Chemie</i> , 2016, 128, 12909-12913.	2.0	2
12	The B1 Protein Guides the Biosynthesis of a Lasso Peptide. <i>Scientific Reports</i> , 2016, 6, 35604.	3.3	48
13	The ring residue proline 8 is crucial for the thermal stability of the lasso peptide caulosegnin II. <i>Molecular BioSystems</i> , 2016, 12, 1106-1109.	2.9	35
14	A structural model for multimodular NRPS assembly lines. <i>Natural Product Reports</i> , 2016, 33, 136-140.	10.3	110
15	Rational and combinatorial tailoring of bioactive cyclic dipeptides. <i>Frontiers in Microbiology</i> , 2015, 6, 785.	3.5	67
16	Molecular Insights into Frataxin-Mediated Iron Supply for Heme Biosynthesis in <i>Bacillus subtilis</i> . <i>PLoS ONE</i> , 2015, 10, e0122538.	2.5	23
17	The PqqD homologous domain of the radical SAM enzyme ThnB is required for thioether bond formation during thurincin H maturation. <i>FEBS Letters</i> , 2015, 589, 1802-1806.	2.8	60
18	Ion Mobility- <sup>+</sup> Mass Spectrometry of Lasso Peptides: Signature of a Rotaxane Topology. <i>Analytical Chemistry</i> , 2015, 87, 1166-1172.	6.5	48

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19	Lasso Peptides: An Intriguing Class of Bacterial Natural Products. <i>Accounts of Chemical Research</i> , 2015, 48, 1909-1919.	15.6	290
20	Catalytic mechanism and allosteric regulation of an oligomeric (p)ppGpp synthetase by an alarmone. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 13348-13353.	7.1	111
21	Peptide Antibiotics. , 2014, , 897-916.		45
22	Xanthomoninsâ€¦.â€œIII: A New Class of Lasso Peptides with a Sevenâ€œResidue Macrolactam Ring. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 2230-2234.	13.8	72
23	The tRNA-Dependent Biosynthesis of Modified Cyclic Dipeptides. <i>International Journal of Molecular Sciences</i> , 2014, 15, 14610-14631.	4.1	68
24	Crystal Structure of a PCP/Sfp Complex Reveals the Structural Basis for Carrier Protein Posttranslational Modification. <i>Chemistry and Biology</i> , 2014, 21, 552-562.	6.0	37
25	Characterization of caulonodin lasso peptides revealed unprecedented N-terminal residues and a precursor motif essential for peptide maturation. <i>Chemical Science</i> , 2014, 5, 4032-4043.	7.4	40
26	Rational Improvement of the Affinity and Selectivity of Integrin Binding of Grafted Lasso Peptides. <i>Journal of Medicinal Chemistry</i> , 2014, 57, 5829-5834.	6.4	68
27	Structural Characterization of the Heterobactin Siderophores from <i>Rhodococcus erythropolis</i> PR4 and Elucidation of Their Biosynthetic Machinery. <i>Journal of Natural Products</i> , 2013, 76, 2282-2290.	3.0	52
28	Caulosegnins â€œIII: A Highly Diverse Group of Lasso Peptides Derived from a Single Biosynthetic Gene Cluster. <i>Journal of the American Chemical Society</i> , 2013, 135, 210-222.	13.7	99
29	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
30	The <i>Bacillus subtilis</i> EfeUOB transporter is essential for high-affinity acquisition of ferrous and ferric iron. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2013, 1833, 2267-2278.	4.1	84
31	Radical S-adenosylmethionine enzyme catalyzed thioether bond formation in sactipeptide biosynthesis. <i>Current Opinion in Chemical Biology</i> , 2013, 17, 605-612.	6.1	78
32	Uptake of xenosiderophores in <i>Bacillus subtilis</i> occurs with high affinity and enhances the folding stabilities of substrate binding proteins. <i>FEBS Letters</i> , 2013, 587, 206-213.	2.8	24
33	The Astexin-1 Lasso Peptides: Biosynthesis, Stability, and Structural Studies. <i>Chemistry and Biology</i> , 2013, 20, 558-569.	6.0	79
34	Insights into the Generation of Structural Diversity in a tRNA-Dependent Pathway for Highly Modified Bioactive Cyclic Dipeptides. <i>Chemistry and Biology</i> , 2013, 20, 828-838.	6.0	62
35	A tRNA-Dependent Two-Enzyme Pathway for the Generation of Singly and Doubly Methylated Dityryptophan 2,5-Diketopiperazines. <i>Biochemistry</i> , 2013, 52, 4274-4283.	2.5	67
36	Two [4Fe-4S] Clusters Containing Radical SAM Enzyme SkfB Catalyze Thioether Bond Formation during the Maturation of the Sporulation Killing Factor. <i>Journal of the American Chemical Society</i> , 2013, 135, 959-962.	13.7	89

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37	Nonribosomal Peptide Synthesis. , 2013, , 138-149.		7
38	Lasso peptides from proteobacteria: Genome mining employing heterologous expression and mass spectrometry. Biopolymers, 2013, 100, 527-542.	2.4	111
39	The radical SAM enzyme Alba catalyzes thioether bond formation in subtilisin A. Nature Chemical Biology, 2012, 8, 350-357.	8.0	166
40	An Enzymatic Pathway for the Biosynthesis of the Formylhydroxyornithine Required for Rhodochelin Iron Coordination. Biochemistry, 2012, 51, 3059-3066.	2.5	31
41	Determination of Peptide Topology through Time-Resolved Double-Resonance under Electron Capture Dissociation Conditions. Analytical Chemistry, 2012, 84, 4957-4964.	6.5	20
