John Christopher Vederas

List of Publications by Year
in descending order

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232	14,779	28274	24258
papers	citations	55 h-index	110 g-index

241	241	241	13552
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Peptidomimetic Î±-Acyloxymethylketone Warheads with Six-Membered Lactam P1 Glutamine Mimic: SARS-CoV-2 3CL Protease Inhibition, Coronavirus Antiviral Activity, and in Vitro Biological Stability. Journal of Medicinal Chemistry, 2022, 65, 2905-2925.	6.4	71
2	Apelin pathway in cardiovascular, kidney, and metabolic diseases: Therapeutic role of apelin analogs and apelin receptor agonists. Peptides, 2022, 147, 170697.	2.4	18
3	Cytochrome P450-Catalyzed Biosynthesis of a Dihydrofuran Neoclerodane in Magic Mint (Salvia) Tj ETQq1 1 0.784314 rgBT /Overlock	11.2	6
4	Crystallization of Feline Coronavirus Mpro With GC376 Reveals Mechanism of Inhibition. Frontiers in Chemistry, 2022, 10, 852210.	3.6	17
5	SPI â€œsandwichâ€• Combined <scp>SUMOâ€Peptideâ€Intein</scp> expression system and isolation procedure for improved stability and yield of peptides. Protein Science, 2022, 31, e4316.	7.6	10
6	Peptidomimetic nitrile warheads as SARS-CoV-2 3CL protease inhibitors. RSC Medicinal Chemistry, 2021, 12, 1722-1730.	3.9	40
7	Metabolically stable apelin-analogues, incorporating cyclohexylalanine and homoarginine, as potent apelin receptor activators. RSC Medicinal Chemistry, 2021, 12, 1402-1413.	3.9	6
8	Selection of entomopathogenic fungus Beauveria bassiana (Deuteromycotina: Hyphomycetes) for the biocontrol of Dendroctonus ponderosae (Coleoptera: Curculionidae, Scolytinae) in Western Canada. Applied Microbiology and Biotechnology, 2021, 105, 2541-2557.	3.6	12
9	Tityus serrulatus scorpion venom as a potential drug source for Chagas' disease: Trypanocidal and immunomodulatory activity. Clinical Immunology, 2021, 226, 108713.	3.2	6
10	N-Terminal Finger Stabilizes the S1 Pocket for the Reversible Feline Drug GC376 in the SARS-CoV-2 Mpro Dimer. Journal of Molecular Biology, 2021, 433, 167003.	4.2	23
11	Improved Synthesis of a Cyclic Glutamine Analogue Used in Antiviral Agents Targeting 3C and 3CL Proteases Including SARS-CoV-2 Mpro. Journal of Organic Chemistry, 2021, 86, 13104-13110.	3.2	8
12	Decarboxylative Radical Addition to Methylideneoxazolidinones for Stereocontrolled Synthesis of Selectively Protected Diamino Diacids. Organic Letters, 2021, 23, 7270-7273.	4.6	6
13	Improved SARS-CoV-2 Mpro inhibitors based on feline antiviral drug GC376: Structural enhancements, increased solubility, and micellar studies. European Journal of Medicinal Chemistry, 2021, 222, 113584.	5.5	57
14	Draft genome sequence of Staphylococcus agnetis 4244, a strain with gene clusters encoding distinct post-translationally modified antimicrobial peptides. Journal of Global Antimicrobial Resistance, 2021, 27, 239-243.	2.2	1
15	Mechanistic insights into COVID-19 by global analysis of the SARS-CoV-2 3CLpro substrate degradome. Cell Reports, 2021, 37, 109892.	6.4	60
16	Methylene Analogues of Neopetrosiamide as Potential Antimetastatic Agents: Solid-Supported Syntheses Using Diamino Diacids for Pre-Stapling of Peptides with Multiple Disulfides. Organic Letters, 2021, 23, 9216-9220.	4.6	2
17	Dissecting the Binding Interactions of Teixobactin with the Bacterial Cellâ€Wall Precursor Lipidâ€...II. ChemBioChem, 2020, 21, 789-792.	2.6	20
18	Optimizing PEG-Extended Apelin Analogues as Cardioprotective Drug Leads: Importance of the KFRR Motif and Aromatic Head Group for Improved Physiological Activity. Journal of Medicinal Chemistry, 2020, 63, 12073-12082.	6.4	14

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19	Feline coronavirus drug inhibits the main protease of SARS-CoV-2 and blocks virus replication. Nature Communications, 2020, 11, 4282.	12.8	334
