

Michio Murata

List of Publications by Year in descending order

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246
papers

13,239
citations

29994

54
h-index

27345

106
g-index

265
all docs

265
docs citations

265
times ranked

6913
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of cholesterol on the lactosylceramide domains in phospholipid bilayers. <i>Biophysical Journal</i> , 2022, 121, 1143-1155.	0.2	4
2	Depth-Dependent Segmental Melting of the Sphingomyelin Alkyl Chain in Lipid Bilayers. <i>Langmuir</i> , 2022, 38, 5515-5524.	1.6	6
3	Amphotericin B assembles into seven-molecule ion channels: An NMR and molecular dynamics study. <i>Science Advances</i> , 2022, 8, .	4.7	20
4	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.	1.5	12
5	β -Glucosylation of cholesterol reduces sterol-sphingomyelin interactions. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2021, 1863, 183496.	1.4	3
6	Impact of Intrinsic and Extrinsic Factors on Cellular Sphingomyelin Imaging with Specific Reporter Proteins. <i>Contact (Thousand Oaks (Ventura County, Calif))</i> , 2021, 4, 251525642110424.	0.4	4
7	Diosgenin-induced physicochemical effects on phospholipid bilayers in comparison with cholesterol. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2021, 36, 127816.	1.0	7
8	FRET detects lateral interaction between transmembrane domain of EGF receptor and ganglioside GM3 in lipid bilayers. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2021, 1863, 183623.	1.4	10
9	Growth of protein crystals in high-strength hydrogels with the dialysis membrane. <i>Japanese Journal of Applied Physics</i> , 2021, 60, 015506.	0.8	1
10	Sphingomyelins and ent-Sphingomyelins Form Homophilic Nano-Subdomains within Liquid Ordered Domains. <i>Biophysical Journal</i> , 2020, 119, 539-552.	0.2	14
11	Conformation and Orientation of Branched Acyl Chains Responsible for the Physical Stability of Diphtanoylphosphatidylcholine. <i>Biochemistry</i> , 2020, 59, 3929-3938.	1.2	3
12	Pivotal Role of Interdigitation in Interleaflet Interactions: Implications from Molecular Dynamics Simulations. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 5171-5176.	2.1	17
13	Efficient diversification of GM3 gangliosides <i>via</i> late-stage sialylation and dynamic glycan structural studies with ^{19}F solid-state NMR. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 2902-2913.	1.5	8
14	Efficient preparation of human and mouse CD1d proteins using silkworm baculovirus expression system. <i>Protein Expression and Purification</i> , 2020, 172, 105631.	0.6	0
15	Interactions of OSW-1 with Lipid Bilayers in Comparison with Digitonin and Soyasaponin. <i>Langmuir</i> , 2020, 36, 3600-3610.	1.6	10
16	Enantiomers of phospholipids and cholesterol: A key to decipher lipid-lipid interplay in membrane. <i>Chirality</i> , 2020, 32, 282-298.	1.3	10
17	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.	1.4	10
18	Cholesterol-Induced Conformational Change in the Sphingomyelin Headgroup. <i>Biophysical Journal</i> , 2019, 117, 307-318.	0.2	14

