Nobuaki Matsumori

List of Publications by Year
in descending order

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145
papers

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citations

101384
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159
all docs

159
docs citations

159
times ranked

4870
citing authors

#	Article	IF	Citations
1	Amphotericin B assembles into seven-molecule ion channels: An NMR and molecular dynamics study. Science Advances, 2022, 8, .	4.7	20
2	Molecular substructure of the liquid-ordered phase formed by sphingomyelin and cholesterol: sphingomyelin clusters forming nano-subdomains are a characteristic feature. Biophysical Reviews, 2022, 14, 655-678.	1.5	12
3	Metal Complex Lipids for Fluidâ€“Fluid Phase Separation in Coassembled Phospholipid Membranes. Angewandte Chemie - International Edition, 2021, 60, 13603-13608.	7.2	3
4	Metal Complex Lipids for Fluidâ€“Fluid Phase Separation in Coassembled Phospholipid Membranes. Angewandte Chemie, 2021, 133, 13715-13720.	1.6	0
5	Amphidinol 3 preferentially binds to cholesterol in disordered domains and disrupts membrane phase separation. Biochemistry and Biophysics Reports, 2021, 26, 100941.	0.7	5
6	Preparation of Nitrogen Analogues of Ceramide and Studies of Their Aggregation in Sphingomyelin Bilayers. Langmuir, 2021, 37, 12438-12446.	1.6	1
7	Recent advances in microscale separation techniques for lipidome analysis. Analyst, The, 2021, 146, 7418-7430.	1.7	5
8	Archaeal Glycolipid S-TGA-1 Is Crucial for Trimer Formation and Photocycle Activity of Bacteriorhodopsin. ACS Chemical Biology, 2020, 15, 197-204.	1.6	10
9	The influence of ceramide and its dihydro analog on the physico-chemical properties of sphingomyelin bilayers. Chemistry and Physics of Lipids, 2020, 226, 104835.	1.5	9
10	Defining raft domains in the plasma membrane. Traffic, 2020, 21, 106-137.	1.3	94
11	Sphingomyelin Nanodomains Mainly Constitute Liquid-Ordered Phase of Ternary Model Membrane. Biophysical Journal, 2020, 118, 78a.	0.2	0
12	Assembly formation of minor dihydrosphingomyelin in sphingomyelin-rich ordered membrane domains. Scientific Reports, 2020, 10, 11794.	1.6	9
13	Pseudoâ€Membrane Jackets: Twoâ€Dimensional Coordination Polymers Achieving Visible Phase Separation in Cell Membrane. Angewandte Chemie, 2020, 132, 18087-18093.	1.6	7
14	Low-flux scanning electron diffraction reveals substructures inside the ordered membrane domain. Scientific Reports, 2020, 10, 22188.	1.6	5
15	Pseudoâ€Membrane Jackets: Twoâ€Dimensional Coordination Polymers Achieving Visible Phase Separation in Cell Membrane. Angewandte Chemie - International Edition, 2020, 59, 17931-17937.	7.2	11
16	Biophysics at Kyushu University. Biophysical Reviews, 2020, 12, 245-247.	1.5	3
17	Total Synthesis of Amphidinol 3: A General Strategy for Synthesizing Amphidinol Analogues and Structureâ€“Activity Relationship Study. Journal of the American Chemical Society, 2020, 142, 3472-3478.	6.6	28
18	Chemical diversity and mode of action of natural products targeting lipids in the eukaryotic cell membrane. Natural Product Reports, 2020, 37, 677-702.	5.2	21

