

Nobuaki Matsumori

List of Publications by Year in descending order

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146
papers

5,472
citations

101535

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95259

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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.	7.1	953
2	Stereochemical Determination of Acyclic Structures Based on Carbon-13 Proton Spin-Coupling Constants. A Method of Configuration Analysis for Natural Products. Journal of Organic Chemistry, 1999, 64, 866-876.	3.2	697
3	Absolute Configuration of Amphidinol 3, the First Complete Structure Determination from Amphidinol Homologues: A Application of a New Configuration Analysis Based on Carbon-13 Hydrogen Spin-Coupling Constants. Journal of the American Chemical Society, 1999, 121, 870-871.	13.7	185
4	Isolation and chemical structure of amphidinol 2, a potent hemolytic compound from marine dinoflagellate Amphidinium klebsii. Tetrahedron Letters, 1995, 36, 6279-6282.	1.4	110
5	Raft-based sphingomyelin interactions revealed by new fluorescent sphingomyelin analogs. Journal of Cell Biology, 2017, 216, 1183-1204.	5.2	108
6	The Complete Structure of Maitotoxin, Part I: Configuration of the C135-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 C135-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.	2.7	94
9	Mycosamine Orientation of Amphotericin B Controlling Interaction with Ergosterol: A Sterol-Dependent Activity of Conformation-Restricted Derivatives with an Amino-Carbonyl Bridge. Journal of the American Chemical Society, 2005, 127, 10667-10675.	13.7	81
10	Structures of new amphidinols with truncated polyhydroxyl chain and their membrane-permeabilizing activities. Bioorganic and Medicinal Chemistry, 2006, 14, 6548-6554.	3.0	78
11	Isolation and structure elucidation of a new amphidinol with a truncated polyhydroxyl chain from Amphidinium klebsii. Tetrahedron, 2005, 61, 8606-8610.	1.9	77
12	Amphotericin B Covalent Dimers Forming Sterol-Dependent Ion-Permeable Membrane Channels. Journal of the American Chemical Society, 2002, 124, 4180-4181.	13.7	70
13	Direct Interaction between Amphotericin B and Ergosterol in Lipid Bilayers As Revealed by ² H NMR Spectroscopy. Journal of the American Chemical Society, 2009, 131, 11855-11860.	13.7	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.	1.9	64
15	Complex Formation of Amphotericin B in Sterol-Containing Membranes As Evidenced by Surface Plasmon Resonance. Biochemistry, 2008, 47, 7807-7815.	2.5	63
16	Hairpin conformation of amphidinols possibly accounting for potent membrane permeabilizing activities. Tetrahedron, 2005, 61, 2795-2802.	1.9	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.	4.6	61
18	Detailed Comparison of Deuterium Quadrupole Profiles between Sphingomyelin and Phosphatidylcholine Bilayers. Biophysical Journal, 2014, 106, 631-638.	0.5	59