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19	Impact of Acyl Chain Mismatch on the Formation and Properties of Sphingomyelin-Cholesterol Domains. <i>Biophysical Journal</i> , 2019, 117, 1577-1588.	0.2	21
20	Synthesis of 7,6-Spirocyclic Imine with Butenolide Ring Provides Evidence for the Relative Configuration of Marine Toxin 13-desMe Spirolide C. <i>Organic Letters</i> , 2019, 21, 8970-8975.	2.4	4
21	Average Conformation of Branched Chain Lipid PGP-Me That Accounts for the Thermal Stability and High-Salinity Resistance of Archaeal Membranes. <i>Biochemistry</i> , 2019, 58, 3869-3879.	1.2	6
22	Side-chain deuterated cholesterol as a molecular probe to determine membrane order and cholesterol partitioning. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 8601-8610.	1.5	12
23	Mosquito larvicidal limonoids from the fruits of <i>Chisocheton erythrocarpus</i> Hiern. <i>Phytochemistry Letters</i> , 2019, 30, 69-73.	0.6	14
24	Small structural alterations greatly influence the membrane affinity of lipophilic ligands: Membrane interactions of bafilomycin A1 and its desmethyl derivative bearing ¹⁹ F-labeling. <i>Bioorganic and Medicinal Chemistry</i> , 2019, 27, 1677-1682.	1.4	4
25	The Perpendicular Orientation of Amphotericin B Methyl Ester in Hydrated Lipid Bilayers Supports the Barrel-Stave Model. <i>Biochemistry</i> , 2019, 58, 2282-2291.	1.2	24
26	Nonlamellar-Phase-Promoting Colipids Enhance Segregation of Palmitoyl Ceramide in Fluid Bilayers. <i>Biophysical Journal</i> , 2019, 116, 1507-1515.	0.2	1
27	The Amphotericin B Ergosterol Complex Spans a Lipid Bilayer as a Single-Length Assembly. <i>Biochemistry</i> , 2019, 58, 5188-5196.	1.2	21
28	Synthesis and Stereochemical Revision of the C31-C67 Fragment of Amphidinol...3. <i>Angewandte Chemie</i> , 2018, 130, 6168-6172.	1.6	4
29	Synthesis and Stereochemical Revision of the C31-C67 Fragment of Amphidinol...3. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 6060-6064.	7.2	23
30	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.	1.5	8
31	Stereoselective Construction of Cisoidal Bisspiroacetal Frameworks through Magnesium Coordination of the Bilateral Acetal Oxygen Atoms. <i>Asian Journal of Organic Chemistry</i> , 2018, 7, 1101-1106.	1.3	4
32	NMR Studies on Natural Product Stereochemical Determination and Conformational Analysis in Solution and in Membrane. , 2018, , 383-414.		1
33	Enantioselective Deuteration of Substituted Unsaturated Esters by Rhodium-Bis(2,5-diphenylphospholano)ethane. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 235-239.	1.2	7
34	A Synthetic Approach to the Channel Complex Structure of Antibiotic in a Membrane: Backbone ¹⁹ F-Labeled Amphotericin B for Solid-State NMR Analysis. <i>Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry</i> , 2018, 76, 1197-1205.	0.0	0
35	Sphingomyelin Stereoisomers Reveal That Homophilic Interactions Cause Nanodomain Formation. <i>Biophysical Journal</i> , 2018, 115, 1530-1540.	0.2	20
36	Nanosized Phase Segregation of Sphingomyelin and Dihydrospingomyelin in Unsaturated Phosphatidylcholine Binary Membranes without Cholesterol. <i>Langmuir</i> , 2018, 34, 13426-13437.	1.6	7