20	Draft Genome Sequence of the Thermophilic Bacterium Bacillus licheniformis SMIA-2, an Antimicrobial- and Thermostable Enzyme-Producing Isolate from Brazilian Soil. Microbiology Resource Announcements, 2020, 9, .	0.6	4
21	Unveiling the active isomer of cycloalanopine, a cyclic opine from Lactobacillus rhamnosus LS8, through synthesis and analog production. RSC Medicinal Chemistry, 2020, 11, 528-531.	3.9	0
22	Moving Pieces in a Cellular Puzzle: A Cryptic Peptide from the Scorpion Toxin Ts14 Activates AKT and ERK Signaling and Decreases Cardiac Myocyte Contractility via Dephosphorylation of Phospholamban. Journal of Proteome Research, 2020, 19, 3467-3477.	3.7	4
23	Plasma kallikrein cleaves and inactivates apelin-17: Palmitoyl- and PEG-extended apelin-17 analogs as metabolically stable blood pressure-lowering agents. European Journal of Medicinal Chemistry, 2019, 166, 119-124.	5.5	35
24	Apelin protects against abdominal aortic aneurysm and the therapeutic role of neutral endopeptidase resistant apelin analogs. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 13006-13015.	7.1	39
25	Catalytic mechanism and properties of pyridoxal 5â€²-phosphate independent racemases: how enzymes alter mismatched acidity and basicity. Natural Product Reports, 2019, 36, 1687-1705.	10.3	12
26	Synthesis of Chiral Spin-Labeled Amino Acids. Organic Letters, 2019, 21, 10149-10153.	4.6	7
27	Apelin directs endothelial cell differentiation and vascular repair following immune-mediated injury. Journal of Clinical Investigation, 2019, 130, 94-107.	8.2	43
28	Draft Genome Sequence of Bacillus paralicheniformis F47, Isolated from an Algerian Salty Lake. Genome Announcements, 2018, 6, .	0.8	5
29	PLP-independent racemization: mechanistic and mutational studies ofO-ureidoserine racemase (DcsC). Organic and Biomolecular Chemistry, 2018, 16, 1126-1133.	2.8	11
30	Identification and Heterologous Expression of the sec-Dependent Bacteriocin Faerocin MK from Enterococcus faecium M3K31. Probiotics and Antimicrobial Proteins, 2018, 10, 142-147.	3.9	8
31	Bacillus amyloliquefaciens ssp. plantarum F11 isolated from Algerian salty lake as a source of biosurfactants and bioactive lipopeptides. FEMS Microbiology Letters, 2018, 365, .	1.8	16
32	Dessâ€“Martin periodinane oxidative rearrangement for preparation of Î±-keto thioesters. Organic and Biomolecular Chemistry, 2018, 16, 593-597.	2.8	20
33	Isolation, expression and biochemical characterization of recombinant hyoscyamine-6Î²-hydroxylase from Brugmansia sanguinea â€“ tuning the scopolamine production. MedChemComm, 2018, 9, 888-892.	3.4	10
34	Soybean meal-induced enteritis in Atlantic salmon (Salmo salar) and Chinook salmon (Oncorhynchus) Tj ETQq0 0 0 rgBT /Overlock 10 T	3.5	86
35	Insights into the draft genome sequence of bioactives-producing Bacillus thuringiensis DNG9 isolated from Algerian soil-oil slough. Standards in Genomic Sciences, 2018, 13, 25.	1.5	12
36	The expanding structural variety among bacteriocins from Gram-positive bacteria. FEMS Microbiology Reviews, 2018, 42, 805-828.	8.6	104

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37	One-Step Transformation of Coenzyme A into Analogues by Transamidation. Organic Letters, 2017, 19, 1950-1953.	4.6	9
38	Identification and threeâ€dimensional structure of carnobacteriocin XY, a class IIb bacteriocin produced by Carnobacteria. FEBS Letters, 2017, 591, 1349-1359.	2.8	19
39	Diacylglycerol Acyltransferase 1 Is Regulated by Its N-Terminal Domain in Response to Allosteric Effectors. Plant Physiology, 2017, 175, 667-680.	4.8	43
40	Insights into the Mechanism of Action of the Two-Peptide Lantibiotic Lacticin 3147. Journal of the American Chemical Society, 2017, 139, 17803-17810.	13.7	38
