Michio Murata

List of Publications by Year
in descending order

246	13,239	29994	27345
papers	citations	54 h-index	106 g-index

265	265	265	6913
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Marine toxins. Chemical Reviews, 1993, 93, 1897-1909.	23.0	862
2	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
3	Diarrhetic shellfish toxins. Tetrahedron, 1985, 41, 1019-1025.	1.0	625
4	Structures and configurations of ciguatoxin from the moray eel Gymnothorax javanicus and its likely precursor from the dinoflagellate Gambierdiscus toxicus. Journal of the American Chemical Society, 1990, 112, 4380-4386.	6.6	472
5	Isolation and structure of yessotoxin, a novel polyether compound implicated in diarrhetic shellfish poisoning. Tetrahedron Letters, 1987, 28, 5869-5872.	0.7	374
6	A three-dimensional movie of structural changes in bacteriorhodopsin. Science, 2016, 354, 1552-1557.	6.0	350
7	Structures of ciguatoxin and its congener. Journal of the American Chemical Society, 1989, 111, 8929-8931.	6.6	294
8	The structure elucidation and biological activities of high molecular weight algal toxins: maitotoxin, prymnesins and zooxanthellatoxins (1993 to 1999). Natural Product Reports, 2000, 17, 293-314.	5.2	275
9	The structure of CTX3C, a ciguatoxin congener isolated from cultured Gambierdiscus toxicus. Tetrahedron Letters, 1993, 34, 1975-1978.	0.7	268
10	Isolation and structural elucidation of the causative toxin of the diarrhetic shellfish poisoning.. Nippon Suisan Gakkaishi, 1982, 48, 549-552.	0.0	252
11	Gambierol: a new toxic polyether compound isolated from the marine dinoflagellate Gambierdiscus toxicus. Journal of the American Chemical Society, 1993, 115, 361-362.	6.6	221
12	Structure of maitotoxin. Journal of the American Chemical Society, 1993, 115, 2060-2062.	6.6	206
13	Amphidinol, a polyhydroxy-polyene antifungal agent with an unprecedented structure, from a marine dinoflagellate, Amphidinium klebsii. Journal of the American Chemical Society, 1991, 113, 9859-9861.	6.6	205
14	Grease matrix as a versatile carrier of proteins for serial crystallography. Nature Methods, 2015, 12, 61-63.	9.0	193
15	Structure and Partial Stereochemical Assignments for Maitotoxin, the Most Toxic and Largest Natural Non-Biopolymer. Journal of the American Chemical Society, 1994, 116, 7098-7107.	6.6	191
16	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
17	TOXINS PRODUCED BY BENTHIC DINOFLAGELLATES. Biological Bulletin, 1987, 172, 128-131.	0.7	180
18	Gambieric acids, new potent antifungal substances with unprecedented polyether structures from a marine dinoflagellate Gambierdiscus toxicus. Journal of Organic Chemistry, 1992, 57, 5448-5453.	1.7	173