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37	Highly Efficient Syntheses of C ¹⁵ N Axially Chiral (ortho-hydroxyaryl)uracil using a Chiral Auxiliary and a Chiral Base. <i>Asian Journal of Organic Chemistry</i> , 2018, 7, 1648-1653.	1.3	6
38	Evidence of lipid rafts based on the partition and dynamic behavior of sphingomyelins. <i>Chemistry and Physics of Lipids</i> , 2018, 215, 84-95.	1.5	29
39	Recent Solid-State NMR Studies of Hydrated Lipid Membranes. <i>Annual Reports on NMR Spectroscopy</i> , 2018, , 41-72.	0.7	5
40	Efficient Access to the Functionalized Bicyclic Pharmacophore of Spirolide...C by Using a Selective Diels-Alder Reaction. <i>Asian Journal of Organic Chemistry</i> , 2017, 6, 1322-1327.	1.3	11
41	Bilayer Interactions among Unsaturated Phospholipids, Sterols, and Ceramide. <i>Biophysical Journal</i> , 2017, 112, 1673-1681.	0.2	12
42	Raft-based sphingomyelin interactions revealed by new fluorescent sphingomyelin analogs. <i>Journal of Cell Biology</i> , 2017, 216, 1183-1204.	2.3	108
43	The Long-Chain Sphingoid Base of Ceramides Determines Their Propensity for Lateral Segregation. <i>Biophysical Journal</i> , 2017, 112, 976-983.	0.2	24
44	Sterol-recognition ability and membrane-disrupting activity of Ornithogalum saponin OSW-1 and usual 3-O-glycosyl saponins. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2017, 1859, 2516-2525.	1.4	19
45	Syntheses and Biological Activities of the LMNO, ent-LMNO, and NOPQR(S) Ring Systems of Maitotoxin. <i>Journal of Organic Chemistry</i> , 2017, 82, 9595-9618.	1.7	12
46	Stable C ¹⁵ N axial chirality in 1-aryloracil scaffold and differences in in vitro metabolic clearance between atropisomers of PDE4 inhibitor. <i>Bioorganic and Medicinal Chemistry</i> , 2017, 25, 4506-4511.	1.4	18
47	Emphatic visualization of sphingomyelin-rich domains by inter-lipid FRET imaging using fluorescent sphingomyelins. <i>Scientific Reports</i> , 2017, 7, 16801.	1.6	12
48	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.	1.5	32
49	Nanosecond pump-probe device for time-resolved serial femtosecond crystallography developed at SACLA. <i>Journal of Synchrotron Radiation</i> , 2017, 24, 1086-1091.	1.0	28
50	Peptide purification using the chemoselective reaction between N ^ε -(methoxy)glycine and isothiocyanato-functionalized resin. <i>Journal of Peptide Science</i> , 2016, 22, 379-382.	0.8	3
51	¹³ C ¹⁵ N-DOTA as versatile thermometer compound for solid-state NMR of hydrated lipid bilayer membranes. <i>Magnetic Resonance in Chemistry</i> , 2016, 54, 227-233.	1.1	4
52	A three-dimensional movie of structural changes in bacteriorhodopsin. <i>Science</i> , 2016, 354, 1552-1557.	6.0	350
53	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.	1.2	22
54	Lipid Interactions and Organization in Complex Bilayer Membranes. <i>Biophysical Journal</i> , 2016, 110, 1563-1573.	0.2	23

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55	Bafilomycin analogue site-specifically fluorinated at the pharmacophore macrolactone ring has potent vacuolar-type ATPase inhibitory activity. <i>Tetrahedron Letters</i> , 2016, 57, 2426-2429.	0.7	5
56	Evaluation of diacylphospholipids as boundary lipids for bacteriorhodopsin from structural and functional aspects. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2016, 1858, 2106-2115.	1.4	9
57	Detection of Sphingomyelin Clusters by Raman Spectroscopy. <i>Biophysical Journal</i> , 2016, 111, 999-1007.	0.2	35
58	The Affinity of Cholesterol for Different Phospholipids Affects Lateral Segregation in Bilayers. <i>Biophysical Journal</i> , 2016, 111, 546-556.	0.2	60
59	Sterol-dependent membrane association of the marine sponge-derived bicyclic peptide Theonellamide A as examined by ¹ H NMR. <i>Bioorganic and Medicinal Chemistry</i> , 2016, 24, 5235-5242.	1.4	6
60	Synthesis and Th1-immunostimulatory activity of β -galactosylceramide analogues bearing a halogen-containing or selenium-containing acyl chain. <i>Bioorganic and Medicinal Chemistry</i> , 2016, 24, 3687-3695.	1.4	16
61	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.	3.3	43
62	Molecular mechanism underlying promiscuous polyamine recognition by spermidine acetyltransferase. <i>International Journal of Biochemistry and Cell Biology</i> , 2016, 76, 87-97.	1.2	9
63	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.	1.4	21
64	Centerband-only analysis of rotor-unsynchronized spin echo for measurement of lipid ³¹ P chemical shift anisotropy. <i>Magnetic Resonance in Chemistry</i> , 2015, 53, 514-519.	1.1	5
65	Bioactive Structure of Membrane Lipids and Natural Products Elucidated by a Chemistry-Based Approach. <i>Chemical Record</i> , 2015, 15, 675-690.	2.9	18
66	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.	1.7	8
67	Novel Raman-tagged sphingomyelin that closely mimics original raft-forming behavior. <i>Bioorganic and Medicinal Chemistry</i> , 2015, 23, 2989-2994.	1.4	17
68	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.	1.6	21
69	Molecular Dynamics Simulations of Heart-type Fatty Acid Binding Protein in Apo and Holo Forms, and Hydration Structure Analyses in the Binding Cavity. <i>Journal of Physical Chemistry B</i> , 2015, 119, 114-127.	1.2	26
70	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.	1.2	15
71	Trifluoroethanol-containing RP-HPLC mobile phases for the separation of transmembrane peptides human glycoporphin-A, integrin alpha-1, and p24: analysis and prevention of potential side reactions due to formic acid. <i>Journal of Peptide Science</i> , 2015, 21, 61-70.	0.8	10
72	Water-Mediated Recognition of Simple Alkyl Chains by Heart-Type Fatty Acid-Binding Protein. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 1508-1511.	7.2	41