41	Structural features of many circular and leaderless bacteriocins are similar to those in saposins and saposin-like peptides. MedChemComm, 2017, 8, 276-285.	3.4	27
42	Synthetic Modification within the â€œRPRLâ€•Region of Apelin Peptides: Impact on Cardiovascular Activity and Stability to Neprilysin and Plasma Degradation. Journal of Medicinal Chemistry, 2017, 60, 6408-6427.	6.4	35
43	Draft Genome Sequences of Bacillus cereus E41 and Bacillus anthracis F34 Isolated from Algerian Salt Lakes. Genome Announcements, 2017, 5, .	0.8	10
44	Targeting the apelin pathway as a novel therapeutic approach for cardiovascular diseases. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2017, 1863, 1942-1950.	3.8	81
45	Draft Genome Sequence of Enterococcus canintestini 49, a Potential Probiotic That Produces Multiple Bacteriocins. Genome Announcements, 2017, 5, .	0.8	2
46	Lipopeptides from Bacillus and Paenibacillus spp.: A Gold Mine of Antibiotic Candidates. Medicinal Research Reviews, 2016, 36, 4-31.	10.5	332
47	Antimicrobial lipopeptide tridecaptin A ₁ selectively binds to Gram-negative lipid II. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 11561-11566.	7.1	127
48	Solution Structures of Phenol-Soluble Modulins Î±1, Î±3, and Î²2, Virulence Factors from Staphylococcus aureus. Biochemistry, 2016, 55, 4798-4806.	2.5	44
49	The Metalloprotease Neprilysin Degrades and Inactivates Apelin Peptides. ChemBioChem, 2016, 17, 1495-1498.	2.6	57
50	Natural products and their derivatives as tRNA synthetase inhibitors and antimicrobial agents. MedChemComm, 2016, 7, 1535-1545.	3.4	20
51	Angiotensin-Converting Enzyme 2 Metabolizes and Partially Inactivates Pyr-Apelin-13 and Apelin-17. Hypertension, 2016, 68, 365-377.	2.7	152
52	Draft Genome Sequence of the Bacteriocin-Producing Strain Enterococcus faecium M3K31, Isolated from Griffon Vultures (Gyps fulvus subsp. fulvus). Genome Announcements, 2016, 4, .	0.8	6
53	Production of New Cladosporin Analogues by Reconstitution of the Polyketide Synthases Responsible for the Biosynthesis of this Antimalarial Agent. Angewandte Chemie - International Edition, 2016, 55, 664-668.	13.8	43
54	Nuclear Magnetic Resonance Solution Structures of Lacticin Q and Aureocin A53 Reveal a Structural Motif Conserved among Leaderless Bacteriocins with Broad-Spectrum Activity. Biochemistry, 2016, 55, 733-742.	2.5	39

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55	Comparison of 10,11â€Dehydrocurvularin Polyketide Synthases from Alternaria cinerariae and Aspergillus terreus Highlights Key Structural Motifs. ChemBioChem, 2015, 16, 2479-2483.	2.6	13
56	Understanding Programming of Fungal Iterative Polyketide Synthases: The Biochemical Basis for Regioselectivity by the Methyltransferase Domain in the Lovastatin Megasynthase. Journal of the American Chemical Society, 2015, 137, 15688-15691.	13.7	53
57	Synthesis of Tridecaptinâ€“Antibiotic Conjugates with in Vivo Activity against Gram-Negative Bacteria. Journal of Medicinal Chemistry, 2015, 58, 9779-9785.	6.4	51
58	Solution Structure of Acidocin B, a Circular Bacteriocin Produced by Lactobacillus acidophilus M46. Applied and Environmental Microbiology, 2015, 81, 2910-2918.	3.1	58
59	Genetic Determinants of Reutericyclin Biosynthesis in Lactobacillus reuteri. Applied and Environmental Microbiology, 2015, 81, 2032-2041.	3.1	56
60	Biochemical and Structural Basis for Controlling Chemical Modularity in Fungal Polyketide Biosynthesis. Journal of the American Chemical Society, 2015, 137, 9885-9893.	13.7	53
61	Studies on tridecaptin B₁, a lipopeptide with activity against multidrug resistant Gram-negative bacteria. Organic and Biomolecular Chemistry, 2015, 13, 6073-6081.	2.8	50