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19	Comprehensive Molecular Motion Capture for Sphingomyelin by Site-Specific Deuterium Labeling. <i>Biochemistry</i> , 2012, 51, 8363-8370.	2.5	58
20	Deuterium NMR of Raft Model Membranes Reveals Domain-Specific Order Profiles and Compositional Distribution. <i>Biophysical Journal</i> , 2015, 108, 2502-2506.	0.5	56
21	Membrane-permeabilizing activities of amphidinol 3, polyene-polyhydroxy antifungal from a marine dinoflagellate. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2004, 1667, 91-100.	2.6	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. <i>Journal of the American Chemical Society</i> , 2014, 136, 5209-5212.	13.7	54
23	Absolute Configuration of Aflastatin A, a Specific Inhibitor of Aflatoxin Production by <i>Aspergillus parasiticus</i> . <i>Journal of Organic Chemistry</i> , 2000, 65, 438-444.	3.2	52
24	Stereochemical assignment of the C35-C39 Acyclic linkage in maitotoxin: completion of stereochemical determination of C15-C134. <i>Tetrahedron Letters</i> , 1995, 36, 9011-9014.	1.4	50
25	Long-range carbon-proton coupling constants for stereochemical assignment of acyclic structures in natural products: Configuration of the C5-C9 portion of maitotoxin. <i>Tetrahedron Letters</i> , 1996, 37, 1269-1272.	1.4	50
26	Involvement of AfsA in A-factor Biosynthesis as a Key Enzyme. <i>Journal of Antibiotics</i> , 1997, 50, 847-852.	2.0	50
27	Dominant Formation of a Single-Length Channel by Amphotericin B in Dimyristoylphosphatidylcholine Membrane Evidenced by ¹³ C- ³¹ P Rotational Echo Double Resonance. <i>Biochemistry</i> , 2005, 44, 704-710.	2.5	47
28	Membrane protein structure determination by SAD, SIR, or SIRAS phasing in serial femtosecond crystallography using an iododetergent. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 13039-13044.	7.1	43
29	Conformation and Location of Membrane-Bound Salinomycin ⁺ Sodium Complex Deduced from NMR in Isotropic Bicelles. <i>Journal of the American Chemical Society</i> , 2007, 129, 14989-14995.	13.7	42
30	Self-Assembled Amphotericin B Is Probably Surrounded by Ergosterol: Bimolecular Interactions as Evidenced by Solid-State NMR and CD Spectra. <i>Chemistry - A European Journal</i> , 2008, 14, 1178-1185.	3.3	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 ² H Nuclear Magnetic Resonance. <i>Biochemistry</i> , 2013, 52, 2410-2418.	2.5	40
32	Synthesis of 28-19F-amphotericin B methyl ester. <i>Tetrahedron Letters</i> , 2006, 47, 6187-6191.	1.4	39
33	Convergent Synthesis and Biological Activity of the WXYZA ² B ² C ² Ring System of Maitotoxin. <i>Organic Letters</i> , 2008, 10, 3599-3602.	4.6	39
34	Effects of lipid constituents on membrane-permeabilizing activity of amphidinols. <i>Bioorganic and Medicinal Chemistry</i> , 2008, 16, 3084-3090.	3.0	38
35	Dynamic membrane interactions of antibacterial and antifungal biomolecules, and amyloid peptides, revealed by solid-state NMR spectroscopy. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2018, 1862, 307-323.	2.4	37
36	Amphotericin B Dimers with Bisamide Linkage Bearing Powerful Membrane-Permeabilizing Activity. <i>Organic Letters</i> , 2002, 4, 2087-2089.	4.6	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. <i>Biochemistry</i> , 2008, 47, 13463-13469.	2.5	36
38	An Amphotericin B-Ergosterol Covalent Conjugate with Powerful Membrane Permeabilizing Activity. <i>Chemistry and Biology</i> , 2004, 11, 673-679.	6.0	35
39	Structure of Membrane-Bound Amphidinol 3 in Isotropic Small Bicelles. <i>Organic Letters</i> , 2008, 10, 4191-4194.	4.6	34
40	Head-to-Tail Interaction between Amphotericin B and Ergosterol Occurs in Hydrated Phospholipid Membrane. <i>Biochemistry</i> , 2012, 51, 83-89.	2.5	34
41	Direct and Stereospecific Interaction of Amphidinol 3 with Sterol in Lipid Bilayers. <i>Biochemistry</i> , 2014, 53, 3287-3293.	2.5	34
42	Design and Synthesis of Ladder-Shaped Tetracyclic, Heptacyclic, and Decacyclic Ethers and Evaluation of the Interaction with Transmembrane Proteins. <i>Journal of the American Chemical Society</i> , 2008, 130, 10217-10226.	13.7	32
43	Structures of the Largest Amphidinol Homologues from the Dinoflagellate <i>Amphidinium carterae</i> and Structure-Activity Relationships. <i>Journal of Natural Products</i> , 2017, 80, 2883-2888.	3.0	32
44	Bioactive fluorinated derivative of amphotericin B. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2005, 15, 3565-3567.	2.2	30
45	Die Struktur von Maitotoxin α : Konfiguration der C1-C14-Seitenkette. <i>Angewandte Chemie</i> , 1996, 108, 1782-1785.	2.0	29
46	3D structures of membrane-associated small molecules as determined in isotropic bicelles. <i>Natural Product Reports</i> , 2010, 27, 1480.	10.3	29
47	NMR-based conformational analysis of sphingomyelin in bicelles. <i>Bioorganic and Medicinal Chemistry</i> , 2012, 20, 270-278.	3.0	29
48	Synthesis and Structure Revision of the C43-C67 Part of Amphidinol 3. <i>Organic Letters</i> , 2013, 15, 2846-2849.	4.6	29
49	Evidence of lipid rafts based on the partition and dynamic behavior of sphingomyelins. <i>Chemistry and Physics of Lipids</i> , 2018, 215, 84-95.	3.2	29
50	Amphotericin B-phospholipid covalent conjugates: dependence of membrane-permeabilizing activity on acyl-chain length. <i>Organic and Biomolecular Chemistry</i> , 2003, 1, 3882-3884.	2.8	28
51	Ladder-shaped polyether compound, desulfated yessotoxin, interacts with membrane-integral α -helix peptides. <i>Bioorganic and Medicinal Chemistry</i> , 2005, 13, 5099-5103.	3.0	28
52	Large Molecular Assembly of Amphotericin B Formed in Ergosterol-Containing Membrane Evidenced by Solid-State NMR of Intramolecular Bridged Derivative. <i>Journal of the American Chemical Society</i> , 2006, 128, 11977-11984.	13.7	28
53	Sterol effect on interaction between amphidinol 3 and liposomal membrane as evidenced by surface plasmon resonance. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2010, 20, 2215-2218.	2.2	28
54	Total Synthesis of Amphidinol 3: A General Strategy for Synthesizing Amphidinol Analogues and Structure-Activity Relationship Study. <i>Journal of the American Chemical Society</i> , 2020, 142, 3472-3478.	13.7	28