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19	Dysiherbaine:Â A New Neurotoxic Amino Acid from the Micronesian Marine SpongeDysideaherbacea. Journal of the American Chemical Society, 1997, 119, 4112-4116.	6.6	165
20	Production of tetrodotoxin and its derivatives by Pseudomonas sp. isolated from the skin of a pufferfish. Toxicon, 1987, 25, 225-228.	0.8	163
21	A chemoattractant for ascidian spermatozoa is a sulfated steroid. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 14831-14836.	3.3	163
22	Histopathological studies on experimental marine toxin poisoningâ€”5. The effects in mice of yessotoxin isolated from Patinopecten yessoensis and of a desulfated derivative. Toxicon, 1990, 28, 1095-1104.	0.8	159
23	Prorocentrolide, a toxic nitrogenous macrocycle from a marine dinoflagellate, Prorocentrum lima. Journal of the American Chemical Society, 1988, 110, 7876-7877.	6.6	154
24	New tetrodotoxin analogs from the newt Cynops ensicauda. Journal of the American Chemical Society, 1988, 110, 2344-2345.	6.6	147
25	Some Chemical Properties of Maitotoxin, a Putative Calcium Channel Agonist Isolated from a MarineDinoflagellate1. Journal of Biochemistry, 1988, 104, 184-187.	0.9	144
26	Okadaic acid as the causative toxin of diarrhetic shellfish poisoning in Europe.. Agricultural and Biological Chemistry, 1986, 50, 2853-2857.	0.3	143
27	Diarrhetic Shellfish Toxin, Dinophysistoxin-1, Is a Potent Tumor Promoter on Mouse Skin. Japanese Journal of Cancer Research, 1988, 79, 1089-1093.	1.7	125
28	Diarrhetic Shellfish Poisoning. ACS Symposium Series, 1984, , 207-214.	0.5	121
29	Gambieric acids: unprecedented potent antifungal substances isolated from cultures of a marine dinoflagellate Gambierdiscus toxicus. Journal of the American Chemical Society, 1992, 114, 1102-1103.	6.6	121
30	Sphingomyelin distribution in lipid rafts of artificial monolayer membranes visualized by Raman microscopy. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 4558-4563.	3.3	113
31	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
32	Raft-based sphingomyelin interactions revealed by new fluorescent sphingomyelin analogs. Journal of Cell Biology, 2017, 216, 1183-1204.	2.3	108
33	The Complete Structure of Maitotoxin, Part I: Configuration of the C1ïŁ¿C14 Side Chain. Angewandte Chemie International Edition in English, 1996, 35, 1672-1675.	4.4	102
34	The Complete Structure of Maitotoxin, Part II: Configuration of the C135ïŁ¿C142 Side Chain and Absolute Configuration of the Entire Molecule. Angewandte Chemie International Edition in English, 1996, 35, 1675-1678.	4.4	99
35	Structural Confirmation of Maitotoxin Based on Complete 13C NMR Assignments and the Three-Dimensional PFG NOESY-HMQC Spectrum. Journal of the American Chemical Society, 1995, 117, 7019-7020.	6.6	85
36	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

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37	Structures of new amphidinols with truncated polyhydroxyl chain and their membrane-permeabilizing activities. Bioorganic and Medicinal Chemistry, 2006, 14, 6548-6554.	1.4	78
38	Isolation and structure elucidation of a new amphidinol with a truncated polyhydroxyl chain from Amphidinium klebsii. Tetrahedron, 2005, 61, 8606-8610.	1.0	77
39	Partial structures of maitotoxin, the most potent marine toxin from the dinoflagellate Gambierdiscus toxicus. Journal of the American Chemical Society, 1992, 114, 6594-6596.	6.6	76
40	Occurrence of palytoxin in the trigger fish Melichtys vidua. Toxicon, 1987, 25, 1121-1124.	0.8	74
41	Amphotericin B Covalent Dimers Forming Sterol-Dependent Ion-Permeable Membrane Channels. Journal of the American Chemical Society, 2002, 124, 4180-4181.	6.6	70
42	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
43	Acetate labeling patterns of dinoflagellate polyketides, amphidinols 2, 3 and 4. Tetrahedron, 2001, 57, 5551-5555.	1.0	68
44	Identification of NÏ‰-carboxymethylarginine as a novel acid-labile advanced glycation end product in collagen. Biochemical Journal, 2000, 347, 23-27.	1.7	65
45	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
46	Isolation of 11-tetrodotoxin-6()-OL and other tetrodotoxin derivatives from the puffer. Tetrahedron Letters, 1988, 29, 4127-4128.	0.7	63
47	Complex Formation of Amphotericin B in Sterol-Containing Membranes As Evidenced by Surface Plasmon Resonance. Biochemistry, 2008, 47, 7807-7815.	1.2	63
48	The structure of pectenotoxin-3, a new constituent of diarrhetic shellfish toxins.. Agricultural and Biological Chemistry, 1986, 50, 2693-2695.	0.3	62
49	Hairpin conformation of amphidinols possibly accounting for potent membrane permeabilizing activities. Tetrahedron, 2005, 61, 2795-2802.	1.0	62
50	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
51	The Affinity of Cholesterol for Different Phospholipids Affects Lateral Segregation inÂBilayers. Biophysical Journal, 2016, 111, 546-556.	0.2	60
52	Detailed Comparison of Deuterium Quadrupole Profiles between Sphingomyelin and Phosphatidylcholine Bilayers. Biophysical Journal, 2014, 106, 631-638.	0.2	59
53	13C NMR Assignments of ciguatoxin by inverse-detected 2d spectroscopy and an explanation of nmr signal broadening. Tetrahedron Letters, 1992, 33, 525-526.	0.7	58
54	Comprehensive Molecular Motion Capture for Sphingomyelin by Site-Specific Deuterium Labeling. Biochemistry, 2012, 51, 8363-8370.	1.2	58