42	Isolation, Structure Elucidation, and Biosynthesis of an Unusual Hydroxamic Acid Ester-Containing Siderophore from <i>Actinosynnema mirum</i> . Journal of Natural Products, 2012, 75, 905-914.	3.0	52
43	NMR as an Effective Tool for the Structure Determination of Lasso Peptides. ChemBioChem, 2012, 13, 621-625.	2.6	37
44	Dissecting the Maturation Steps of the Lasso Peptide Microcin J25 in vitro. ChemBioChem, 2012, 13, 1046-1052.	2.6	106
45	Exploring the mechanism of lipid transfer during biosynthesis of the acidic lipopeptide antibiotic CDA. FEBS Letters, 2012, 586, 283-288.	2.8	26
46	Ribosome-independent biosynthesis of biologically active peptides: Application of synthetic biology to generate structural diversity. FEBS Letters, 2012, 586, 2065-2075.	2.8	50
47	Consecutive Enzymatic Modification of Ornithine Generates the Hydroxamate Moieties of the Siderophore Erythrochelin. Biochemistry, 2011, 50, 6073-6080.	2.5	20
48	Identification and Characterization of a Novel-type Ferric Siderophore Reductase from a Gram-positive Extremophile. Journal of Biological Chemistry, 2011, 286, 2245-2260.	3.4	26
49	The Siderophore-Interacting Protein YqjH Acts as a Ferric Reductase in Different Iron Assimilation Pathways of <i>Escherichia coli</i> . Biochemistry, 2011, 50, 10951-10964.	2.5	70
50	Biosynthesis of the Siderophore Rhodochelin Requires the Coordinated Expression of Three Independent Gene Clusters in <i>Rhodococcus jostii</i> RHA1. Journal of the American Chemical Society, 2011, 133, 4587-4595.	13.7	55
51	A Four-Enzyme Pathway for 3,5-Dihydroxy-4-methylanthranilic Acid Formation and Incorporation into the Antitumor Antibiotic Sibiromycin. Biochemistry, 2011, 50, 5680-5692.	2.5	29
52	The Antibacterial Threaded-lasso Peptide Capistruin Inhibits Bacterial RNA Polymerase. Journal of Molecular Biology, 2011, 412, 842-848.	4.2	82
53	Environmental Salinity Determines the Specificity and Need for Tat-Dependent Secretion of the YwbN Protein in <i>Bacillus subtilis</i> . PLoS ONE, 2011, 6, e18140.	2.5	36
54	Mechanistic characterization of sulfur transfer from cysteine desulfurase SufS to the iron-sulfur scaffold SufU in <i>Bacillus subtilis</i> . FEBS Letters, 2011, 585, 465-470.	2.8	28

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55	Topoisomer Differentiation of Molecular Knots by FTICR MS: Lessons from Class II Lasso Peptides. <i>Journal of the American Society for Mass Spectrometry</i> , 2011, 22, 467-479.	2.8	38
56	Introducing Lasso Peptides as Molecular Scaffolds for Drug Design: Engineering of an Integrin Antagonist. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 8714-8717.	13.8	108
57	The Frataxin Homologue Fra Plays a Key Role in Intracellular Iron Channeling in <i>Bacillus subtilis</i> . <i>ChemBioChem</i> , 2011, 12, 2052-2061.	2.6	17
58	Identification and Characterization of the Lysobactin Biosynthetic Gene Cluster Reveals Mechanistic Insights into an Unusual Termination Module Architecture. <i>Chemistry and Biology</i> , 2011, 18, 655-664.	6.0	68
59	The Siderophore Binding Protein FeuA Shows Limited Promiscuity toward Exogenous Triscatecholates. <i>Chemistry and Biology</i> , 2011, 18, 907-919.	6.0	57
60	Nonribosomal peptide synthetases: structures and dynamics. <i>Current Opinion in Structural Biology</i> , 2010, 20, 234-240.	5.7	366
61	The glucagon receptor antagonist B169 constitutes a new class of lasso peptides. <i>FEBS Letters</i> , 2010, 584, 785-789.	2.8	70
62	Direct Identification of a Siderophore Import Protein Using Synthetic Petrobactin Ligands. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 10210-10213.	13.8	20
63	Functional Dissection of Surfactin Synthetase Initiation Module Reveals Insights into the Mechanism of Lipoinitiation. <i>Chemistry and Biology</i> , 2010, 17, 872-880.	6.0	113
64	Erythrochelin "a" a hydroxamate-type siderophore predicted from the genome of <i>Saccharopolyspora erythraea</i> . <i>FEBS Journal</i> , 2010, 277, 663-676.	4.7	50
65	Elucidation of the complete ferrichrome A biosynthetic pathway in <i>Ustilago maydis</i> . <i>Molecular Microbiology</i> , 2010, 75, 1260-1271.	2.5	68
66	Copper Stress Affects Iron Homeostasis by Destabilizing Iron-Sulfur Cluster Formation in <i>Bacillus subtilis</i> . <i>Journal of Bacteriology</i> , 2010, 192, 2512-2524.	2.2	200
67	SufU Is an Essential Iron-Sulfur Cluster Scaffold Protein in <i>Bacillus subtilis</i> . <i>Journal of Bacteriology</i> , 2010, 192, 1643-1651.	2.2	83
68	Daptomycin, a Bacterial Lipopeptide Synthesized by a Nonribosomal Machinery. <i>Journal of Biological Chemistry</i> , 2010, 285, 27501-27508.	3.4	176
69	The reversible macrocyclization of Tyrocidine A aldehyde: a hemiaminal reminiscent of the tetrahedral intermediate of macrolactamization. <i>Organic and Biomolecular Chemistry</i> , 2010, 8, 559-563.	2.8	18
70	Copper Acquisition Is Mediated by YcnJ and Regulated by YcnK and CsoR in <i>Bacillus subtilis</i> . <i>Journal of Bacteriology</i> , 2009, 191, 2362-2370.	2.2	88