62	Total Synthesis and Stereochemical Assignment of the Antimicrobial Lipopeptide Cerexin A₁. Organic Letters, 2015, 17, 5428-5431.	4.6	18
63	Draft Genome Sequences of Paenibacillus polymyxa NRRL B-30509 and Paenibacillus terrae NRRL B-30644, Strains from a Poultry Environment That Produce Tridecaptin A and Paenicidins. Genome Announcements, 2015, 3, .	0.8	12
64	Solution Structure of Enterocin HF, an Antilisterial Bacteriocin Produced by Enterococcus faecium M3K31. Journal of Agricultural and Food Chemistry, 2015, 63, 10689-10695.	5.2	17
65	Characterization of bacterial antimicrobial peptides active against Campylobacter jejuni. Canadian Journal of Chemistry, 2015, 93, 381-388.	1.1	10
66	Unacylated tridecaptin A1 acts as an effective sensitiser of Gram-negative bacteria to other antibiotics. International Journal of Antimicrobial Agents, 2014, 44, 493-499.	2.5	30
67	Key Residues in Octylâ€Tridecaptin A₁ Analogues Linked to Stable Secondary Structures in the Membrane. ChemBioChem, 2014, 15, 1295-1299.	2.6	27
68	Structural characterization of thioether-bridged bacteriocins. Journal of Antibiotics, 2014, 67, 23-30.	2.0	47
69	Purification and characterization of antimicrobial peptides from fish isolate Carnobacterium maltaromaticum C2: Carnobacteriocin X and carnolysins A1 and A2. International Journal of Food Microbiology, 2014, 173, 81-88.	4.7	34
70	A carbonate-forming Baeyer-Villiger monooxygenase. Nature Chemical Biology, 2014, 10, 552-554.	8.0	75
71	Differential response of orthologous l,l-diaminopimelate aminotransferases (DapL) to enzyme inhibitory antibiotic lead compounds. Bioorganic and Medicinal Chemistry, 2014, 22, 523-530.	3.0	9
72	Molecular cloning and characterization of drimenol synthase from valerian plant (Valeriana) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62	2.8	23

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73	Biochemical, Structural, and Genetic Characterization of Tridecaptin A₁, an Antagonist of Campylobacter jejuni. ChemBioChem, 2014, 15, 243-249.	2.6	54
74	Explorations of fungal biosynthesis of reduced polyketides â€“ a personal viewpoint. Natural Product Reports, 2014, 31, 1253-1259.	10.3	32
75	Highly Selective but Multifunctional Oxygenases in Secondary Metabolism. Accounts of Chemical Research, 2014, 47, 3148-3161.	15.6	74
76	Ribosomally synthesized and post-translationally modified peptide natural products: overview and recommendations for a universal nomenclature. Natural Product Reports, 2013, 30, 108-160.	10.3	1,692
77	LovG: The Thioesterase Required for Dihydromonacolinâ€…L Release and Lovastatin Nonaketide Synthase Turnover in Lovastatin Biosynthesis. Angewandte Chemie, 2013, 125, 6600-6603.	2.0	9
78	Solution Structures of the Linear Leaderless Bacteriocins Enterocin 7A and 7B Resemble Carnocyclin A, a Circular Antimicrobial Peptide. Biochemistry, 2013, 52, 3987-3994.	2.5	34
79	Investigation of Fungal Iterative Polyketide Synthase Functions Using Partially Assembled Intermediates. Journal of the American Chemical Society, 2013, 135, 1735-1738.	13.7	40
80	Loss of Apelin Exacerbates Myocardial Infarction Adverse Remodeling and Ischemiaâ€reperfusion Injury: Therapeutic Potential of Synthetic Apelin Analogues. Journal of the American Heart Association, 2013, 2, e000249.	3.7	171
81	Characterization of DcsC, a PLP-independent racemase involved in the biosynthesis of d-cycloserine. Organic and Biomolecular Chemistry, 2012, 10, 2248.	2.8	17
82	The solid phase supported peptide synthesis of analogues of the lantibiotic lactocin S. MedChemComm, 2012, 3, 971-975.	3.4	15
83	Functional characterization of recombinant hyoscyamine 6Î²-hydroxylase from Atropa belladonna. Bioorganic and Medicinal Chemistry, 2012, 20, 4356-4363.	3.0	40
