Nobuaki Matsumori

List of Publications by Year
in descending order

145 papers	5,472 citations	101384 36 h-index	95083 68 g-index
159 all docs	159 docs citations	159 times ranked	4870 citing authors

#	Article	IF	Citations
1	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
2	Stereochemical Determination of Acyclic Structures Based on Carbonâˆ’Proton Spin-Coupling Constants. A Method of Configuration Analysis for Natural Products. Journal of Organic Chemistry, 1999, 64, 866-876.	1.7	697
3	Absolute Configuration of Amphidinol 3, the First Complete Structure Determination from Amphidinol Homologues:Â Application of a New Configuration Analysis Based on Carbonâˆ’Hydrogen Spin-Coupling Constants. Journal of the American Chemical Society, 1999, 121, 870-871.	6.6	185
4	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
5	Raft-based sphingomyelin interactions revealed by new fluorescent sphingomyelin analogs. Journal of Cell Biology, 2017, 216, 1183-1204.	2.3	108
6	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
7	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
8	Defining raft domains in the plasma membrane. Traffic, 2020, 21, 106-137.	1.3	94
9	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
10	Structures of new amphidinols with truncated polyhydroxyl chain and their membrane-permeabilizing activities. Bioorganic and Medicinal Chemistry, 2006, 14, 6548-6554.	1.4	78
11	Isolation and structure elucidation of a new amphidinol with a truncated polyhydroxyl chain from Amphidinium klebsii. Tetrahedron, 2005, 61, 8606-8610.	1.0	77
12	Amphotericin B Covalent Dimers Forming Sterol-Dependent Ion-Permeable Membrane Channels. Journal of the American Chemical Society, 2002, 124, 4180-4181.	6.6	70
13	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
14	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
15	Complex Formation of Amphotericin B in Sterol-Containing Membranes As Evidenced by Surface Plasmon Resonance. Biochemistry, 2008, 47, 7807-7815.	1.2	63
16	Hairpin conformation of amphidinols possibly accounting for potent membrane permeabilizing activities. Tetrahedron, 2005, 61, 2795-2802.	1.0	62
17	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
18	Detailed Comparison of Deuterium Quadrupole Profiles between Sphingomyelin and Phosphatidylcholine Bilayers. Biophysical Journal, 2014, 106, 631-638.	0.2	59

#	Article	IF	Citations
19	Comprehensive Molecular Motion Capture for Sphingomyelin by Site-Specific Deuterium Labeling. Biochemistry, 2012, 51, 8363-8370.	1.2	58
20	Deuterium NMR of Raft Model Membranes Reveals Domain-Specific Order Profiles and Compositional Distribution. Biophysical Journal, 2015, 108, 2502-2506.	0.2	56
21	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
22	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
23	Absolute Configuration of Aflastatin A, a Specific Inhibitor of Aflatoxin Production byAspergillusparasiticus. Journal of Organic Chemistry, 2000, 65, 438-444.	1.7	52
24	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
25	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
26	Involvement of AfsA in A-factor Biosynthesis as a Key Enzyme.. Journal of Antibiotics, 1997, 50, 847-852.	1.0	50
27	Dominant Formation of a Single-Length Channel by Amphotericin B in Dimyristoylphosphatidylcholine Membrane Evidenced by 13Câˆ’31P Rotational Echo Double Resonance. Biochemistry, 2005, 44, 704-710.	1.2	47
28	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
29	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
30	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
31	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
32	Synthesis of 28-19F-amphotericin B methyl ester. Tetrahedron Letters, 2006, 47, 6187-6191.	0.7	39
33	Convergent Synthesis and Biological Activity of the WXYZAâ€²Bâ€²Câ€² Ring System of Maitotoxin. Organic Letters, 2008, 10, 3599-3602.	2.4	39
34	Effects of lipid constituents on membrane-permeabilizing activity of amphidinols. Bioorganic and Medicinal Chemistry, 2008, 16, 3084-3090.	1.4	38
35	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
36	Amphotericin B Dimers with Bisamide Linkage Bearing Powerful Membrane-Permeabilizing Activity. Organic Letters, 2002, 4, 2087-2089.	2.4	36