71	The Structural Diversity of Acidic Lipopeptide Antibiotics. <i>ChemBioChem</i> , 2009, 10, 607-616.	2.6	113
72	The <i>Synechocystis</i> sp. PCC6803 Sfp-type Phosphopantetheinyl Transferase Does Not Possess Characteristic Broad-Range Activity. <i>ChemBioChem</i> , 2009, 10, 1869-1877.	2.6	18

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73	Structural Basis and Stereochemistry of Triscatecholate Siderophore Binding by FeuA. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 7924-7927.	13.8	51
74	Working outside the proteinâ€synthesis rules: insights into nonâ€ribosomal peptide synthesis. <i>Journal of Peptide Science</i> , 2009, 15, 799-807.	1.4	119
75	TioSâ€Tâ€TEâ€fâ€a prototypical thioesterase responsible for cyclodimerization of the quinolineâ€and quinoxalineâ€type class of chromodepsipeptides. <i>FEBS Journal</i> , 2009, 276, 1641-1653.	4.7	21
76	Structural basis for the <i>erythro</i>â€stereospecificity of the <sc>l</sc>â€arginine oxygenase VioC in viomycin biosynthesis. <i>FEBS Journal</i> , 2009, 276, 3669-3682.	4.7	64
77	Crosslinking Studies of Protein-Protein Interactions in Nonribosomal Peptide Biosynthesis. <i>Chemistry and Biology</i> , 2009, 16, 372-381.	6.0	42
78	Insights into the Biosynthesis and Stability of the Lasso Peptide Capistruin. <i>Chemistry and Biology</i> , 2009, 16, 1290-1298.	6.0	118
79	Stereospecific Synthesis of threo- and erythro-Î²-Hydroxyglutamic Acid During Kutzneride Biosynthesis. <i>Journal of the American Chemical Society</i> , 2009, 131, 13523-13530.	13.7	68
80	Post-Translational Modification and folding of A Lasso-Type Gene-Encoded Antimicrobial Peptide Require Two Enzymes only in Escherichia coli. <i>Advances in Experimental Medicine and Biology</i> , 2009, 611, 35-36.	1.6	7
81	Nonâ€Heme Hydroxylase Engineering For Simple Enzymatic Synthesis of <sc>L</sc>â€threo</i>â€Hydroxyaspartic Acid. <i>ChemBioChem</i> , 2008, 9, 374-376.	2.6	24
82	The Entropy Balance of Nostocyclopeptide Macrocyclization Analysed by NMR Spectroscopy. <i>ChemBioChem</i> , 2008, 9, 2597-2601.	2.6	16
83	Role of DptE and DptF in the lipidation reaction of daptomycin. <i>FEBS Journal</i> , 2008, 275, 5343-5354.	4.7	66
84	Structural basis for the selectivity of the external thioesterase of the surfactin synthetase. <i>Nature</i> , 2008, 454, 907-911.	27.8	112
85	Î±-Amino group hydroxylation of l-ornithine during coelichelin biosynthesis. <i>Organic and Biomolecular Chemistry</i> , 2008, 6, 1843.	2.8	31
86	How to tailor non-ribosomal peptide productsâ€new clues about the structures and mechanisms of modifying enzymes. <i>Molecular BioSystems</i> , 2008, 4, 387.	2.9	36
87	Harnessing the Chemical Activation Inherent to Carrier Protein-Bound Thioesters for the Characterization of Lipopeptide Fatty Acid Tailoring Enzymes. <i>Journal of the American Chemical Society</i> , 2008, 130, 2656-2666.	13.7	32
88	Isolation and Structural Characterization of Capistruin, a Lasso Peptide Predicted from the Genome Sequence of Burkholderia thailandensis E264. <i>Journal of the American Chemical Society</i> , 2008, 130, 11446-11454.	13.7	220
89	Crystal Structure of the Termination Module of a Nonribosomal Peptide Synthetase. <i>Science</i> , 2008, 321, 659-663.	12.6	311
90	Crystal Structure of DltA. <i>Journal of Biological Chemistry</i> , 2008, 283, 32484-32491.	3.4	117

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91	The Major Facilitator Superfamily-Type Transporter YmfE and the Multidrug-Efflux Activator Mta Mediate Bacillibactin Secretion in <i>Bacillus subtilis</i> . <i>Journal of Bacteriology</i> , 2008, 190, 5143-5152.	2.2	51
92	Cloning and characterization of the biosynthetic gene cluster for kutznerides. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 16498-16503.	7.1	144
93	Aminoacyl-coenzyme A synthesis catalyzed by adenylation domains. <i>FEBS Letters</i> , 2007, 581, 905-910.	2.8	31
94	Macrocyclization strategies in polyketide and nonribosomal peptide biosynthesis. <i>Natural Product Reports</i> , 2007, 24, 735.	10.3	197
95	Stereospecific Enzymatic Transformation of $\alpha$ -Ketoglutarate to (2S,3R)-3-Methyl Glutamate during Acidic Lipopeptide Biosynthesis. <i>Journal of the American Chemical Society</i> , 2007, 129, 12011-12018.	13.7	75
96	Mechanistic and Structural Basis of Stereospecific C $\alpha$ -Hydroxylation in Calcium-Dependent Antibiotic, a Daptomycin-Type Lipopeptide. <i>ACS Chemical Biology</i> , 2007, 2, 187-196.	3.4	107
97	Siderophore-Based Iron Acquisition and Pathogen Control. <i>Microbiology and Molecular Biology Reviews</i> , 2007, 71, 413-451.	6.6	1,342
98	Synthesis of a 2-indolylphosphonamide derivative with inhibitory activity against yersiniabactin biosynthesis. <i>Tetrahedron Letters</i> , 2007, 48, 6080-6083.	1.4	26
99	Where chemistry meets biology: the chemoenzymatic synthesis of nonribosomal peptides and polyketides. <i>Current Opinion in Biotechnology</i> , 2007, 18, 513-520.	6.6	55