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73	Orientation and Order of the Amide Group of Sphingomyelin in Bilayers Determined by Solid-State NMR. <i>Biophysical Journal</i> , 2015, 108, 2816-2824.	0.2	27
74	Development of protein seed crystals reinforced with high-strength hydrogels. <i>CrystEngComm</i> , 2015, 17, 8064-8071.	1.3	10
75	Sphingomyelin distribution in lipid rafts of artificial monolayer membranes visualized by Raman microscopy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 4558-4563.	3.3	113
76	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.	1.5	10
77	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.	1.4	10
78	Deuterium NMR of Raft Model Membranes Reveals Domain-Specific Order Profiles and Compositional Distribution. <i>Biophysical Journal</i> , 2015, 108, 2502-2506.	0.2	56
79	Phosphatidylcholine bearing 6,6-dideuterated oleic acid: A useful solid-state ² H NMR probe for investigating membrane properties. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2015, 25, 203-206.	1.0	8
80	Grease matrix as a versatile carrier of proteins for serial crystallography. <i>Nature Methods</i> , 2015, 12, 61-63.	9.0	193
81	JSPS Asian Core Program: 7 th & 8 th ICCEOCA (Phase II/NICCEOCA ³ & ⁴), 2 nd & 3 rd Junior ICCEOCA, and Partly IUPAC Asian Project. <i>Chemistry - an Asian Journal</i> , 2014, 9, 1689-1696.	1.7	1
82	Crystallization and preliminary crystallographic studies of PotA, a membrane-associated ATPase of the spermidine-preferential uptake system in <i>Thermotoga maritima</i> . <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2014, 70, 738-741.	0.4	3
83	Coexistence of two liquid crystalline phases in dihydrosphingomyelin and dioleoylphosphatidylcholine binary mixtures. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2014, 1838, 1372-1381.	1.4	17
84	Effect of Sterol Side Chain on Ion Channel Formation by Amphotericin B in Lipid Bilayers. <i>Biochemistry</i> , 2014, 53, 3088-3094.	1.2	14
85	Synthesis and Biological Activity of the C ² D ² E ² F ² Ring System of Maitotoxin. <i>Journal of Organic Chemistry</i> , 2014, 79, 4948-4962.	1.7	21
86	Interaction kinetics of liposome-incorporated unsaturated fatty acids with fatty acid-binding protein 3 by surface plasmon resonance. <i>Bioorganic and Medicinal Chemistry</i> , 2014, 22, 1804-1808.	1.4	14
87	Highly Efficient Preparation of Selectively Isotope Cluster-Labeled Long Chain Fatty Acids via Two Consecutive C ³ - ¹³ C ³ Cross-Coupling Reactions. <i>Organic Letters</i> , 2014, 16, 844-847.	2.4	17
88	Synthesis and Biological Evaluation of QRSTUVWXYZ ² Domains of Maitotoxin. <i>Journal of the American Chemical Society</i> , 2014, 136, 16444-16451.	6.6	35
89	Direct and Stereospecific Interaction of Amphidinol 3 with Sterol in Lipid Bilayers. <i>Biochemistry</i> , 2014, 53, 3287-3293.	1.2	34
90	Interaction analysis of a ladder-shaped polycyclic ether and model transmembrane peptides in lipid bilayers by using Förster resonance energy transfer and polarized attenuated total reflection infrared spectroscopy. <i>Bioorganic and Medicinal Chemistry</i> , 2014, 22, 3773-3780.	1.4	2