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19	Theonellamide A, a marine-sponge-derived bicyclic peptide, binds to cholesterol in aqueous DMSO: Solution NMR-based analysis of peptide-sterol interactions using hydroxylated sterol. Biochimica Et Biophysica Acta - Biomembranes, 2019, 1861, 228-235.	1.4	10
20	Cholesterol-Induced Conformational Change in the Sphingomyelin Headgroup. Biophysical Journal, 2019, 117, 307-318.	0.2	14
21	Mechanism of local anesthetic-induced disruption of raft-like ordered membrane domains. Biochimica Et Biophysica Acta - General Subjects, 2019, 1863, 1381-1389.	1.1	21
22	The Perpendicular Orientation of Amphotericin B Methyl Ester in Hydrated Lipid Bilayers Supports the Barrel-Stave Model. Biochemistry, 2019, 58, 2282-2291.	1.2	24
23	A concise method for quantitative analysis of interactions between lipids and membrane proteins. Analytica Chimica Acta, 2019, 1059, 103-112.	2.6	15
24	The Amphotericin Bâ€"Ergosterol Complex Spans a Lipid Bilayer as a Single-Length Assembly. Biochemistry, 2019, 58, 5188-5196.	1.2	21
25	Preparation and Membrane Distribution of Fluorescent Derivatives of Ceramide. Langmuir, 2019, 35, 2392-2398.	1.6	8
26	Synthesis and Stereochemical Revision of the C31â€"C67 Fragment of Amphidinolâ€...3. Angewandte Chemie, 2018, 130, 6168-6172.	1.6	4
27	Synthesis and Stereochemical Revision of the C31â€"C67 Fragment of Amphidinolâ€...3. Angewandte Chemie - International Edition, 2018, 57, 6060-6064.	7.2	23
28	Structural Analogs of Palmitoyl Ceramide and their Functions in Membranes. Biophysical Journal, 2018, 114, 448a.	0.2	0
29	Preparation and Membrane Properties of Oxidized Ceramide Derivatives. Langmuir, 2018, 34, 465-471.	1.6	6
30	Synthesis and Complete Structure Determination of a Sperm-Activating and -Attracting Factor Isolated from the Ascidian <i>Ascidia sydneiensis</i>. Journal of Natural Products, 2018, 81, 985-997.	1.5	8
31	Dynamic membrane interactions of antibacterial and antifungal biomolecules, and amyloid peptides, revealed by solid-state NMR spectroscopy. Biochimica Et Biophysica Acta - General Subjects, 2018, 1862, 307-323.	1.1	37
32	NMR Studies on Natural Productâ€"Stereochemical Determination and Conformational Analysis in Solution and in Membrane. , 2018, , 383-414.		1
33	On the Importance of the C(1)â€"OH and C(3)â€"OH Functional Groups of the Long-Chain Base of Ceramide for Interlipid Interaction and Lateral Segregation into Ceramide-Rich Domains. Langmuir, 2018, 34, 15864-15870.	1.6	10
34	Sphingomyelin Stereoisomers Reveal That Homophilic Interactions Cause Nanodomain Formation. Biophysical Journal, 2018, 115, 1530-1540.	0.2	20
35	Evidence of lipid rafts based on the partition and dynamic behavior of sphingomyelins. Chemistry and Physics of Lipids, 2018, 215, 84-95.	1.5	29
36	Recent Solid-State NMR Studies of Hydrated Lipid Membranes. Annual Reports on NMR Spectroscopy, 2018, , 41-72.	0.7	5