100	The Iterative Gramicidin S Thioesterase Catalyzes Peptide Ligation and Cyclization. <i>Chemistry and Biology</i> , 2007, 14, 13-22.	6.0	81
101	Characterization of a mutation in the acetolactate synthase of <i>Bacillus subtilis</i> that causes a cold-sensitive phenotype. <i>FEMS Microbiology Letters</i> , 2007, 272, 30-34.	1.8	9
102	Detection of nonribosomal peptide synthetase genes in <i>Xylaria</i> sp. BCC1067 and cloning of <i>XyNRPSA</i> . <i>FEMS Microbiology Letters</i> , 2007, 274, 260-268.	1.8	5
103	Structural and Functional Insights into a Peptide Bond-Forming Bidomain from a Nonribosomal Peptide Synthetase. <i>Structure</i> , 2007, 15, 781-792.	3.3	152
104	A biosynthetic gene cluster for a secreted cellobiose lipid with antifungal activity from <i>Ustilago maydis</i> . <i>Molecular Microbiology</i> , 2007, 66, 525-533.	2.5	148
105	Conformational Switches Modulate Protein Interactions in Peptide Antibiotic Synthetases. <i>Science</i> , 2006, 312, 273-276.	12.6	149
106	Peptide Macrocyclization: The Reductase of the Nostocyclopeptide Synthetase Triggers the Self-Assembly of a Macrocyclic Imine. <i>Journal of the American Chemical Society</i> , 2006, 128, 16478-16479.	13.7	70
107	Nonribosomally Synthesized Microbial Macrocyclic Peptides. , 2006, , 89-96.		2
108	Cold-Induced Putative DEAD Box RNA Helicases CshA and CshB Are Essential for Cold Adaptation and Interact with Cold Shock Protein B in <i>Bacillus subtilis</i> . <i>Journal of Bacteriology</i> , 2006, 188, 240-248.	2.2	114

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109	Rational Design of Bacitracin A Derivatives by Incorporating Natural Product Derived Heterocycles. <i>Journal of the American Chemical Society</i> , 2006, 128, 10513-10520.	13.7	39
110	Chemoenzymatic Design of Acidic Lipopeptide Hybrids: New Insights into the Structure-Activity Relationship of Daptomycin and A54145. <i>Biochemistry</i> , 2006, 45, 10474-10481.	2.5	52
111	Formylation Domain: An Essential Modifying Enzyme for the Nonribosomal Biosynthesis of Linear Gramicidin. <i>Journal of the American Chemical Society</i> , 2006, 128, 7406-7407.	13.7	46
112	The Thioesterase Domain of the Fengycin Biosynthesis Cluster: A Structural Base for the Macrocyclization of a Non-ribosomal Lipopeptide. <i>Journal of Molecular Biology</i> , 2006, 359, 876-889.	4.2	110
113	Histidine 109 in peptidyl-prolyl cis-trans isomerase of <i>Bacillus subtilis</i> plays an important role in catalysis and in cyclosporin A binding. <i>FEMS Microbiology Letters</i> , 2006, 154, 139-144.	1.8	4
114	Inhibition of aryl acid adenylation domains involved in bacterial siderophore synthesis. <i>FEBS Journal</i> , 2006, 273, 409-419.	4.7	84
115	Ferri- <i>Bacillibactin</i> uptake and hydrolysis in <i>Bacillus subtilis</i> . <i>Molecular Microbiology</i> , 2006, 61, 1413-1427.	2.5	160
116	Solvent Engineering Substantially Enhances the Chemoenzymatic Production of Surfactin. <i>ChemBioChem</i> , 2006, 7, 595-597.	2.6	10
117	Impact of Epimerization Domains on the Intermodular Transfer of Enzyme-Bound Intermediates in Nonribosomal Peptide Synthesis. <i>ChemBioChem</i> , 2006, 7, 1807-1814.	2.6	28
118	Iron Starvation Triggers the Stringent Response and Induces Amino Acid Biosynthesis for <i>Bacillibactin</i> Production in <i>Bacillus subtilis</i> . <i>Journal of Bacteriology</i> , 2006, 188, 8655-8657.	2.2	39
119	Sigma L Is Important for Cold Shock Adaptation of <i>Bacillus subtilis</i> . <i>Journal of Bacteriology</i> , 2006, 188, 3130-3133.	2.2	30
120	Identification of a Gene Cluster for Biosynthesis of Mannosylerythritol Lipids in the Basidiomycetous Fungus <i>Ustilago maydis</i> . <i>Applied and Environmental Microbiology</i> , 2006, 72, 5469-5477.	3.1	145
121	Chemoenzymatic and Template-Directed Synthesis of Bioactive Macrocyclic Peptides. <i>Microbiology and Molecular Biology Reviews</i> , 2006, 70, 121-146.	6.6	199
122	Peptidantibiotika vom molekularen Fließband. <i>Nachrichten Aus Der Chemie</i> , 2005, 53, 507-513.	0.0	4
123	Fluorescence Resonance Energy Transfer as a Probe of Peptide Cyclization Catalyzed by Nonribosomal Thioesterase Domains. <i>Chemistry and Biology</i> , 2005, 12, 873-881.	6.0	17
124	Inhibition of the D-alanine:D-alanyl carrier protein ligase from <i>Bacillus subtilis</i> increases the bacterium's susceptibility to antibiotics that target the cell wall. <i>FEBS Journal</i> , 2005, 272, 2993-3003.	4.7	93
125	Utility of epimerization domains for the redesign of nonribosomal peptide synthetases. <i>FEBS Journal</i> , 2005, 272, 4506-4520.	4.7	37
126	Molecular Mechanisms Underlying Nonribosomal Peptide Synthesis: Approaches to New Antibiotics. <i>ChemInform</i> , 2005, 36, no.	0.0	3



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127	Chemoenzymatic Approach to Enantiopure Streptogramin B Variants: Characterization of Stereoselective Pristinamycin I Cyclase from <i>Streptomyces pristinaespiralis</i> . <i>Journal of the American Chemical Society</i> , 2005, 127, 9571-9580.	13.7	32