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91	Detailed Comparison of Deuterium Quadrupole Profiles between Sphingomyelin and Phosphatidylcholine Bilayers. <i>Biophysical Journal</i> , 2014, 106, 631-638.	0.2	59
92	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.	0.7	5
93	A Novel Sperm-Activating and Attracting Factor from the Ascidian <i>Ascidia sydneiensis</i> . <i>Organic Letters</i> , 2013, 15, 294-297.	2.4	17
94	Synthesis and Structure Revision of the C43-C67 Part of Amphidinol 3. <i>Organic Letters</i> , 2013, 15, 2846-2849.	2.4	29
95	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.	1.2	40
96	Expression, purification, crystallization and preliminary crystallographic analysis of spermidine acetyltransferase from <i>Escherichia coli</i> . <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2013, 69, 884-887.	0.7	2
97	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
98	Structure of the human-heart fatty-acid-binding protein 3 in complex with the fluorescent probe 1-anilinonaphthalene-8-sulphonic acid. <i>Journal of Synchrotron Radiation</i> , 2013, 20, 923-928.	1.0	22
99	Confirmation of the Absolute Configuration at C45 of Amphidinol 3. <i>Journal of Natural Products</i> , 2012, 75, 2003-2006.	1.5	18
100	Head-to-Tail Interaction between Amphotericin B and Ergosterol Occurs in Hydrated Phospholipid Membrane. <i>Biochemistry</i> , 2012, 51, 83-89.	1.2	34
101	Effects of chemical modification of sphingomyelin ammonium group on formation of liquid-ordered phase. <i>Bioorganic and Medicinal Chemistry</i> , 2012, 20, 4012-4019.	1.4	9
102	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.	1.4	3
103	Comprehensive Molecular Motion Capture for Sphingomyelin by Site-Specific Deuterium Labeling. <i>Biochemistry</i> , 2012, 51, 8363-8370.	1.2	58
104	NMR-based conformational analysis of sphingomyelin in bicelles. <i>Bioorganic and Medicinal Chemistry</i> , 2012, 20, 270-278.	1.4	29
105	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.	1.0	10
106	An Approach Toward Identification of Target Proteins of Maitotoxin Based on Organic Synthesis. , 2012, , 23-35.		0
107	Prorocentrol, a Polyoxy Linear Carbon Chain Compound Isolated from the Toxic Dinoflagellate <i>Prorocentrum hoffmannianum</i> . <i>Journal of Organic Chemistry</i> , 2011, 76, 3131-3138.	1.7	26
108	Channels Formed by Amphotericin B Covalent Dimers Exhibit Rectification. <i>Journal of Membrane Biology</i> , 2011, 240, 159-164.	1.0	13