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37	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
38	An Amphotericin B-Ergosterol Covalent Conjugate with Powerful Membrane Permeabilizing Activity. Chemistry and Biology, 2004, 11, 673-679.	6.2	35
39	Structure of Membrane-Bound Amphidinol 3 in Isotropic Small Bicelles. Organic Letters, 2008, 10, 4191-4194.	2.4	34
40	Head-to-Tail Interaction between Amphotericin B and Ergosterol Occurs in Hydrated Phospholipid Membrane. Biochemistry, 2012, 51, 83-89.	1.2	34
41	Direct and Stereospecific Interaction of Amphidinol 3 with Sterol in Lipid Bilayers. Biochemistry, 2014, 53, 3287-3293.	1.2	34
42	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
43	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
44	Bioactive fluorinated derivative of amphotericin B. Bioorganic and Medicinal Chemistry Letters, 2005, 15, 3565-3567.	1.0	30
45	Die Struktur von Maitotoxin â€“ I: Konfiguration der C1â€C14â€Seitenkette. Angewandte Chemie, 1996, 108, 1782-1785.	1.6	29
46	3D structures of membrane-associated small molecules as determined in isotropic bicelles. Natural Product Reports, 2010, 27, 1480.	5.2	29
47	NMR-based conformational analysis of sphingomyelin in bicelles. Bioorganic and Medicinal Chemistry, 2012, 20, 270-278.	1.4	29
48	Synthesis and Structure Revision of the C43â€“C67 Part of Amphidinol 3. Organic Letters, 2013, 15, 2846-2849.	2.4	29
49	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
50	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
51	Ladder-shaped polyether compound, desulfated yessotoxin, interacts with membrane-integral Î±-helix peptides. Bioorganic and Medicinal Chemistry, 2005, 13, 5099-5103.	1.4	28
52	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
53	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
54	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

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55	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
56	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
57	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
58	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
59	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
60	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
61	Lipid Interactions and Organization in Complex Bilayer Membranes. Biophysical Journal, 2016, 110, 1563-1573.	0.2	23
62	Synthesis and Stereochemical Revision of the C31â€"C67 Fragment of Amphidinolâ€...3. Angewandte Chemie - International Edition, 2018, 57, 6060-6064.	7.2	23
63	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
64	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
65	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
66	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
67	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
68	The Amphotericin Bâ€"Ergosterol Complex Spans a Lipid Bilayer as a Single-Length Assembly. Biochemistry, 2019, 58, 5188-5196.	1.2	21
69	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
70	Sphingomyelin Stereoisomers Reveal That Homophilic Interactions Cause Nanodomain Formation. Biophysical Journal, 2018, 115, 1530-1540.	0.2	20
71	Amphotericin B assembles into seven-molecule ion channels: An NMR and molecular dynamics study. Science Advances, 2022, 8, .	4.7	20
72	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

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73	Assignment of the absolute configuration of blasticidin A and revision of that of aflastatin A. Tetrahedron Letters, 2007, 48, 2527-2531.	0.7	19
74	Roles of integral protein in membrane permeabilization by amphidinols. Biochimica Et Biophysica Acta - Biomembranes, 2008, 1778, 1453-1459.	1.4	19
75	Confirmation of the Absolute Configuration at C45 of Amphidinol 3. Journal of Natural Products, 2012, 75, 2003-2006.	1.5	18
76	Bioactive Structure of Membrane Lipids and Natural Products Elucidated by a Chemistryâ€Based Approach. Chemical Record, 2015, 15, 675-690.	2.9	18
77	Amphotericin B Covalent Dimers Bearing a Tartarate Linkage. Chemistry and Biodiversity, 2004, 1, 346-352.	1.0	17
78	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
79	A Novel Sperm-Activating and Attracting Factor from the Ascidian <i>Ascidia sydneiensis</i>. Organic Letters, 2013, 15, 294-297.	2.4	17
80	Coexistence of two liquid crystalline phases in dihydrosphingomyelin and dioleoylphosphatidylcholine binary mixtures. Biochimica Et Biophysica Acta - Biomembranes, 2014, 1838, 1372-1381.	1.4	17
81	Novel Raman-tagged sphingomyelin that closely mimics original raft-forming behavior. Bioorganic and Medicinal Chemistry, 2015, 23, 2989-2994.	1.4	17
82	Channel Formation and Membrane Deformation via Sterol-Aided Polymorphism of Amphidinol 3. Scientific Reports, 2017, 7, 10782.	1.6	17
83	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
84	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
85	Ion channel complex of antibiotics as viewed by NMR. Pure and Applied Chemistry, 2009, 81, 1123-1129.	0.9	16
86	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
87	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
88	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
89	A concise method for quantitative analysis of interactions between lipids and membrane proteins. Analytica Chimica Acta, 2019, 1059, 103-112.	2.6	15
90	Effect of Sterol Side Chain on Ion Channel Formation by Amphotericin B in Lipid Bilayers. Biochemistry, 2014, 53, 3088-3094.	1.2	14