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55	Orientation and Order of the Amide Group of Sphingomyelin in Bilayers Determined by Solid-State NMR. <i>Biophysical Journal</i> , 2015, 108, 2816-2824.	0.5	27
56	Membrane interaction of amphotericin B as single-length assembly examined by solid state NMR for uniformly ¹³ C-enriched agent. <i>Bioorganic and Medicinal Chemistry</i> , 2006, 14, 6608-6614.	3.0	26
57	Structural Features of Dinoflagellate Toxins Underlying Biological Activity as Viewed by NMR. <i>Bulletin of the Chemical Society of Japan</i> , 2008, 81, 307-319.	3.2	26
58	Die Struktur von Maitotoxin ^{II} : Konfiguration der C135-C142-Seitenkette und absolute Konfiguration des gesamten Molek ^{ls} . <i>Angewandte Chemie</i> , 1996, 108, 1786-1789.	2.0	24
59	Orientation of Fluorinated Cholesterol in Lipid Bilayers Analyzed by ¹⁹ F Tensor Calculation and Solid-State NMR. <i>Journal of the American Chemical Society</i> , 2008, 130, 4757-4766.	13.7	24
60	The Perpendicular Orientation of Amphotericin B Methyl Ester in Hydrated Lipid Bilayers Supports the Barrel-Stave Model. <i>Biochemistry</i> , 2019, 58, 2282-2291.	2.5	24
61	Lipid Interactions and Organization in Complex Bilayer Membranes. <i>Biophysical Journal</i> , 2016, 110, 1563-1573.	0.5	23
62	Synthesis and Stereochemical Revision of the C31-C67 Fragment of Amphidinol...3. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 6060-6064.	13.8	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. <i>Biochemistry</i> , 2016, 55, 3392-3402.	2.5	22
64	Design and synthesis of an artificial ladder-shaped polyether that interacts with glycophorin A. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2006, 16, 6355-6359.	2.2	21
65	Formation of Gel-like Nanodomains in Cholesterol-Containing Sphingomyelin or Phosphatidylcholine Binary Membrane As Examined by Fluorescence Lifetimes and ² H NMR Spectra. <i>Langmuir</i> , 2015, 31, 13783-13792.	3.5	21
66	Marine sponge cyclic peptide theonellamide A disrupts lipid bilayer integrity without forming distinct membrane pores. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2016, 1858, 1373-1379.	2.6	21
67	Mechanism of local anesthetic-induced disruption of raft-like ordered membrane domains. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2019, 1863, 1381-1389.	2.4	21
68	The Amphotericin B-Ergosterol Complex Spans a Lipid Bilayer as a Single-Length Assembly. <i>Biochemistry</i> , 2019, 58, 5188-5196.	2.5	21
69	Chemical diversity and mode of action of natural products targeting lipids in the eukaryotic cell membrane. <i>Natural Product Reports</i> , 2020, 37, 677-702.	10.3	21
70	Sphingomyelin Stereoisomers Reveal That Homophilic Interactions Cause Nanodomain Formation. <i>Biophysical Journal</i> , 2018, 115, 1530-1540.	0.5	20
71	Amphotericin B assembles into seven-molecule ion channels: An NMR and molecular dynamics study. <i>Science Advances</i> , 2022, 8, .	10.3	20
72	Detailed Description of the Conformation and Location of Membrane-Bound Erythromycin A Using Isotropic Bicelles. <i>Journal of Medicinal Chemistry</i> , 2006, 49, 3501-3508.	6.4	19