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55	Deuterium NMR of Raft Model Membranes Reveals Domain-Specific Order Profiles and Compositional Distribution. Biophysical Journal, 2015, 108, 2502-2506.	0.2	56
56	Synthesis and stereochemical confirmation of the cis-fused L/M and N/O ring systems of maitotoxin. Tetrahedron Letters, 1994, 35, 5023-5026.	0.7	55
57	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
58	Negative-ion fast-atom bombardment tandem mass spectrometry for the structural study of polyether compounds: Structural verification of yessotoxin. Rapid Communications in Mass Spectrometry, 1993, 7, 179-182.	0.7	54
59	Biological activities of semisynthetic analogs of dinophysistoxin-3, the major diarrhetic shellfish toxin.. Agricultural and Biological Chemistry, 1989, 53, 525-529.	0.3	52
60	Enantioselective synthesis of the AB ring fragment of gambiertoxin 4B. Implication for the absolute configuration of gambiertoxin 4B and ciguatoxin. Tetrahedron Letters, 1991, 32, 4505-4508.	0.7	52
61	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
62	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
63	Synthetic study of ciguatoxin. Absolute configuration of the C2 hydroxy group. Tetrahedron, 1997, 53, 3057-3072.	1.0	50
64	Cholesterol markedly reduces ion permeability induced by membrane-bound amphotericin B. Biochimica Et Biophysica Acta - Biomembranes, 2002, 1564, 429-434.	1.4	49
65	Dominant Formation of a Single-Length Channel by Amphotericin B in Dimyristoylphosphatidylcholine Membrane Evidenced by 13Cî”31P Rotational Echo Double Resonance. Biochemistry, 2005, 44, 704-710.	1.2	47
66	Synthetic approach toward complete structure determination of maitotoxin. stereochemical assignment of the C63-C68 acyclic linkage. Tetrahedron Letters, 1995, 36, 9007-9010.	0.7	44
67	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
68	Selective stimulation of Ca2+ flux in cells by maitotoxin. European Journal of Pharmacology, 1992, 227, 43-49.	2.7	42
69	Conformation and Location of Membrane-Bound Salinomycinî”Sodium Complex Deduced from NMR in Isotropic Bicelles. Journal of the American Chemical Society, 2007, 129, 14989-14995.	6.6	42
70	Waterâ€Mediated Recognition of Simple Alkyl Chains by Heartâ€Type Fattyâ€Acidâ€Binding Protein. Angewandte Chemie - International Edition, 2015, 54, 1508-1511.	7.2	41
71	Membrane permeabilizing activity of amphotericin B is affected by chain length of phosphatidylcholine added as minor constituent. Biochimica Et Biophysica Acta - Biomembranes, 2003, 1617, 109-115.	1.4	40
72	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