84	A fungal ketoreductase domain that displays substrate-dependent stereospecificity. Nature Chemical Biology, 2012, 8, 331-333.	8.0	84
85	The ABC Transporter CclEFGH Facilitates the Production of the Circular Bacteriocin Carnocyclin A. Probiotics and Antimicrobial Proteins, 2012, 4, 273-278.	3.9	1
86	The Synthesis of Active and Stable Diaminopimelate Analogues of the Lantibiotic Peptide Lactocin S. Journal of the American Chemical Society, 2012, 134, 2008-2011.	13.7	59
87	Substitution of a Conserved Disulfide in the Type IIa Bacteriocin, Leucocin A, with <scp>L</scp>â€Leucine and <scp>L</scp>â€Serine Residues: Effects on Activity and Threeâ€Dimensional Structure. ChemBioChem, 2012, 13, 35-38.	2.6	17
88	Identification of an N-Terminal Formylated, Two-Peptide Bacteriocin from Enterococcus faecalis 710C. Journal of Agricultural and Food Chemistry, 2011, 59, 5602-5608.	5.2	44
89	Solid Supported Chemical Syntheses of Both Components of the Lantibiotic Lacticin 3147. Journal of the American Chemical Society, 2011, 133, 14216-14219.	13.7	90
90	Structure and genetics of circular bacteriocins. Trends in Microbiology, 2011, 19, 411-418.	7.7	116

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91	The activity of bacteriocins from Carnobacterium maltaromaticum UAL307 against Gram-negative bacteria in combination with EDTA treatment. FEMS Microbiology Letters, 2011, 317, 152-159.	1.8	79
92	The 3D Solution Structure of Thurincinâ€…H, a Bacteriocin with Four Sulfur to Î±â€Carbon Crosslinks. Angewandte Chemie - International Edition, 2011, 50, 8718-8721.	13.8	61
93	Cloning and Characterization of the Gene Cluster Involved in the Production of the Circular Bacteriocin Carnocyclin A. Probiotics and Antimicrobial Proteins, 2010, 2, 218-225.	3.9	21
94	Biosynthesis of lovastatin and related metabolites formed by fungal iterative PKS enzymes. Biopolymers, 2010, 93, 755-763.	2.4	108
95	Exploration of inhibitors for diaminopimelate aminotransferase. Bioorganic and Medicinal Chemistry, 2010, 18, 2141-2151.	3.0	32
96	Chemical Synthesis and Biological Activity of the Neopetrosiamides and Their Analogues: Revision of Disulfide Bond Connectivity. Journal of the American Chemical Society, 2010, 132, 1486-1487.	13.7	36
97	The Three-dimensional Structure of Carnocyclin A Reveals That Many Circular Bacteriocins Share a Common Structural Motif. Journal of Biological Chemistry, 2009, 284, 28674-28681.	3.4	78
98	The circular bacteriocin, carnocyclin A, forms anion-selective channels in lipid bilayers. Biochimica Et Biophysica Acta - Biomembranes, 2009, 1788, 1797-1803.	2.6	45
99	Crystal Structure of Diaminopimelate Epimerase from Arabidopsis thaliana, an Amino Acid Racemase Critical for l-Lysine Biosynthesis. Journal of Molecular Biology, 2009, 385, 580-594.	4.2	33
100	Drug Discovery and Natural Products: End of an Era or an Endless Frontier?. Science, 2009, 325, 161-165.	12.6	1,688
101	Synthesis and Biological Activity of Oxa-Lacticin A2, a Lantibiotic Analogue with Sulfur Replaced by Oxygen. Organic Letters, 2009, 11, 5574-5577.	4.6	28
102	Hydrophobic Interactions as Substitutes for a Conserved Disulfide Linkage in the Type IIa Bacteriocins, Leucocin A and Pediocin PAâ€1. ChemBioChem, 2008, 9, 1898-1901.	2.6	17
103	Solidâ€Supported Synthesis and Biological Evaluation of the Lantibiotic Peptide Bis(desmethyl) Lacticinâ€…3147â€…A2. Angewandte Chemie - International Edition, 2008, 47, 9472-9475.	13.8	51
104	Fracturing Rings to Understand Lantibiotics. Chemistry and Biology, 2008, 15, 999-1001.	6.0	7
105	Isolation and Characterization of Carnocyclin A, a Novel Circular Bacteriocin Produced by Carnobacterium maltaromaticum UAL307. Applied and Environmental Microbiology, 2008, 74, 4756-4763.	3.1	134