128	Synthesis of Linear Gramicidin Requires the Cooperation of Two Independent Reductases. <i>Biochemistry</i> , 2005, 44, 8507-8513.	2.5	29
129	Molecular Mechanisms Underlying Nonribosomal Peptide Synthesis: Approaches to New Antibiotics. <i>Chemical Reviews</i> , 2005, 105, 715-738.	47.7	523
130	Reactions Catalyzed by Mature and Recombinant Nonribosomal Peptide Synthetases. <i>Methods in Enzymology</i> , 2004, 388, 293-315.	1.0	44
131	The Linear Pentadecapeptide Gramicidin Is Assembled by Four Multimodular Nonribosomal Peptide Synthetases That Comprise 16 Modules with 56 Catalytic Domains. <i>Journal of Biological Chemistry</i> , 2004, 279, 7413-7419.	3.4	92
132	Mutational analysis of a type II thioesterase associated with nonribosomal peptide synthesis. <i>FEBS Journal</i> , 2004, 271, 1536-1545.	0.2	32
133	Role of the <i>Bacillus subtilis</i> fatty acid desaturase in membrane adaptation during cold shock. <i>Molecular Microbiology</i> , 2004, 39, 1321-1329.	2.5	100
134	Genetic evidence for the temperature-sensing ability of the membrane domain of the <i>Bacillus subtilis</i> histidine kinase DesK. <i>FEMS Microbiology Letters</i> , 2004, 230, 41-46.	1.8	16
135	Peptidyl Thiophenols as Substrates for Nonribosomal Peptide Cyclases. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 493-498.	13.8	57
136	Enzymatic Cyclisation of Peptidomimetics with Incorporated (E)-Alkene Dipeptide Isosteres. <i>ChemBioChem</i> , 2004, 5, 1000-1003.	2.6	18
137	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
138	Mutational Analysis of Peptidyl Carrier Protein and Acyl Carrier Protein Synthase Unveils Residues Involved in Protein-Protein Recognition. <i>Biochemistry</i> , 2004, 43, 8946-8956.	2.5	32
139	Chemo- and Regioselective Peptide Cyclization Triggered by the N-Terminal Fatty Acid Chain Length: The Recombinant Cyclase of the Calcium-Dependent Antibiotic from <i>Streptomyces coelicolor</i> . <i>Biochemistry</i> , 2004, 43, 2915-2925.	2.5	53
140	Structure-Based Mutational Analysis of the 4-Phosphopantetheinyl Transferases Sfp from <i>Bacillus subtilis</i> : Carrier Protein Recognition and Reaction Mechanism. <i>Biochemistry</i> , 2004, 43, 4128-4136.	2.5	62
141	Biosynthesis of Nonribosomal Peptides. <i>Annual Review of Microbiology</i> , 2004, 58, 453-488.	7.3	775
142	Synthesis and Derivatization of Daptomycin: Chemoenzymatic Route to Acidic Lipopeptide Antibiotics. <i>Journal of the American Chemical Society</i> , 2004, 126, 17025-17031.	13.7	118
143	Nonribosomal Peptides: From Genes to Products. <i>ChemInform</i> , 2003, 34, no.	0.0	0
144	Aminoacyl Adenylate Substrate Analogues for the Inhibition of Adenylation Domains of Nonribosomal Peptide Synthetases. <i>ChemBioChem</i> , 2003, 4, 903-906.	2.6	66

#	ARTICLE	IF	CITATIONS
145	Fourier-transform mass spectrometry for detection of thioester-bound intermediates in unfractionated proteolytic mixtures of 80 and 191 kDa portions of Bacitracin A synthetase. <i>Analytica Chimica Acta</i> , 2003, 496, 217-224.	5.4	10
146	Construction of hybrid peptide synthetases for the production of alpha-l-aspartyl-l-phenylalanine, a precursor for the high-intensity sweetener aspartame. <i>FEBS Journal</i> , 2003, 270, 4555-4563.	0.2	45
147	Chirality of Peptide Bond-Forming Condensation Domains in Nonribosomal Peptide Synthetases: The C5 Domain of Tyrocidine Synthetase Is a DCLCatalyst. <i>Biochemistry</i> , 2003, 42, 12095-12104.	2.5	83
148	Systematic and Quantitative Analysis of Protein-Protein Recognition between Nonribosomal Peptide Synthetases Investigated in the Tyrocidine Biosynthetic Template. <i>Biochemistry</i> , 2003, 42, 5114-5124.	2.5	26
149	Nonribosomal peptides: from genes to products. <i>Natural Product Reports</i> , 2003, 20, 275.	10.3	503
150	Loading Peptidyl-Coenzyme A onto Peptidyl Carrier Proteins: A Novel Approach in Characterizing Macrocyclization by Thioesterase Domains. <i>Journal of the American Chemical Society</i> , 2003, 125, 10862-10866.	13.7	66
151	Learning from Nature's Drug Factories: Nonribosomal Synthesis of Macrocyclic Peptides. <i>Journal of Bacteriology</i> , 2003, 185, 7036-7043.	2.2	103
152	Bacterial Cold Shock Responses. <i>Science Progress</i> , 2003, 86, 9-75.	1.9	171
153	Ebony, a Novel Nonribosomal Peptide Synthetase for $\beta^2$ -Alanine Conjugation with Biogenic Amines in <i>Drosophila</i> . <i>Journal of Biological Chemistry</i> , 2003, 278, 41160-41166.	3.4	123
154	Coping with the cold: the cold shock response in the Gram-positive soil bacterium <i>Bacillus subtilis</i> . <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2002, 357, 895-907.	4.0	55
155	Characterization of a New Type of Phosphopantetheinyl Transferase for Fatty Acid and Siderophore Synthesis in <i>Pseudomonas aeruginosa</i> . <i>Journal of Biological Chemistry</i> , 2002, 277, 50293-50302.	3.4	88