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37	Excellent Fluorescent Sphingomyelin Analog Reveals the Existence of Lipid Rafts. Seibutsu Butsuri, 2018, 58, 321-323.	0.0	0
38	Raft-based sphingomyelin interactions revealed by new fluorescent sphingomyelin analogs. Journal of Cell Biology, 2017, 216, 1183-1204.	2.3	108
39	Channel Formation and Membrane Deformation via Sterol-Aided Polymorphism of Amphidinol 3. Scientific Reports, 2017, 7, 10782.	1.6	17
40	Emphatic visualization of sphingomyelin-rich domains by inter-lipid FRET imaging using fluorescent sphingomyelins. Scientific Reports, 2017, 7, 16801.	1.6	12
41	The impact of metal complex lipids on viscosity and curvature of hybrid liposomes. Chemical Communications, 2017, 53, 13249-13252.	2.2	11
42	Structures of the Largest Amphidinol Homologues from the Dinoflagellate <i>Amphidinium carterae</i> and Structureâ€"Activity Relationships. Journal of Natural Products, 2017, 80, 2883-2888.	1.5	32
43	¹³Câ€TmDOTA as versatile thermometer compound for solidâ€state NMR of hydrated lipid bilayer membranes. Magnetic Resonance in Chemistry, 2016, 54, 227-233.	1.1	4
44	The Structure of the Bimolecular Complex between Amphotericin B and Ergosterol in Membranes Is Stabilized by Face-to-Face van der Waals Interaction with Their Rigid Cyclic Cores. Biochemistry, 2016, 55, 3392-3402.	1.2	22
45	Lipid Interactions and Organization in Complex Bilayer Membranes. Biophysical Journal, 2016, 110, 1563-1573.	0.2	23
46	Sterol-dependent membrane association of the marine sponge-derived bicyclic peptide Theonellamide A as examined by 1H NMR. Bioorganic and Medicinal Chemistry, 2016, 24, 5235-5242.	1.4	6
47	Membrane protein structure determination by SAD, SIR, or SIRAS phasing in serial femtosecond crystallography using an iododetergent. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 13039-13044.	3.3	43
48	Marine sponge cyclic peptide theonellamide A disrupts lipid bilayer integrity without forming distinct membrane pores. Biochimica Et Biophysica Acta - Biomembranes, 2016, 1858, 1373-1379.	1.4	21
49	Bioactive Structure of Membrane Lipids and Natural Products Elucidated by a Chemistryâ€Based Approach. Chemical Record, 2015, 15, 675-690.	2.9	18
50	Modification of Bafilomycin Structure to Efficiently Synthesize Solidâ€State NMR Probes that Selectively Bind to Vacuolarâ€Type ATPase. Chemistry - an Asian Journal, 2015, 10, 915-924.	1.7	8
51	Novel Raman-tagged sphingomyelin that closely mimics original raft-forming behavior. Bioorganic and Medicinal Chemistry, 2015, 23, 2989-2994.	1.4	17
52	Formation of Gel-like Nanodomains in Cholesterol-Containing Sphingomyelin or Phosphatidylcholine Binary Membrane As Examined by Fluorescence Lifetimes and 2H NMR Spectra. Langmuir, 2015, 31, 13783-13792.	1.6	21
53	Axial Hydrogen at C7 Position and Bumpy Tetracyclic Core Markedly Reduce Sterolâ€™s Affinity to Amphotericin B in Membrane. Biochemistry, 2015, 54, 303-312.	1.2	15
54	Orientation and Order of the Amide Group of Sphingomyelin in Bilayers Determined by Solid-State NMR. Biophysical Journal, 2015, 108, 2816-2824.	0.2	27

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55	Stereoselective synthesis of the head group of archaeal phospholipid PGP-Me to investigate bacteriorhodopsinâ€“lipid interactions. Organic and Biomolecular Chemistry, 2015, 13, 10279-10284.	1.5	10
56	Role of polyol moiety of amphotericin B in ion channel formation and sterol selectivity in bilayer membrane. Bioorganic and Medicinal Chemistry, 2015, 23, 5782-5788.	1.4	10
57	Deuterium NMR of Raft Model Membranes Reveals Domain-Specific Order Profiles and Compositional Distribution. Biophysical Journal, 2015, 108, 2502-2506.	0.2	56
58	Phosphatidylcholine bearing 6,6-dideuterated oleic acid: A useful solid-state 2H NMR probe for investigating membrane properties. Bioorganic and Medicinal Chemistry Letters, 2015, 25, 203-206.	1.0	8
59	Coexistence of two liquid crystalline phases in dihydrosphingomyelin and dioleoylphosphatidylcholine binary mixtures. Biochimica Et Biophysica Acta - Biomembranes, 2014, 1838, 1372-1381.	1.4	17
60	Effect of Sterol Side Chain on Ion Channel Formation by Amphotericin B in Lipid Bilayers. Biochemistry, 2014, 53, 3088-3094.	1.2	14
61	Direct and Stereospecific Interaction of Amphidinol 3 with Sterol in Lipid Bilayers. Biochemistry, 2014, 53, 3287-3293.	1.2	34
62	Detailed Comparison of Deuterium Quadrupole Profiles between Sphingomyelin and Phosphatidylcholine Bilayers. Biophysical Journal, 2014, 106, 631-638.	0.2	59
63	Structure and Biological Activity of 8-Deoxyheronamide C from a Marine-Derived <i>Streptomyces</i> sp.: Heronamides Target Saturated Hydrocarbon Chains in Lipid Membranes. Journal of the American Chemical Society, 2014, 136, 5209-5212.	6.6	54
64	Design and Synthesis of 24-Fluorinated Bafilomycin Analogue as an NMR Probe with Potent Inhibitory Activity to Vacuolar-type ATPase. Chemistry Letters, 2014, 43, 474-476.	0.7	5
65	Structure and Interaction in Lipid Bilayers Analyzed Using Bicelles. Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry, 2014, 72, 596-603.	0.0	0
66	A Novel Sperm-Activating and Attracting Factor from the Ascidian <i>Ascidia sydneiensis</i>. Organic Letters, 2013, 15, 294-297.	2.4	17
67	Synthesis and Structure Revision of the C43â€“C67 Part of Amphidinol 3. Organic Letters, 2013, 15, 2846-2849.	2.4	29
68	Interaction between the Marine Sponge Cyclic Peptide Theonellamide A and Sterols in Lipid Bilayers As Viewed by Surface Plasmon Resonance and Solid-State ²H Nuclear Magnetic Resonance. Biochemistry, 2013, 52, 2410-2418.	1.2	40
69	Characterization of the ordered phase formed by sphingomyelin analogues and cholesterol binary mixtures. Biophysics (Nagoya-shi, Japan), 2013, 9, 37-49.	0.4	11
70	Confirmation of the Absolute Configuration at C45 of Amphidinol 3. Journal of Natural Products, 2012, 75, 2003-2006.	1.5	18
71	Head-to-Tail Interaction between Amphotericin B and Ergosterol Occurs in Hydrated Phospholipid Membrane. Biochemistry, 2012, 51, 83-89.	1.2	34
72	Effects of chemical modification of sphingomyelin ammonium group on formation of liquid-ordered phase. Bioorganic and Medicinal Chemistry, 2012, 20, 4012-4019.	1.4	9