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73	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
74	Synthesis of 28-19F-amphotericin B methyl ester. Tetrahedron Letters, 2006, 47, 6187-6191.	0.7	39
75	Convergent Synthesis and Biological Activity of the WXYZAâ€²Bâ€²Câ€² Ring System of Maitotoxin. Organic Letters, 2008, 10, 3599-3602.	2.4	39
76	Effects of lipid constituents on membrane-permeabilizing activity of amphidinols. Bioorganic and Medicinal Chemistry, 2008, 16, 3084-3090.	1.4	38
77	Labeling Pattern of Okadaic Acid from18O2and [18O2]Acetate Elucidated by Collision-Induced Dissociation Tandem Mass Spectrometry. Journal of the American Chemical Society, 1998, 120, 147-151.	6.6	37
78	Amphotericin B Dimers with Bisamide Linkage Bearing Powerful Membrane-Permeabilizing Activity. Organic Letters, 2002, 4, 2087-2089.	2.4	36
79	Convergent synthesis of trans-fused 6/n/6/6 (n=7, 8) tetracyclic ether system via Î±-cyano ethers. Tetrahedron Letters, 2003, 44, 7315-7319.	0.7	36
80	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
81	Cloning of modular type I polyketide synthase genes from salinomycin producing strain of streptomyces albus. Bioorganic and Medicinal Chemistry, 2003, 11, 3401-3405.	1.4	35
82	An Amphotericin B-Ergosterol Covalent Conjugate with Powerful Membrane Permeabilizing Activity. Chemistry and Biology, 2004, 11, 673-679.	6.2	35
83	Convergent synthesis of the FGHI ring system of yessotoxin: stereoselective construction of the G ring. Tetrahedron Letters, 2005, 46, 3991-3995.	0.7	35
84	Synthesis and Biological Evaluation of QRSTUVWXYZAâ€² Domains of Maitotoxin. Journal of the American Chemical Society, 2014, 136, 16444-16451.	6.6	35
85	Detection of Sphingomyelin Clusters by Raman Spectroscopy. Biophysical Journal, 2016, 111, 999-1007.	0.2	35
86	Structure of Membrane-Bound Amphidinol 3 in Isotropic Small Bicelles. Organic Letters, 2008, 10, 4191-4194.	2.4	34
87	Design, Synthesis, and Biological Evaluation of Fluorinated Analogues of Salicylihalamide. Journal of Medicinal Chemistry, 2009, 52, 798-806.	2.9	34
88	Head-to-Tail Interaction between Amphotericin B and Ergosterol Occurs in Hydrated Phospholipid Membrane. Biochemistry, 2012, 51, 83-89.	1.2	34
89	Direct and Stereospecific Interaction of Amphidinol 3 with Sterol in Lipid Bilayers. Biochemistry, 2014, 53, 3287-3293.	1.2	34
90	A probable partial structure of ciguatoxin isolated from the moray eel. Tetrahedron Letters, 1989, 30, 3793-3796.	0.7	32