156	Genomewide Transcriptional Analysis of the Cold Shock Response in <i>Bacillus subtilis</i> . <i>Journal of Bacteriology</i> , 2002, 184, 6395-6402.	2.2	113
157	Crystal structure of DhbE, an archetype for aryl acid activating domains of modular nonribosomal peptide synthetases. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 12120-12125.	7.1	254
158	Regeneration of misprimed nonribosomal peptide synthetases by type II thioesterases. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 14083-14088.	7.1	187
159	Recognition of Hybrid Peptidyl Carrier Proteins/Acyl Carrier Proteins in Nonribosomal Peptide Synthetase Modules by the $\beta^2$ -Phosphopantetheinyl Transferases AcpS and Sfp. <i>Journal of Biological Chemistry</i> , 2002, 277, 17023-17031.	3.4	76
160	CSDBase: an interactive database for cold shock domain-containing proteins and the bacterial cold shock response. <i>Nucleic Acids Research</i> , 2002, 30, 375-378.	14.5	18
161	Timing of Epimerization and Condensation Reactions in Nonribosomal Peptide Assembly Lines: Kinetic Analysis of Phenylalanine Activating Elongation Modules of Tyrocidine Synthetase. <i>Biochemistry</i> , 2002, 41, 9184-9196.	2.5	74
162	Characterization of the Surfactin Synthetase C-Terminal Thioesterase Domain as a Cyclic Depsipeptide Synthetase. <i>Biochemistry</i> , 2002, 41, 13350-13359.	2.5	102

#	ARTICLE	IF	CITATIONS
163	Decreasing the Ring Size of a Cyclic Nonribosomal Peptide Antibiotic by In-Frame Module Deletion in the Biosynthetic Genes. <i>Journal of the American Chemical Society</i> , 2002, 124, 10980-10981.	13.7	76
164	Exploitation of the Selectivity-Confering Code of Nonribosomal Peptide Synthetases for the Rational Design of Novel Peptide Antibiotics. <i>Biochemistry</i> , 2002, 41, 9718-9726.	2.5	150
165	Dissection of the Mechanism for the Stringent Factor RelA. <i>Molecular Cell</i> , 2002, 10, 779-788.	9.7	275
166	Structural Basis for the Cyclization of the Lipopeptide Antibiotic Surfactin by the Thioesterase Domain SrfTE. <i>Structure</i> , 2002, 10, 301-310.	3.3	200
167	Ways of Assembling Complex Natural Products on Modular Nonribosomal Peptide Synthetases A list of abbreviations can be found at the end of the text.. <i>ChemBioChem</i> , 2002, 3, 490.	2.6	311
168	Mutational analysis of the C-domain in nonribosomal peptide synthesis. <i>FEBS Journal</i> , 2002, 269, 620-629.	0.2	105
169	Functional characterization of 4-phosphopantetheinyl transferase genes of bacterial and fungal origin by complementation of <i>Saccharomyces cerevisiae</i> lys5. <i>FEMS Microbiology Letters</i> , 2002, 213, 51-57.	1.8	60
170	Heterologous expression of nonribosomal peptide synthetases in <i>B. subtilis</i> : construction of a bi-functional <i>B. subtilis</i> / <i>E. coli</i> shuttle vector system. <i>FEMS Microbiology Letters</i> , 2002, 216, 185-191.	1.8	19
171	Evidence for a Monomeric Structure of Nonribosomal Peptide Synthetases. <i>Chemistry and Biology</i> , 2002, 9, 997-1008.	6.0	41
172	The <i>dhb</i> Operon of <i>Bacillus subtilis</i> Encodes the Biosynthetic Template for the Catecholic Siderophore 2,3-Dihydroxybenzoate-Glycine-Threonine Trimeric Ester Bacillibactin. <i>Journal of Biological Chemistry</i> , 2001, 276, 7209-7217.	3.4	318
173	Portability of Epimerization Domain and Role of Peptidyl Carrier Protein on Epimerization Activity in Nonribosomal Peptide Synthetases. <i>Biochemistry</i> , 2001, 40, 15824-15834.	2.5	91
174	Generality of Peptide Cyclization Catalyzed by Isolated Thioesterase Domains of Nonribosomal Peptide Synthetases. <i>Biochemistry</i> , 2001, 40, 7099-7108.	2.5	151
175	Multimodular biocatalysts for natural product assembly. <i>Die Naturwissenschaften</i> , 2001, 88, 93-101.	1.6	108
176	The two-component regulatory system BacRS is associated with bacitracin self-resistance of <i>Bacillus licheniformis</i> ATCC 10716. <i>FEBS Journal</i> , 2001, 268, 3180-3189.	0.2	48
177	Exploring the impact of different thioesterase domains for the design of hybrid peptide synthetases. <i>Chemistry and Biology</i> , 2001, 8, 997-1010.	6.0	47
178	Biosynthesis of Natural Products on Modular Peptide Synthetases. <i>Metabolic Engineering</i> , 2001, 3, 64-77.	7.0	66
179	Tn10 insertional mutations of <i>Bacillus subtilis</i> that block the biosynthesis of bacilysin. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 2001, 1518, 87-94.	2.4	51
180	Exploring the Domain Structure of Modular Nonribosomal Peptide Synthetases. <i>Structure</i> , 2001, 9, R3-R9.	3.3	98

#	ARTICLE	IF	CITATIONS
181	4â€²-Phosphopantetheine Transfer in Primary and Secondary Metabolism of <i>Bacillus subtilis</i> . <i>Journal of Biological Chemistry</i> , 2001, 276, 37289-37298.	3.4	161
182	Complementation of Cold Shock Proteins by Translation Initiation Factor IF1 In Vivo. <i>Journal of Bacteriology</i> , 2001, 183, 7381-7386.	2.2	46