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73	Possible conformation of amphotericin B dimer in membrane-bound assembly as deduced from solid-state NMR. Bioorganic and Medicinal Chemistry, 2012, 20, 5699-5704.	1.4	3
74	Comprehensive Molecular Motion Capture for Sphingomyelin by Site-Specific Deuterium Labeling. Biochemistry, 2012, 51, 8363-8370.	1.2	58
75	NMR-based conformational analysis of sphingomyelin in bicelles. Bioorganic and Medicinal Chemistry, 2012, 20, 270-278.	1.4	29
76	Artificial ladder-shaped polyethers that inhibit maitotoxin-induced Ca2+ influx in rat glioma C6 cells. Bioorganic and Medicinal Chemistry Letters, 2012, 22, 3619-3622.	1.0	10
77	An Approach Toward Identification of Target Proteins of Maitotoxin Based on Organic Synthesis. , 2012, , 23-35.		0
78	Synthesis of 6-F-ergosterol and its influence on membrane-permeabilization of amphotericin B and amphidinol 3. Organic and Biomolecular Chemistry, 2011, 9, 1437.	1.5	12
79	Channels Formed by Amphotericin B Covalent Dimers Exhibit Rectification. Journal of Membrane Biology, 2011, 240, 159-164.	1.0	13
80	Conformations of Spermine in Adenosine Triphosphate Complex: The Structural Basis for Weak Bimolecular Interactions of Major Cellular Electrolytes. Chemistry - A European Journal, 2011, 17, 4788-4795.	1.7	5
81	Design and Synthesis of Sphingomyelinâ€"Cholesterol Conjugates and Their Formation of Ordered Membranes. Chemistry - A European Journal, 2011, 17, 8568-8575.	1.7	8
82	Fluorinated cholesterol retains domain-forming activity in sphingomyelin bilayers. Chemistry and Physics of Lipids, 2011, 164, 401-408.	1.5	12
83	Lysine proximity significantly affects glycation of lysine-containing collagen model peptides. Bioorganic and Medicinal Chemistry, 2011, 19, 2125-2129.	1.4	3
84	Sterol effect on interaction between amphidinol 3 and liposomal membrane as evidenced by surface plasmon resonance. Bioorganic and Medicinal Chemistry Letters, 2010, 20, 2215-2218.	1.0	28
85	Detection of Rap1A as a yessotoxin binding protein from blood cell membranes. Bioorganic and Medicinal Chemistry Letters, 2010, 20, 6443-6446.	1.0	11
86	Structural Reevaluations of Amphidinol 3, a Potent Antifungal Compound from Dinoflagellate. Heterocycles, 2010, 82, 1359.	0.4	3
87	3D structures of membrane-associated small molecules as determined in isotropic bicelles. Natural Product Reports, 2010, 27, 1480.	5.2	29
88	Ion channel complex of antibiotics as viewed by NMR. Pure and Applied Chemistry, 2009, 81, 1123-1129.	0.9	16
89	Conformational Change of Spermidine upon Interaction with Adenosine Triphosphate in Aqueous Solution. Chemistry - A European Journal, 2009, 15, 1618-1626.	1.7	9
90	Amphotericin B-induced ion flux is markedly attenuated in phosphatidylglycerol membrane as evidenced by a newly devised fluorometric method. Bioorganic and Medicinal Chemistry, 2009, 17, 6301-6304.	1.4	9