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91	Polyether Toxins Involved in Seafood Poisoning. ACS Symposium Series, 1990, , 120-132.	0.5	32
92	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
93	Structures of the Largest Amphidinol Homologues from the Dinoflagellate Amphidinium carterae and Structureâ€“Activity Relationships. Journal of Natural Products, 2017, 80, 2883-2888.	1.5	32
94	Identification of NÏ‰-carboxymethylarginine as a novel acid-labile advanced glycation end product in collagen. Biochemical Journal, 2000, 347, 23.	1.7	31
95	Inhibition of Maitotoxinâ€Induced Ca²⁺ Influx in Rat Glioma C6 Cells by Brevetoxins and Synthetic Fragments of Maitotoxin. Journal of Neurochemistry, 1998, 70, 409-416.	2.1	31
96	The Structure of Pectenotoxin-3, a New Constituent of Diarrhetic Shellfish Toxins. Agricultural and Biological Chemistry, 1986, 50, 2693-2695.	0.3	30
97	Synthesis of endogenous sperm-activating and attracting factor isolated from ascidian Ciona intestinalis. Tetrahedron Letters, 2003, 44, 6387-6389.	0.7	30
98	Synthesis and identification of an endogenous sperm activating and attracting factor isolated from eggs of the ascidian Ciona intestinalis; an example of nanomolar-level structure elucidation of novel natural compound. Tetrahedron, 2004, 60, 6971-6980.	1.0	30
99	Bioactive fluorinated derivative of amphotericin B. Bioorganic and Medicinal Chemistry Letters, 2005, 15, 3565-3567.	1.0	30
100	Stereoselective Synthesis of the C31â^'C40/C43â^'C52 Unit of Amphidinol 3. Journal of Organic Chemistry, 2009, 74, 8810-8813.	1.7	30
101	Die Struktur von Maitotoxin â€“ I: Konfiguration der C1â€C14â€Seitenkette. Angewandte Chemie, 1996, 108, 1782-1785.	1.6	29
102	3D structures of membrane-associated small molecules as determined in isotropic bicelles. Natural Product Reports, 2010, 27, 1480.	5.2	29
103	NMR-based conformational analysis of sphingomyelin in bicelles. Bioorganic and Medicinal Chemistry, 2012, 20, 270-278.	1.4	29
104	Synthesis and Structure Revision of the C43â€“C67 Part of Amphidinol 3. Organic Letters, 2013, 15, 2846-2849.	2.4	29
105	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
106	18O-Labelling pattern of okadaic acid from H218O in dinoflagellate Prorocentrum lima elucidated by tandem mass spectrometry. FEBS Journal, 2000, 267, 5179-5183.	0.2	28
107	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
108	Ladder-shaped polyether compound, desulfated yessotoxin, interacts with membrane-integral Î±-helix peptides. Bioorganic and Medicinal Chemistry, 2005, 13, 5099-5103.	1.4	28

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109	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
110	Synthesis of the ABC and IJ ring fragments of yessotoxin. Tetrahedron Letters, 2006, 47, 3975-3978.	0.7	28
111	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
112	Nanosecond pumpâ€“probe device for time-resolved serial femtosecond crystallography developed at SACLA. Journal of Synchrotron Radiation, 2017, 24, 1086-1091.	1.0	28
113	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
114	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
115	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
116	Prorocentrol, a Polyoxy Linear Carbon Chain Compound Isolated from the Toxic DinoflagellateProrocentrum hoffmannianum. Journal of Organic Chemistry, 2011, 76, 3131-3138.	1.7	26
117	Molecular Dynamics Simulations of Heart-type Fatty Acid Binding Protein in Apo and Holo Forms, and Hydration Structure Analyses in the Binding Cavity. Journal of Physical Chemistry B, 2015, 119, 114-127.	1.2	26
118	A New Ceramide with a Novel Branched-Chain Fatty Acid Isolated from the Epiphytic DinoflagellateCoolia monotis. Journal of Natural Products, 1998, 61, 685-688.	1.5	25
119	Effect of maitotoxin analogues on calcium influx and phosphoinositide breakdown in cultured cells. Toxicon, 1991, 29, 1085-1096.	0.8	24
120	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
121	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
122	The Long-Chain Sphingoid Base of Ceramides Determines Their Propensity for Lateral Segregation. Biophysical Journal, 2017, 112, 976-983.	0.2	24
123	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
124	Lipid Interactions and Organization in Complex Bilayer Membranes. Biophysical Journal, 2016, 110, 1563-1573.	0.2	23
125	Synthesis and Stereochemical Revision of the C31â€“C67 Fragment of Amphidinolâ€…3. Angewandte Chemie - International Edition, 2018, 57, 6060-6064.	7.2	23
126	Absolute Configuration of a Ceramide with a Novel Branched-chain Fatty Acid Isolated from the Epiphytic Dinoflagellate,Coolia monotis. Bioscience, Biotechnology and Biochemistry, 2000, 64, 1842-1846.	0.6	22