183	Localization of Cold Shock Proteins to Cytosolic Spaces Surrounding Nucleoids in <i>Bacillus subtilis</i> Depends on Active Transcription. <i>Journal of Bacteriology</i> , 2001, 183, 6435-6443.	2.2	39
184	Engineered Biosynthesis of the Peptide Antibiotic Bacitracin in the Surrogate Host <i>Bacillus subtilis</i> . <i>Journal of Biological Chemistry</i> , 2001, 276, 34824-34831.	3.4	86
185	Dipeptide formation on engineered hybrid peptide synthetases. <i>Chemistry and Biology</i> , 2000, 7, 373-384.	6.0	90
186	Peptide cyclization catalysed by the thioesterase domain of tyrocidine synthetase. <i>Nature</i> , 2000, 407, 215-218.	27.8	311
187	Characterization of the <i>relA/spoT</i> gene from <i>Bacillus stearothermophilus</i> . <i>FEMS Microbiology Letters</i> , 2000, 190, 195-201.	1.8	16
188	Solution structure of PCP, a prototype for the peptidyl carrier domains of modular peptide synthetases. <i>Structure</i> , 2000, 8, 407-418.	3.3	176
189	Molecular characterization of the transition state regulator AbrB from <i>Bacillus stearothermophilus</i> . <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 2000, 1493, 82-90.	2.4	6
190	Control of Directionality in Nonribosomal Peptide Synthesis: A Role of the Condensation Domain in Preventing Misinitiation and Timing of Epimerization. <i>Biochemistry</i> , 2000, 39, 10439-10447.	2.5	119
191	Molecular and Biochemical Characterization of the Protein Template Controlling Biosynthesis of the Lipopeptide Lichenysin. <i>Journal of Bacteriology</i> , 1999, 181, 133-140.	2.2	131
192	The Family of Cold Shock Proteins of <i>Bacillus subtilis</i> . <i>Journal of Biological Chemistry</i> , 1999, 274, 3407-3413.	3.4	65
193	Multifunctional Peptide Synthetases Required for Nonribosomal Biosynthesis of Peptide Antibiotics. , 1999, , 195-220.		8
194	How do peptide synthetases generate structural diversity?. <i>Chemistry and Biology</i> , 1999, 6, R39-R48.	6.0	201
195	The specificity-conferring code of adenylation domains in nonribosomal peptide synthetases. <i>Chemistry and Biology</i> , 1999, 6, 493-505.	6.0	1,096
196	Design and application of multimodular peptide synthetases. <i>Current Opinion in Biotechnology</i> , 1999, 10, 341-348.	6.6	63
197	Crystallization and preliminary crystallographic studies of Sfp: a phosphopantetheinyl transferase of modular peptide synthetases. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 1999, 55, 1098-1100.	2.5	22
198	Cold shock proteins CspB and CspC are major stationary-phase-induced proteins in <i>Bacillus subtilis</i> . <i>Archives of Microbiology</i> , 1999, 171, 135-138.	2.2	55

#	ARTICLE	IF	CITATIONS
199	Cold Shock Response of <i>Bacillus subtilis</i> : Isoleucine-Dependent Switch in the Fatty Acid Branching Pattern for Membrane Adaptation to Low Temperatures. <i>Journal of Bacteriology</i> , 1999, 181, 5341-5349.	2.2	170
200	Conservation of rapid two-state folding in mesophilic, thermophilic and hyperthermophilic cold shock proteins. <i>Nature Structural Biology</i> , 1998, 5, 229-235.	9.7	263
201	A superfamily of proteins that contain the cold-shock domain. <i>Trends in Biochemical Sciences</i> , 1998, 23, 286-290.	7.5	402
202	Surface-exposed phenylalanines in the RNP1/RNP2 motif stabilize the cold-shock protein CspB from <i>Bacillus subtilis</i> . , 1998, 30, 401-406.		52
203	Cyclophilin and Trigger Factor from <i>Bacillus subtilis</i> Catalyze in Vitro Protein Folding and Are Necessary for Viability under Starvation Conditions. <i>Biochemistry</i> , 1998, 37, 13392-13399.	2.5	64
204	Peptide Bond Formation in Nonribosomal Peptide Biosynthesis. <i>Journal of Biological Chemistry</i> , 1998, 273, 22773-22781.	3.4	293
205	Modular Peptide Synthetases Involved in Nonribosomal Peptide Synthesis. <i>Chemical Reviews</i> , 1997, 97, 2651-2674.	47.7	1,035
206	An Internal FK506-Binding Domain is the Catalytic Core of the Prolyl Isomerase Activity Associated with the <i>Bacillus Subtilis</i> Trigger Factor. <i>FEBS Journal</i> , 1997, 244, 59-65.	0.2	20
207	Protein templates for the biosynthesis of peptide antibiotics. <i>Chemistry and Biology</i> , 1997, 4, 561-567.	6.0	116
208	The bacitracin biosynthesis operon of <i>Bacillus licheniformis</i> ATCC 10716: molecular characterization of three multi-modular peptide synthetases. <i>Chemistry and Biology</i> , 1997, 4, 927-937.	6.0	215
209	Biosynthetic systems for nonribosomal peptide antibiotic assembly. <i>Current Opinion in Chemical Biology</i> , 1997, 1, 543-551.	6.1	69
210	A family of cold shock proteins in <i>Bacillus subtilis</i> is essential for cellular growth and for efficient protein synthesis at optimal and low temperatures. <i>Molecular Microbiology</i> , 1997, 25, 741-756.	2.5	228
211	Cloning and characterization of a <i>relA</i> / <i>spoT</i> homologue from <i>Bacillus subtilis</i> . <i>Molecular Microbiology</i> , 1997, 26, 65-79.	2.5	152
212	Engineered biosynthesis of peptide antibiotics. <i>Biochemical Pharmacology</i> , 1996, 52, 177-186.	4.4	61