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73	Assignment of the absolute configuration of blastidin A and revision of that of aflastatin A. <i>Tetrahedron Letters</i> , 2007, 48, 2527-2531.	1.4	19
74	Roles of integral protein in membrane permeabilization by amphidinols. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2008, 1778, 1453-1459.	2.6	19
75	Confirmation of the Absolute Configuration at C45 of Amphidinol 3. <i>Journal of Natural Products</i> , 2012, 75, 2003-2006.	3.0	18
76	Bioactive Structure of Membrane Lipids and Natural Products Elucidated by a Chemistry-Based Approach. <i>Chemical Record</i> , 2015, 15, 675-690.	5.8	18
77	Amphotericin B Covalent Dimers Bearing a Tartarate Linkage. <i>Chemistry and Biodiversity</i> , 2004, 1, 346-352.	2.1	17
78	Interaction of ladder-shaped polyethers with transmembrane α -helix of glycophorin A as evidenced by saturation transfer difference NMR and surface plasmon resonance. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2008, 18, 6115-6118.	2.2	17
79	A Novel Sperm-Activating and Attracting Factor from the Ascidian <i>Ascidia sydneiensis</i> . <i>Organic Letters</i> , 2013, 15, 294-297.	4.6	17
80	Coexistence of two liquid crystalline phases in dihydrosphingomyelin and dioleoylphosphatidylcholine binary mixtures. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2014, 1838, 1372-1381.	2.6	17
81	Novel Raman-tagged sphingomyelin that closely mimics original raft-forming behavior. <i>Bioorganic and Medicinal Chemistry</i> , 2015, 23, 2989-2994.	3.0	17
82	Channel Formation and Membrane Deformation via Sterol-Aided Polymorphism of Amphidinol 3. <i>Scientific Reports</i> , 2017, 7, 10782.	3.3	17
83	Absolute Structure and Total Synthesis of Lipogrammistin-A, a Lipophilic Ichthyotoxin of the Soapfish. <i>Journal of Organic Chemistry</i> , 1998, 63, 3925-3932.	3.2	16
84	Conformation and Position of Membrane-Bound Amphotericin B Deduced from NMR in SDS Micelles. <i>Journal of Organic Chemistry</i> , 2007, 72, 700-706.	3.2	16
85	Ion channel complex of antibiotics as viewed by NMR. <i>Pure and Applied Chemistry</i> , 2009, 81, 1123-1129.	1.9	16
86	Amphotericin B covalent dimers with carbonyl-amino linkage: a new probe for investigating ion channel assemblies. <i>Tetrahedron Letters</i> , 2007, 48, 3393-3396.	1.4	15
87	Surface plasmon resonance-based detection of ladder-shaped polyethers by inhibition detection method. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2009, 19, 2824-2828.	2.2	15
88	Axial Hydrogen at C7 Position and Bumpy Tetracyclic Core Markedly Reduce Sterol's Affinity to Amphotericin B in Membrane. <i>Biochemistry</i> , 2015, 54, 303-312.	2.5	15
89	A concise method for quantitative analysis of interactions between lipids and membrane proteins. <i>Analytica Chimica Acta</i> , 2019, 1059, 103-112.	5.4	15
90	Effect of Sterol Side Chain on Ion Channel Formation by Amphotericin B in Lipid Bilayers. <i>Biochemistry</i> , 2014, 53, 3088-3094.	2.5	14