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91	Surface plasmon resonance-based detection of ladder-shaped polyethers by inhibition detection method. Bioorganic and Medicinal Chemistry Letters, 2009, 19, 2824-2828.	1.0	15
92	Direct Interaction between Amphotericin B and Ergosterol in Lipid Bilayers As Revealed by ²H NMR Spectroscopy. Journal of the American Chemical Society, 2009, 131, 11855-11860.	6.6	69
93	Synthesis of 25-13C-Amphotericin B Methyl Ester: A Molecular Probe for Solid-state NMR Measurements. Chemistry Letters, 2009, 38, 114-115.	0.7	8
94	Selfâ€Assembled Amphotericinâ€…B Is Probably Surrounded by Ergosterol: Bimolecular Interactions as Evidenced by Solidâ€State NMR and CD Spectra. Chemistry - A European Journal, 2008, 14, 1178-1185.	1.7	40
95	Effects of lipid constituents on membrane-permeabilizing activity of amphidinols. Bioorganic and Medicinal Chemistry, 2008, 16, 3084-3090.	1.4	38
96	Interaction of ladder-shaped polyethers with transmembrane Î±-helix of glycophorin A as evidenced by saturation transfer difference NMR and surface plasmon resonance. Bioorganic and Medicinal Chemistry Letters, 2008, 18, 6115-6118.	1.0	17
97	Roles of integral protein in membrane permeabilization by amphidinols. Biochimica Et Biophysica Acta - Biomembranes, 2008, 1778, 1453-1459.	1.4	19
98	Orientation of Fluorinated Cholesterol in Lipid Bilayers Analyzed by ¹⁹F Tensor Calculation and Solid-State NMR. Journal of the American Chemical Society, 2008, 130, 4757-4766.	6.6	24
99	Structure of Membrane-Bound Amphidinol 3 in Isotropic Small Bicelles. Organic Letters, 2008, 10, 4191-4194.	2.4	34
100	Design and Synthesis of Ladder-Shaped Tetracyclic, Heptacyclic, and Decacyclic Ethers and Evaluation of the Interaction with Transmembrane Proteins. Journal of the American Chemical Society, 2008, 130, 10217-10226.	6.6	32
101	Combinatorial Synthesis of the 1,5-Polyol System Based on Cross Metathesis: Structure Revision of Amphidinol 3. Organic Letters, 2008, 10, 5203-5206.	2.4	61
102	Complex Formation of Amphotericin B in Sterol-Containing Membranes As Evidenced by Surface Plasmon Resonance. Biochemistry, 2008, 47, 7807-7815.	1.2	63
103	Convergent Synthesis and Biological Activity of the WXYZAâ€²Bâ€²Câ€² Ring System of Maitotoxin. Organic Letters, 2008, 10, 3599-3602.	2.4	39
104	Ergosterol Increases the Intermolecular Distance of Amphotericin B in the Membrane-Bound Assembly As Evidenced by Solid-State NMR. Biochemistry, 2008, 47, 13463-13469.	1.2	36
105	Structural Features of Dinoflagellate Toxins Underlying Biological Activity as Viewed by NMR. Bulletin of the Chemical Society of Japan, 2008, 81, 307-319.	2.0	26
106	Accurate Measurement of Vicinal Carbonâ€“Hydrogen Coupling Constants via Ammonium Nitrogen Based on HMBC Experiments. Chemistry Letters, 2008, 37, 1172-1173.	0.7	3
107	Conformation and Position of Membrane-Bound Amphotericin B Deduced from NMR in SDS Micelles. Journal of Organic Chemistry, 2007, 72, 700-706.	1.7	16
108	Conformation and Location of Membrane-Bound Salinomycinâˆ’Sodium Complex Deduced from NMR in Isotropic Bicelles. Journal of the American Chemical Society, 2007, 129, 14989-14995.	6.6	42