213	Peptidyl-Prolyl-Cis-Trans Isomerase of <i>Bacillus subtilis</i> : Identification of Residues Involved in Cyclosporin A Affinity and Catalytic Efficiency. <i>Biochemistry</i> , 1996, 35, 3636-3640.	2.5	18
214	Biochemical characterization of peptidyl carrier protein (PCP), the thiolation domain of multifunctional peptide synthetases. <i>Chemistry and Biology</i> , 1996, 3, 913-921.	6.0	122
215	A new enzyme superfamily – the phosphopantetheinyl transferases. <i>Chemistry and Biology</i> , 1996, 3, 923-936.	6.0	746
216	Mutational analysis of the putative nucleic acid-binding surface of the cold-shock domain, CspB, revealed an essential role of aromatic and basic residues in binding of single-stranded DNA containing the Y-box motif. <i>Molecular Microbiology</i> , 1995, 16, 699-708.	2.5	132

#	ARTICLE	IF	CITATIONS
217	Extremely rapid protein folding in the absence of intermediates. <i>Nature Structural Biology</i> , 1995, 2, 663-673.	9.7	264
218	Modular structure of genes encoding multifunctional peptide synthetases required for non-ribosomal peptide synthesis. <i>FEMS Microbiology Letters</i> , 1995, 125, 3-14.	1.8	211
219	Modular Structure of Peptide Synthetases Revealed by Dissection of the Multifunctional Enzyme GrsA. <i>Journal of Biological Chemistry</i> , 1995, 270, 6163-6169.	3.4	162
220	The <i>grs</i> operon coding for two-component system regulatory proteins is located adjacent to the <i>grs</i> operon of <i>Bacillus brevis</i> . <i>DNA Sequence</i> , 1995, 5, 283-290.	0.7	11
221	Modular structure of genes encoding multifunctional peptide synthetases required for non-ribosomal peptide synthesis. <i>FEMS Microbiology Letters</i> , 1995, 125, 3-14.	1.8	10
222	Effect of pH and phosphate ions on self-association properties of the major cold-shock protein from <i>Bacillus subtilis</i> . <i>Protein Science</i> , 1994, 3, 2144-2147.	7.6	39
223	Transposon Tn5 mutagenesis of <i>Pseudomonas fluorescens</i> isolate mutants deficient in antibacterial activity. <i>FEMS Microbiology Letters</i> , 1994, 115, 191-196.	1.8	6
224	Cloning and characterization of <i>ppiB</i> , a <i>Bacillus subtilis</i> gene which encodes a cyclosporine A-sensitive peptidyl-prolyl cis-trans isomerase. <i>Molecular Microbiology</i> , 1994, 11, 1073-1083.	2.5	28
225	The major cold shock protein of <i>Bacillus subtilis</i> CspB binds with high affinity to the ATTGG- and CCAAT sequences in single stranded oligonucleotides. <i>FEBS Letters</i> , 1994, 338, 157-160.	2.8	75
226	Universal nucleic acid-binding domain revealed by crystal structure of the <i>B. subtilis</i> major cold-shock protein. <i>Nature</i> , 1993, 364, 164-168.	27.8	357
227	Mapping of the <i>Bacillus subtilis</i> <i>cspB</i> gene and cloning of its homologs in thermophilic, mesophilic and psychrotrophic bacilli. <i>Gene</i> , 1993, 136, 277-280.	2.2	24
228	Peptidyl-prolyl-cis-trans isomerase from <i>Bacillus subtilis</i> A prokaryotic enzyme that is highly sensitive to cyclosporin A. <i>FEBS Letters</i> , 1992, 309, 231-234.	2.8	18
229	Multidomain enzymes involved in peptide synthesis. <i>FEBS Letters</i> , 1992, 307, 40-43.	2.8	100
230	Overproduction, crystallization, and preliminary X-ray diffraction studies of the major cold shock protein from <i>Bacillus subtilis</i> , CspB. <i>Proteins: Structure, Function and Bioinformatics</i> , 1992, 14, 120-124.	2.6	45
231	Identification of putative multifunctional peptide synthetase genes using highly conserved oligonucleotide sequences derived from known synthetases. <i>FEMS Microbiology Letters</i> , 1992, 92, 175-180.	1.8	37
232	Mutant analysis of interaction of the <i>Bacillus subtilis</i> transcription regulator <i>AbrB</i> with the antibiotic biosynthesis gene <i>tycA</i> . <i>FEBS Letters</i> , 1991, 287, 153-156.	2.8	18
233	Interaction of <i>AbrB</i> , a transcriptional regulator from <i>Bacillus subtilis</i> with the promoters of the transition state-activated genes <i>tycA</i> and <i>spoVG</i> . <i>Molecular Genetics and Genomics</i> , 1991, 225, 347-354.	2.4	64
234	Complete nucleotide sequence of the <i>tycA</i> gene coding the tyrocidine synthetase 1 from <i>Bacillus brevis</i> . <i>Nucleic Acids Research</i> , 1988, 16, 11841-11841.	14.5	102

#	ARTICLE	IF	CITATIONS
235	Cloning of the tyrocidine synthetase 1 gene from <i>Bacillus brevis</i> and its expression in <i>Escherichia coli</i> . <i>Molecular Genetics and Genomics</i> , 1985, 201, 231-236.	2.4	47
236	Control of RNA synthesis by gramicidin S during germination and outgrowth of <i>Bacillus brevis</i> spores. <i>FEMS Microbiology Letters</i> , 1981, 10, 277-283.	1.8	7
237	Biological Role of Gramicidin S in Spore Functions. Studies on Gramicidin-S-Negative Mutants of <i>Bacillus brevis</i> ATCC9999. <i>FEBS Journal</i> , 1979, 99, 49-55.	0.2	61
238	Nonribosomal Assembly of Peptide Antibiotics on Modular Protein Templates. , 0, , 415-435.		9