106	Structureâ€“function relationship of inducer peptide pheromones involved in bacteriocin production in Carnobacterium maltaromaticum and Enterococcus faecium. Microbiology (United Kingdom), 2007, 153, 3660-3666.	1.8	11
107	Dynamics of catalysis revealed from the crystal structures of mutants of diaminopimelate epimerase. Biochemical and Biophysical Research Communications, 2007, 363, 547-553.	2.1	20
108	A Mechanistic View of Enzyme Inhibition and Peptide Hydrolysis in the Active Site of the SARS-CoV 3C-like Peptidase. Journal of Molecular Biology, 2007, 371, 1060-1074.	4.2	50

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109	Stereoselective Syntheses of 4-Oxa Diaminopimelic Acid and Its Protected Derivatives via Aziridine Ring Opening. Organic Letters, 2007, 9, 4211-4214.	4.6	39
110	A concise stereoselective synthesis of orthogonally protected lanthionine and Î²-methyllanthionine. Organic and Biomolecular Chemistry, 2007, 5, 1031-1038.	2.8	42
111	2005 Alfred Bader Award Lecture Diaminopimelate and lysine biosynthesis - An antimicrobial target in bacteria. Canadian Journal of Chemistry, 2006, 84, 1197-1207.	1.1	18
112	Antimicrobial Leucocin Analogues with a Disulfide Bridge Replaced by a Carbocycle or by Noncovalent Interactions of Allyl Glycine Residues. Journal of the American Chemical Society, 2006, 128, 14252-14253.	13.7	57
113	A convenient preparation of thioether functionalized porphyrins. Tetrahedron, 2006, 62, 11908-11915.	1.9	3
114	Structural insights into stereochemical inversion by diaminopimelate epimerase: An antibacterial drug target. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 8668-8673.	7.1	78
115	The stereoselective synthesis of aziridine analogues of diaminopimelic acid (DAP) and their interaction with dap epimerase. Organic and Biomolecular Chemistry, 2005, 3, 4402.	2.8	35
116	Synthesis of Oxytocin Analogues with Replacement of Sulfur by Carbon Gives Potent Antagonists with Increased Stability. Journal of Organic Chemistry, 2005, 70, 7799-7809.	3.2	98
117	Synthesis of mono- and disaccharide analogs of moenomycin and lipid II for inhibition of transglycosylase activity of penicillin-binding protein 1b. Bioorganic and Medicinal Chemistry, 2004, 12, 6473-6494.	3.0	43
118	Structural variations in keto-glutamines for improved inhibition against hepatitis A virus 3C proteinase. Bioorganic and Medicinal Chemistry Letters, 2004, 14, 3655-3658.	2.2	119
119	Structural Characterization of Lacticin 3147, a Two-Peptide Lantibiotic with Synergistic Activity. Biochemistry, 2004, 43, 3049-3056.	2.5	150
120	Dynamic Relationships among Type IIa Bacteriocins:Â Temperature Effects on Antimicrobial Activity and on Structure of the C-Terminal Amphipathic Î± Helix as a Receptor-Binding Regionâ€¡. Biochemistry, 2004, 43, 9009-9020.	2.5	75
121	Synthesis of Biologically Active Dicarba Analogues of the Peptide Hormone Oxytocin Using Ring-Closing Metathesis. Organic Letters, 2003, 5, 47-49.	4.6	115
122	Structure of Subtilosin A, an Antimicrobial Peptide from Bacillus subtilis with Unusual Posttranslational Modifications Linking Cysteine Sulfurs to Î±-Carbons of Phenylalanine and Threonine. Journal of the American Chemical Society, 2003, 125, 4726-4727.	13.7	111
123	Photolysis of Diacyl Peroxides:â€‰ A Radical-Based Approach for the Synthesis of Functionalized Amino Acids. Organic Letters, 2003, 5, 2963-2965.	4.6	38
124	Synthesis of pseudoxazolones and their inhibition of the 3C cysteine proteinases from hepatitis A virus and human rhinovirus-14. Journal of the Chemical Society, Perkin Transactions 1, 2002, , 1351-1359.	1.3	9
125	Two-peptide bacteriocins produced by lactic acid bacteria. Biochimie, 2002, 84, 577-592.	2.6	199