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109	Assignment of the absolute configuration of blasticidin A and revision of that of aflastatin A. Tetrahedron Letters, 2007, 48, 2527-2531.	0.7	19
110	Amphotericin B covalent dimers with carbonyl-amino linkage: a new probe for investigating ion channel assemblies. Tetrahedron Letters, 2007, 48, 3393-3396.	0.7	15
111	Large Molecular Assembly of Amphotericin B Formed in Ergosterol-Containing Membrane Evidenced by Solid-State NMR of Intramolecular Bridged Derivative. Journal of the American Chemical Society, 2006, 128, 11977-11984.	6.6	28
112	Membrane interaction of amphotericin B as single-length assembly examined by solid state NMR for uniformly 13C-enriched agent. Bioorganic and Medicinal Chemistry, 2006, 14, 6608-6614.	1.4	26
113	Structures of new amphidinols with truncated polyhydroxyl chain and their membrane-permeabilizing activities. Bioorganic and Medicinal Chemistry, 2006, 14, 6548-6554.	1.4	78
114	Design and synthesis of an artificial ladder-shaped polyether that interacts with glycophorin A. Bioorganic and Medicinal Chemistry Letters, 2006, 16, 6355-6359.	1.0	21
115	Synthesis of 28-19F-amphotericin B methyl ester. Tetrahedron Letters, 2006, 47, 6187-6191.	0.7	39
116	Detailed Description of the Conformation and Location of Membrane-Bound Erythromycin A Using Isotropic Bicelles. Journal of Medicinal Chemistry, 2006, 49, 3501-3508.	2.9	19
117	Derivatization and Isotope Labeling of Amphotericin B Aiming at Elucidation of the Ion-channel Structure. Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry, 2006, 64, 502-514.	0.0	3
118	Ladder-shaped polyether compound, desulfated yessotoxin, interacts with membrane-integral Î±-helix peptides. Bioorganic and Medicinal Chemistry, 2005, 13, 5099-5103.	1.4	28
119	Hairpin conformation of amphidinols possibly accounting for potent membrane permeabilizing activities. Tetrahedron, 2005, 61, 2795-2802.	1.0	62
120	Isolation and structure elucidation of a new amphidinol with a truncated polyhydroxyl chain from Amphidinium klebsii. Tetrahedron, 2005, 61, 8606-8610.	1.0	77
121	Bioactive fluorinated derivative of amphotericin B. Bioorganic and Medicinal Chemistry Letters, 2005, 15, 3565-3567.	1.0	30
122	Dominant Formation of a Single-Length Channel by Amphotericin B in Dimyristoylphosphatidylcholine Membrane Evidenced by 13Câ˜31P Rotational Echo Double Resonance. Biochemistry, 2005, 44, 704-710.	1.2	47
123	Mycosamine Orientation of Amphotericin B Controlling Interaction with Ergosterol:Â Sterol-Dependent Activity of Conformation-Restricted Derivatives with an Amino-Carbonyl Bridge. Journal of the American Chemical Society, 2005, 127, 10667-10675.	6.6	81
124	Amphotericin B Covalent Dimers Bearing a Tartarate Linkage. Chemistry and Biodiversity, 2004, 1, 346-352.	1.0	17
125	Synthesis and conformation of deuterated spermidine for investigating weak interaction with polyanionic biomolecules. Tetrahedron, 2004, 60, 5163-5170.	1.0	4
126	An Amphotericin B-Ergosterol Covalent Conjugate with Powerful Membrane Permeabilizing Activity. Chemistry and Biology, 2004, 11, 673-679.	6.2	35