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91	Cholesterol-Induced Conformational Change in the Sphingomyelin Headgroup. <i>Biophysical Journal</i> , 2019, 117, 307-318.	0.5	14
92	Channels Formed by Amphotericin B Covalent Dimers Exhibit Rectification. <i>Journal of Membrane Biology</i> , 2011, 240, 159-164.	2.1	13
93	Synthesis of 6-F-ergosterol and its influence on membrane-permeabilization of amphotericin B and amphotericin B. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 1437.	2.8	12
94	Fluorinated cholesterol retains domain-forming activity in sphingomyelin bilayers. <i>Chemistry and Physics of Lipids</i> , 2011, 164, 401-408.	3.2	12
95	Emphatic visualization of sphingomyelin-rich domains by inter-lipid FRET imaging using fluorescent sphingomyelins. <i>Scientific Reports</i> , 2017, 7, 16801.	3.3	12
96	Molecular substructure of the liquid-ordered phase formed by sphingomyelin and cholesterol: sphingomyelin clusters forming nano-subdomains are a characteristic feature. <i>Biophysical Reviews</i> , 2022, 14, 655-678.	3.2	12
97	Detection of Rap1A as a yessotoxin binding protein from blood cell membranes. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2010, 20, 6443-6446.	2.2	11
98	Characterization of the ordered phase formed by sphingomyelin analogues and cholesterol binary mixtures. <i>Biophysics (Nagoya-shi, Japan)</i> , 2013, 9, 37-49.	0.4	11
99	The impact of metal complex lipids on viscosity and curvature of hybrid liposomes. <i>Chemical Communications</i> , 2017, 53, 13249-13252.	4.1	11
100	Pseudo-Membrane Jackets: Two-Dimensional Coordination Polymers Achieving Visible Phase Separation in Cell Membrane. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 17931-17937.	13.8	11
101	Artificial ladder-shaped polyethers that inhibit maitotoxin-induced Ca ²⁺ influx in rat glioma C6 cells. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2012, 22, 3619-3622.	2.2	10
102	Stereoselective synthesis of the head group of archaeal phospholipid PGP-Me to investigate bacteriorhodopsin-lipid interactions. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 10279-10284.	2.8	10
103	Role of polyol moiety of amphotericin B in ion channel formation and sterol selectivity in bilayer membrane. <i>Bioorganic and Medicinal Chemistry</i> , 2015, 23, 5782-5788.	3.0	10
104	On the Importance of the C(1)-OH and C(3)-OH Functional Groups of the Long-Chain Base of Ceramide for Interlipid Interaction and Lateral Segregation into Ceramide-Rich Domains. <i>Langmuir</i> , 2018, 34, 15864-15870.	3.5	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. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2019, 1861, 228-235.	2.6	10
106	Archaeal Glycolipid S-TGA-1 Is Crucial for Trimer Formation and Photocycle Activity of Bacteriorhodopsin. <i>ACS Chemical Biology</i> , 2020, 15, 197-204.	3.4	10
107	Conformational Change of Spermidine upon Interaction with Adenosine Triphosphate in Aqueous Solution. <i>Chemistry - A European Journal</i> , 2009, 15, 1618-1626.	3.3	9
108	Amphotericin B-induced ion flux is markedly attenuated in phosphatidylglycerol membrane as evidenced by a newly devised fluorometric method. <i>Bioorganic and Medicinal Chemistry</i> , 2009, 17, 6301-6304.	3.0	9

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109	Effects of chemical modification of sphingomyelin ammonium group on formation of liquid-ordered phase. <i>Bioorganic and Medicinal Chemistry</i> , 2012, 20, 4012-4019.	3.0	9
110	The influence of ceramide and its dihydro analog on the physico-chemical properties of sphingomyelin bilayers. <i>Chemistry and Physics of Lipids</i> , 2020, 226, 104835.	3.2	9
111	Assembly formation of minor dihydrosphingomyelin in sphingomyelin-rich ordered membrane domains. <i>Scientific Reports</i> , 2020, 10, 11794.	3.3	9
112	Synthesis of 25-13C-Amphotericin B Methyl Ester: A Molecular Probe for Solid-state NMR Measurements. <i>Chemistry Letters</i> , 2009, 38, 114-115.	1.3	8
113	Design and Synthesis of Sphingomyelin-cholesterol Conjugates and Their Formation of Ordered Membranes. <i>Chemistry - A European Journal</i> , 2011, 17, 8568-8575.	3.3	8
114	Modification of Bafilomycin Structure to Efficiently Synthesize Solid-state NMR Probes that Selectively Bind to Vacuolar-type ATPase. <i>Chemistry - an Asian Journal</i> , 2015, 10, 915-924.	3.3	8
115	Phosphatidylcholine bearing 6,6-dideuterated oleic acid: A useful solid-state 2H NMR probe for investigating membrane properties. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2015, 25, 203-206.	2.2	8
116	Synthesis and Complete Structure Determination of a Sperm-Activating and -Attracting Factor Isolated from the Ascidian <i>Ascidia sydneiensis</i> . <i>Journal of Natural Products</i> , 2018, 81, 985-997.	3.0	8
117	Preparation and Membrane Distribution of Fluorescent Derivatives of Ceramide. <i>Langmuir</i> , 2019, 35, 2392-2398.	3.5	8
118	Pseudo-membrane Jackets: Two-dimensional Coordination Polymers Achieving Visible Phase Separation in Cell Membrane. <i>Angewandte Chemie</i> , 2020, 132, 18087-18093.	2.0	7
119	Sterol-dependent membrane association of the marine sponge-derived bicyclic peptide Theonellamide A as examined by 1H NMR. <i>Bioorganic and Medicinal Chemistry</i> , 2016, 24, 5235-5242.	3.0	6
120	Preparation and Membrane Properties of Oxidized Ceramide Derivatives. <i>Langmuir</i> , 2018, 34, 465-471.	3.5	6
121	Conformations of Spermine in Adenosine Triphosphate Complex: The Structural Basis for Weak Bimolecular Interactions of Major Cellular Electrolytes. <i>Chemistry - A European Journal</i> , 2011, 17, 4788-4795.	3.3	5
122	Design and Synthesis of 24-Fluorinated Bafilomycin Analogue as an NMR Probe with Potent Inhibitory Activity to Vacuolar-type ATPase. <i>Chemistry Letters</i> , 2014, 43, 474-476.	1.3	5
123	Recent Solid-State NMR Studies of Hydrated Lipid Membranes. <i>Annual Reports on NMR Spectroscopy</i> , 2018, , 41-72.	1.5	5
124	Low-flux scanning electron diffraction reveals substructures inside the ordered membrane domain. <i>Scientific Reports</i> , 2020, 10, 22188.	3.3	5
125	Amphidinol 3 preferentially binds to cholesterol in disordered domains and disrupts membrane phase separation. <i>Biochemistry and Biophysics Reports</i> , 2021, 26, 100941.	1.3	5
126	Recent advances in microscale separation techniques for lipidome analysis. <i>Analyst, The</i> , 2021, 146, 7418-7430.	3.5	5