126	Conjugate addition of radicals generated from diacyloxyiodobenzenes to dehydroamino acid derivatives; a synthesis of diaminopimelic acid analogues. Chemical Communications, 2002, , 224-225.	4.1	36

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127	The first stereospecific synthesis of l-tetrahydrodipicolinic acidâ€; a key intermediate of diaminopimelate metabolism. Journal of the Chemical Society, Perkin Transactions 1, 2001, , 2217-2220.	1.3	13
128	Conversion of cyclic nonaketides to lovastatin and compactin by a lovc deficient mutant of Aspergillus terreus. Bioorganic and Medicinal Chemistry Letters, 2001, 11, 1527-1531.	2.2	39
129	Pseudoxazolones, a new class of inhibitors for cysteine proteinases: inhibition of hepatitis A virus and human rhinovirus 3C proteinases. Chemical Communications, 2001, , 2740-2741.	4.1	3
130	Bacterial diaminopimelate metabolism as a target for antibiotic design. Bioorganic and Medicinal Chemistry, 2000, 8, 843-871.	3.0	120
131	Aspects of the biosynthesis of non-aromatic fungal polyketides by iterative polyketide synthases. Antonie Van Leeuwenhoek, 2000, 78, 287-295.	1.7	89
132	For the record: The threeâ€dimensional structure of the ternary complex of Corynebacterium glutamicum diaminopimelate dehydrogenaseâ€NADPHâ€Lâ€2â€aminoâ€6â€methyleneâ€pimelate. Protein Science, 2000, 9, 2034-2037.	2.6	29
133	Analogues of Bacteriocins:â€‰ Antimicrobial Specificity and Interactions of Leucocin A with Its Enantiomer, Carnobacteriocin B2, and Truncated Derivatives. Journal of Medicinal Chemistry, 2000, 43, 4579-4581.	6.4	53
134	Lovastatin Nonaketide Synthase Catalyzes an Intramolecular Dielsâ^'Alder Reaction of a Substrate Analogue. Journal of the American Chemical Society, 2000, 122, 11519-11520.	13.7	226
135	Identification of Active Site Cysteine Residues that Function as General Bases:Â Diaminopimelate Epimerase. Journal of the American Chemical Society, 2000, 122, 6122-6123.	13.7	23
136	Vinylogous Amide Analogues of Diaminopimelic Acid (DAP) as Inhibitors of Enzymes Involved in Bacterial Lysine Biosynthesis. Organic Letters, 2000, 2, 3857-3860.	4.6	19
137	Unsaturated Î±-aminopimelic acids as potent inhibitors of meso-diaminopimelic acid (DAP) D-dehydrogenase. Chemical Communications, 1999, , 555-556.	4.1	26
138	Modulation of Polyketide Synthase Activity by Accessory Proteins During Lovastatin Biosynthesis. Science, 1999, 284, 1368-1372.	12.6	606
139	Formation of Nicotinamide from Nicotinuric Acid by Peptidylglycine Î±-Amidating Monooxygenase (PAM):Â A Possible Alternative Route from Nicotinic Acid (Niacin) to NADP in Mammals. Journal of the American Chemical Society, 1999, 121, 4904-4905.	13.7	18
140	Solution Structure of Carnobacteriocin B2 and Implications for Structureâ^'Activity Relationships among Type IIa Bacteriocins from Lactic Acid Bacteriaâ€,â€¡. Biochemistry, 1999, 38, 15438-15447.	2.5	89
141	The first isolation of an alkoxy-N,N-dialkylaminodifluorosulfane from the reaction of an alcohol and DAST: an efficient synthesis of (2S,3R,6S)-3-fluoro-2,6-diaminopimelic acid. Chemical Communications, 1999, , 1739-1740.	4.1	32
142	Î²-Lactones as a New Class of Cysteine Proteinase Inhibitors:Â Inhibition of Hepatitis A Virus 3C Proteinase byN-Cbz-serine Î²-Lactone. Organic Letters, 1999, 1, 803-806.	4.6	35
143	Azodicarboxamides:Â A New Class of Cysteine Proteinase Inhibitor for Hepatitis A Virus and Human Rhinovirus 3C Enzymes. Journal of Organic Chemistry, 1999, 64, 9538-9546.	3.2	23
144	Atypical Genetic Locus Associated with Constitutive Production of Enterocin B by Enterococcus faecium BFE 900. Applied and Environmental Microbiology, 1999, 65, 2170-2178.	3.1	85

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