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127	Membrane-permeabilizing activities of amphidinol 3, polyene-polyhydroxy antifungal from a marine dinoflagellate. Biochimica Et Biophysica Acta - Biomembranes, 2004, 1667, 91-100.	1.4	55
128	Amphotericin Bâ€"phospholipid covalent conjugates: dependence of membrane-permeabilizing activity on acyl-chain length. Organic and Biomolecular Chemistry, 2003, 1, 3882-3884.	1.5	28
129	Amphotericin B Dimers with Bisamide Linkage Bearing Powerful Membrane-Permeabilizing Activity. Organic Letters, 2002, 4, 2087-2089.	2.4	36
130	Amphotericin B Covalent Dimers Forming Sterol-Dependent Ion-Permeable Membrane Channels. Journal of the American Chemical Society, 2002, 124, 4180-4181.	6.6	70
131	Absolute Configuration of Aflastatin A, a Specific Inhibitor of Aflatoxin Production byAspergillusparasiticus. Journal of Organic Chemistry, 2000, 65, 438-444.	1.7	52
132	Leptomycin B inactivates CRM1/exportin 1 by covalent modification at a cysteine residue in the central conserved region. Proceedings of the National Academy of Sciences of the United States of America, 1999, 96, 9112-9117.	3.3	953
133	Stereochemical Determination of Acyclic Structures Based on Carbonâ^'Proton Spin-Coupling Constants. A Method of Configuration Analysis for Natural Products. Journal of Organic Chemistry, 1999, 64, 866-876.	1.7	697
134	Absolute Configuration of Amphidinol 3, the First Complete Structure Determination from Amphidinol Homologues:Â Application of a New Configuration Analysis Based on Carbonâ^'Hydrogen Spin-Coupling Constants. Journal of the American Chemical Society, 1999, 121, 870-871.	6.6	185
135	Absolute Structure and Total Synthesis of Lipogrammistin-A, a Lipophilic Ichthyotoxin of the Soapfish. Journal of Organic Chemistry, 1998, 63, 3925-3932.	1.7	16
136	Involvement of AfsA in A-factor Biosynthesis as a Key Enzyme.. Journal of Antibiotics, 1997, 50, 847-852.	1.0	50
137	Analysis of Relative Configuration of Acyclic Compounds Based on Long-range Carbon-Proton Coupling Constants Determined by Two Dimensional NMR.. Nippon Kagaku Kaishi / Chemical Society of Japan - Chemistry and Industrial Chemistry Journal, 1997, 1997, 749-757.	0.1	1
138	Die Struktur von Maitotoxin â€" I: Konfiguration der C1â€C14â€Seitenkette. Angewandte Chemie, 1996, 108, 1782-1785.	1.6	29
139	Die Struktur von Maitotoxin â€" II: Konfiguration der C135â€C142â€Seitenkette und absolute Konfiguration des gesamten MolekÃ¼ls. Angewandte Chemie, 1996, 108, 1786-1789.	1.6	24
140	The Complete Structure of Maitotoxin, Part I: Configuration of the C1ï£¿C14 Side Chain. Angewandte Chemie International Edition in English, 1996, 35, 1672-1675.	4.4	102
141	The Complete Structure of Maitotoxin, Part II: Configuration of the C135ï£¿C142 Side Chain and Absolute Configuration of the Entire Molecule. Angewandte Chemie International Edition in English, 1996, 35, 1675-1678.	4.4	99
142	Long-range carbon-proton coupling constants for stereochemical assignment of acyclic structures in natural products: Configuration of the C5î—¸C9 portion of maitotoxin. Tetrahedron Letters, 1996, 37, 1269-1272.	0.7	50
143	Isolation and chemical structure of amphidinol 2, a potent hemolytic compound from marine dinoflagellate Amphidinium klebsii. Tetrahedron Letters, 1995, 36, 6279-6282.	0.7	110
144	Stereochemical assignment of the C35-C39 Acyclic linkage in maitotoxin: completion of stereochemical determination of C15-C134. Tetrahedron Letters, 1995, 36, 9011-9014.	0.7	50

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145	Conformational analysis of natural products using long-range carbon-proton coupling constants: Three-dimensional structure of okadaic acid in solution. Tetrahedron, 1995, 51, 12229-12238.	1.0	64