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127	Synthesis and conformation of deuterated spermidine for investigating weak interaction with polyanionic biomolecules. <i>Tetrahedron</i> , 2004, 60, 5163-5170.	1.9	4
128	¹³ C-DOTA as versatile thermometer compound for solid-state NMR of hydrated lipid bilayer membranes. <i>Magnetic Resonance in Chemistry</i> , 2016, 54, 227-233.	1.9	4
129	Synthesis and Stereochemical Revision of the C31-C67 Fragment of Amphidinol...3. <i>Angewandte Chemie</i> , 2018, 130, 6168-6172.	2.0	4
130	Accurate Measurement of Vicinal Carbon-Hydrogen Coupling Constants via Ammonium Nitrogen Based on HMBC Experiments. <i>Chemistry Letters</i> , 2008, 37, 1172-1173.	1.3	3
131	Structural Reevaluations of Amphidinol 3, a Potent Antifungal Compound from Dinoflagellate. <i>Heterocycles</i> , 2010, 82, 1359.	0.7	3
132	Lysine proximity significantly affects glycation of lysine-containing collagen model peptides. <i>Bioorganic and Medicinal Chemistry</i> , 2011, 19, 2125-2129.	3.0	3
133	Possible conformation of amphotericin B dimer in membrane-bound assembly as deduced from solid-state NMR. <i>Bioorganic and Medicinal Chemistry</i> , 2012, 20, 5699-5704.	3.0	3
134	Biophysics at Kyushu University. <i>Biophysical Reviews</i> , 2020, 12, 245-247.	3.2	3
135	Metal Complex Lipids for Fluid-Fluid Phase Separation in Coassembled Phospholipid Membranes. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 13603-13608.	13.8	3
136	Derivatization and Isotope Labeling of Amphotericin B Aiming at Elucidation of the Ion-channel Structure. <i>Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry</i> , 2006, 64, 502-514.	0.1	3
137	Analysis of Relative Configuration of Acyclic Compounds Based on Long-range Carbon-Proton Coupling Constants Determined by Two Dimensional NMR. <i>Nippon Kagaku Kaishi / Chemical Society of Japan - Chemistry and Industrial Chemistry Journal</i> , 1997, 1997, 749-757.	0.1	1
138	NMR Studies on Natural Product - Stereochemical Determination and Conformational Analysis in Solution and in Membrane. , 2018, , 383-414.		1
139	Synthesis and conformation of deuterated spermidine for investigating weak interaction with polyanionic biomolecules. <i>Tetrahedron</i> , 2004, 60, 5163-5170.	1.9	1
140	Preparation of Nitrogen Analogues of Ceramide and Studies of Their Aggregation in Sphingomyelin Bilayers. <i>Langmuir</i> , 2021, 37, 12438-12446.	3.5	1
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