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127	Structure of the human-heart fatty-acid-binding protein 3 in complex with the fluorescent probe 1-anilinonaphthalene-8-sulphonic acid. Journal of Synchrotron Radiation, 2013, 20, 923-928.	1.0	22
128	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
129	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
130	Synthesis and Biological Activity of the Câ€²Dâ€²Eâ€²Fâ€² Ring System of Maitotoxin. Journal of Organic Chemistry, 2014, 79, 4948-4962.	1.7	21
131	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
132	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
133	Impact of Acyl Chain Mismatch on the Formation and Properties of Sphingomyelin-Cholesterol Domains. Biophysical Journal, 2019, 117, 1577-1588.	0.2	21
134	The Amphotericin Bâ€“Ergosterol Complex Spans a Lipid Bilayer as a Single-Length Assembly. Biochemistry, 2019, 58, 5188-5196.	1.2	21
135	Isolation, Amino Acid Sequence and Biological Activities of Novel Longâ€Chain Polyamineâ€Associated Peptide Toxins from the Sponge Axinyssa aculeata. ChemBioChem, 2011, 12, 2191-2200.	1.3	20
136	Sphingomyelin Stereoisomers Reveal That Homophilic Interactions Cause Nanodomain Formation. Biophysical Journal, 2018, 115, 1530-1540.	0.2	20
137	Amphotericin B assembles into seven-molecule ion channels: An NMR and molecular dynamics study. Science Advances, 2022, 8, .	4.7	20
138	Maitotoxin-Induced Calcium Influx in Erythrocyte Ghosts and Rat Glioma C6 Cells, and Blockade by Gangliosides and Other Membrane Lipids. Chemical Research in Toxicology, 1999, 12, 993-1001.	1.7	19
139	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
140	Roles of integral protein in membrane permeabilization by amphidinols. Biochimica Et Biophysica Acta - Biomembranes, 2008, 1778, 1453-1459.	1.4	19
141	Reductive Etherification under Microfluidic Conditions: Application to Practical Synthesis of the FGHIJ-Ring System of Yessotoxin. Chemistry Letters, 2010, 39, 108-109.	0.7	19
142	Sterol-recognition ability and membrane-disrupting activity of Ornithogalum saponin OSW-1 and usual 3-O-glycosyl saponins. Biochimica Et Biophysica Acta - Biomembranes, 2017, 1859, 2516-2525.	1.4	19
143	Convergent Synthesis of the CDEF Ring Fragment of Yessotoxin via a-Cyano Ethers. Heterocycles, 2006, 69, 91.	0.4	19
144	Confirmation of the Absolute Configuration at C45 of Amphidinol 3. Journal of Natural Products, 2012, 75, 2003-2006.	1.5	18

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145	Bioactive Structure of Membrane Lipids and Natural Products Elucidated by a Chemistryâ€Based Approach. Chemical Record, 2015, 15, 675-690.	2.9	18
146	Stable Câ€“N axial chirality in 1-aryluracil scaffold and differences in in vitro metabolic clearance between atropisomers of PDE4 inhibitor. Bioorganic and Medicinal Chemistry, 2017, 25, 4506-4511.	1.4	18
147	Amphotericin B Covalent Dimers Bearing a Tartarate Linkage. Chemistry and Biodiversity, 2004, 1, 346-352.	1.0	17
148	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
149	A Novel Sperm-Activating and Attracting Factor from the Ascidian Ascidia sydneiensis. Organic Letters, 2013, 15, 294-297.	2.4	17
150	Coexistence of two liquid crystalline phases in dihydrosphingomyelin and dioleoylphosphatidylcholine binary mixtures. Biochimica Et Biophysica Acta - Biomembranes, 2014, 1838, 1372-1381.	1.4	17
151	Highly Efficient Preparation of Selectively Isotope Cluster-Labeled Long Chain Fatty Acids via Two Consecutive C_{sp³}â€“C_{sp³} Cross-Coupling Reactions. Organic Letters, 2014, 16, 844-847.	2.4	17
152	Novel Raman-tagged sphingomyelin that closely mimics original raft-forming behavior. Bioorganic and Medicinal Chemistry, 2015, 23, 2989-2994.	1.4	17
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