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91	Cholesterol-Induced Conformational Change in the Sphingomyelin Headgroup. Biophysical Journal, 2019, 117, 307-318.	0.2	14
92	Channels Formed by Amphotericin B Covalent Dimers Exhibit Rectification. Journal of Membrane Biology, 2011, 240, 159-164.	1.0	13
93	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
94	Fluorinated cholesterol retains domain-forming activity in sphingomyelin bilayers. Chemistry and Physics of Lipids, 2011, 164, 401-408.	1.5	12
95	Emphatic visualization of sphingomyelin-rich domains by inter-lipid FRET imaging using fluorescent sphingomyelins. Scientific Reports, 2017, 7, 16801.	1.6	12
96	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
97	Detection of Rap1A as a yessotoxin binding protein from blood cell membranes. Bioorganic and Medicinal Chemistry Letters, 2010, 20, 6443-6446.	1.0	11
98	Characterization of the ordered phase formed by sphingomyelin analogues and cholesterol binary mixtures. Biophysics (Nagoya-shi, Japan), 2013, 9, 37-49.	0.4	11
99	The impact of metal complex lipids on viscosity and curvature of hybrid liposomes. Chemical Communications, 2017, 53, 13249-13252.	2.2	11
100	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
101	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
102	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
103	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
104	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
105	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
106	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
107	Conformational Change of Spermidine upon Interaction with Adenosine Triphosphate in Aqueous Solution. Chemistry - A European Journal, 2009, 15, 1618-1626.	1.7	9
108	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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109	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
110	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
111	Assembly formation of minor dihydrosphingomyelin in sphingomyelin-rich ordered membrane domains. Scientific Reports, 2020, 10, 11794.	1.6	9
112	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
113	Design and Synthesis of Sphingomyelinâ€"Cholesterol Conjugates and Their Formation of Ordered Membranes. Chemistry - A European Journal, 2011, 17, 8568-8575.	1.7	8
114	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
115	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
116	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
117	Preparation and Membrane Distribution of Fluorescent Derivatives of Ceramide. Langmuir, 2019, 35, 2392-2398.	1.6	8
118	Pseudoâ€Membrane Jackets: Twoâ€Dimensional Coordination Polymers Achieving Visible Phase Separation in Cell Membrane. Angewandte Chemie, 2020, 132, 18087-18093.	1.6	7
119	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
120	Preparation and Membrane Properties of Oxidized Ceramide Derivatives. Langmuir, 2018, 34, 465-471.	1.6	6
121	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
122	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
123	Recent Solid-State NMR Studies of Hydrated Lipid Membranes. Annual Reports on NMR Spectroscopy, 2018, , 41-72.	0.7	5
124	Low-flux scanning electron diffraction reveals substructures inside the ordered membrane domain. Scientific Reports, 2020, 10, 22188.	1.6	5
125	Amphidinol 3 preferentially binds to cholesterol in disordered domains and disrupts membrane phase separation. Biochemistry and Biophysics Reports, 2021, 26, 100941.	0.7	5
126	Recent advances in microscale separation techniques for lipidome analysis. Analyst, The, 2021, 146, 7418-7430.	1.7	5

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127	Synthesis and conformation of deuterated spermidine for investigating weak interaction with polyanionic biomolecules. Tetrahedron, 2004, 60, 5163-5170.	1.0	4
128	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
129	Synthesis and Stereochemical Revision of the C31â€"C67 Fragment of Amphidinolâ€...3. Angewandte Chemie, 2018, 130, 6168-6172.	1.6	4
130	Accurate Measurement of Vicinal Carbonâ€"Hydrogen Coupling Constants via Ammonium Nitrogen Based on HMBC Experiments. Chemistry Letters, 2008, 37, 1172-1173.	0.7	3
131	Structural Reevaluations of Amphidinol 3, a Potent Antifungal Compound from Dinoflagellate. Heterocycles, 2010, 82, 1359.	0.4	3
132	Lysine proximity significantly affects glycation of lysine-containing collagen model peptides. Bioorganic and Medicinal Chemistry, 2011, 19, 2125-2129.	1.4	3
133	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
134	Biophysics at Kyushu University. Biophysical Reviews, 2020, 12, 245-247.	1.5	3
135	Metal Complex Lipids for Fluidâ€"Fluid Phase Separation in Coassembled Phospholipid Membranes. Angewandte Chemie - International Edition, 2021, 60, 13603-13608.	7.2	3
136	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
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	NMR Studies on Natural Productâ€"Stereochemical Determination and Conformational Analysis in Solution and in Membrane. , 2018, , 383-414.		1
139	Preparation of Nitrogen Analogues of Ceramide and Studies of Their Aggregation in Sphingomyelin Bilayers. Langmuir, 2021, 37, 12438-12446.	1.6	1
140	Structural Analogs of Palmitoyl Ceramide and their Functions in Membranes. Biophysical Journal, 2018, 114, 448a.	0.2	0
141	Sphingomyelin Nanodomains Mainly Constitute Liquid-Ordered Phase of Ternary Model Membrane. Biophysical Journal, 2020, 118, 78a.	0.2	0
142	Metal Complex Lipids for Fluidâ€"Fluid Phase Separation in Coassembled Phospholipid Membranes. Angewandte Chemie, 2021, 133, 13715-13720.	1.6	0
143	An Approach Toward Identification of Target Proteins of Maitotoxin Based on Organic Synthesis. , 2012, , 23-35.		0
144	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

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145	Excellent Fluorescent Sphingomyelin Analog Reveals the Existence of Lipid Rafts. Seibutsu Butsuri, 2018, 58, 321-323.	0.0	0