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109	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.	1.7	5
110	Design and Synthesis of Sphingomyelin-cholesterol Conjugates and Their Formation of Ordered Membranes. <i>Chemistry - A European Journal</i> , 2011, 17, 8568-8575.	1.7	8
111	Isolation, Amino Acid Sequence and Biological Activities of Novel Long-chain Polyamine-associated Peptide Toxins from the Sponge <i>Axinyssa aculeata</i> . <i>ChemBioChem</i> , 2011, 12, 2191-2200.	1.3	20
112	Fluorinated cholesterol retains domain-forming activity in sphingomyelin bilayers. <i>Chemistry and Physics of Lipids</i> , 2011, 164, 401-408.	1.5	12
113	Lysine proximity significantly affects glycation of lysine-containing collagen model peptides. <i>Bioorganic and Medicinal Chemistry</i> , 2011, 19, 2125-2129.	1.4	3
114	Reductive Etherification under Microfluidic Conditions: Application to Practical Synthesis of the FGHIJ-Ring System of Yessotoxin. <i>Chemistry Letters</i> , 2010, 39, 108-109.	0.7	19
115	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.	1.0	28
116	Second-generation synthesis of endogenous sperm-activating and attracting factor (SAAF) isolated from the ascidian <i>Ciona intestinalis</i> . <i>Tetrahedron Letters</i> , 2010, 51, 2600-2602.	0.7	5
117	Detection of Rap1A as a yessotoxin binding protein from blood cell membranes. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2010, 20, 6443-6446.	1.0	11
118	Structural Reevaluations of Amphidinol 3, a Potent Antifungal Compound from Dinoflagellate. <i>Heterocycles</i> , 2010, 82, 1359.	0.4	3
119	3D structures of membrane-associated small molecules as determined in isotropic bicelles. <i>Natural Product Reports</i> , 2010, 27, 1480.	5.2	29
120	Ion channel complex of antibiotics as viewed by NMR. <i>Pure and Applied Chemistry</i> , 2009, 81, 1123-1129.	0.9	16
121	Conformational Change of Spermidine upon Interaction with Adenosine Triphosphate in Aqueous Solution. <i>Chemistry - A European Journal</i> , 2009, 15, 1618-1626.	1.7	9
122	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.	1.4	9
123	Surface plasmon resonance-based detection of ladder-shaped polyethers by inhibition detection method. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2009, 19, 2824-2828.	1.0	15
124	Direct Interaction between Amphotericin B and Ergosterol in Lipid Bilayers As Revealed by ² H NMR Spectroscopy. <i>Journal of the American Chemical Society</i> , 2009, 131, 11855-11860.	6.6	69
125	Stereoselective Synthesis of the C31-C40/C43-C52 Unit of Amphidinol 3. <i>Journal of Organic Chemistry</i> , 2009, 74, 8810-8813.	1.7	30
126	Design, Synthesis, and Biological Evaluation of Fluorinated Analogues of Salicylhalamide. <i>Journal of Medicinal Chemistry</i> , 2009, 52, 798-806.	2.9	34

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127	Synthesis of 25- ¹³ C-Amphotericin B Methyl Ester: A Molecular Probe for Solid-state NMR Measurements. <i>Chemistry Letters</i> , 2009, 38, 114-115.	0.7	8
128	Maitotoxin-Photoactive Probe Binds to Membrane Proteins in Blood Cells. <i>Heterocycles</i> , 2009, 79, 1007.	0.4	14
129	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.	1.7	40
130	Effects of lipid constituents on membrane-permeabilizing activity of amphidinols. <i>Bioorganic and Medicinal Chemistry</i> , 2008, 16, 3084-3090.	1.4	38
131	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.	1.0	17
132	Valosin-containing protein/p97 interacts with sperm-activating and sperm-attracting factor (SAAF) in the ascidian egg and modulates sperm-attracting activity. <i>Development Growth and Differentiation</i> , 2008, 50, 665-673.	0.6	10
133	Ascidian sperm activating and attracting factor: Importance of sulfate groups for the activities and implication of its putative receptor. <i>FEBS Letters</i> , 2008, 582, 3429-3433.	1.3	14
134	Roles of integral protein in membrane permeabilization by amphidinols. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2008, 1778, 1453-1459.	1.4	19
135	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.	6.6	24
136	Structure of Membrane-Bound Amphidinol 3 in Isotropic Small Bicelles. <i>Organic Letters</i> , 2008, 10, 4191-4194.	2.4	34
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