

Michio Murata

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244
papers

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51
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264
ext. papers

12,230
ext. citations

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5.87
L-index

#	Paper	IF	Citations
244	Marine toxins. <i>Chemical Reviews</i> , 1993 , 93, 1897-1909	68.1	803
243	Stereochemical Determination of Acyclic Structures Based on Carbon-Proton Spin-Coupling Constants. A Method of Configuration Analysis for Natural Products. <i>Journal of Organic Chemistry</i> , 1999 , 64, 866-876	4.2	610
242	Diarrhetic shellfish toxins. <i>Tetrahedron</i> , 1985 , 41, 1019-1025	2.4	552
241	Structures and configurations of ciguatoxin from the moray eel <i>Gymnothorax javanicus</i> and its likely precursor from the dinoflagellate <i>Gambierdiscus toxicus</i> . <i>Journal of the American Chemical Society</i> , 1990 , 112, 4380-4386	16.4	410
240	Isolation and structure of yessotoxin, a novel polyether compound implicated in diarrhetic shellfish poisoning. <i>Tetrahedron Letters</i> , 1987 , 28, 5869-5872	2	328
239	Structures of ciguatoxin and its congener. <i>Journal of the American Chemical Society</i> , 1989 , 111, 8929-8931	16.4	265
238	A three-dimensional movie of structural changes in bacteriorhodopsin. <i>Science</i> , 2016 , 354, 1552-1557	33.3	262
237	The structure elucidation and biological activities of high molecular weight algal toxins: maitotoxin, pymnesins and zooxanthellatoxins. <i>Natural Product Reports</i> , 2000 , 17, 293-314	15.1	255
236	The structure of CTX3C, a ciguatoxin congener isolated from cultured <i>Gambierdiscus toxicus</i> . <i>Tetrahedron Letters</i> , 1993 , 34, 1975-1978	2	229
235	Isolation and structural elucidation of the causative toxin of the diarrhetic shellfish poisoning.. <i>Nippon Suisan Gakkaishi</i> , 1982 , 48, 549-552	0.2	219
234	Gambierol: a new toxic polyether compound isolated from the marine dinoflagellate <i>Gambierdiscus toxicus</i> . <i>Journal of the American Chemical Society</i> , 1993 , 115, 361-362	16.4	192
233	Amphidinol, a polyhydroxy-polyene antifungal agent with an unprecedented structure, from a marine dinoflagellate, <i>Amphidinium klebsii</i> . <i>Journal of the American Chemical Society</i> , 1991 , 113, 9859-9861	16.4	180
232	Structure of maitotoxin. <i>Journal of the American Chemical Society</i> , 1993 , 115, 2060-2062	16.4	171
231	Absolute Configuration of Amphidinol 3, the First Complete Structure Determination from Amphidinol Homologues: Application of a New Configuration Analysis Based on Carbon-Hydrogen Spin-Coupling Constants. <i>Journal of the American Chemical Society</i> , 1999 , 121, 870-871	16.4	169
230	Structure and Partial Stereochemical Assignments for Maitotoxin, the Most Toxic and Largest Natural Non-Biopolymer. <i>Journal of the American Chemical Society</i> , 1994 , 116, 7098-7107	16.4	163
229	Grease matrix as a versatile carrier of proteins for serial crystallography. <i>Nature Methods</i> , 2015 , 12, 61-3	21.6	154
228	Gambieric acids, new potent antifungal substances with unprecedented polyether structures from a marine dinoflagellate <i>Gambierdiscus toxicus</i> . <i>Journal of Organic Chemistry</i> , 1992 , 57, 5448-5453	4.2	151

227	TOXINS PRODUCED BY BENTHIC DINOFLAGELLATES. <i>Biological Bulletin</i> , 1987 , 172, 128-131	1.5	150
226	Dysihepbaine: A New Neurotoxic Amino Acid from the Micronesian Marine Sponge <i>Dysidea herbacea</i> . <i>Journal of the American Chemical Society</i> , 1997 , 119, 4112-4116	16.4	146
225	Histopathological studies on experimental marine toxin poisoning--5. The effects in mice of yessotoxin isolated from <i>Patinopecten yessoensis</i> and of a desulfated derivative. <i>Toxicon</i> , 1990 , 28, 1095-1104	2.8	145
224	A chemoattractant for ascidian spermatozoa is a sulfated steroid. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002 , 99, 14831-6	11.5	143
223	Okadaic acid as the causative toxin of diarrhetic shellfish poisoning in Europe.. <i>Agricultural and Biological Chemistry</i> , 1986 , 50, 2853-2857		131
222	Production of tetrodotoxin and its derivatives by <i>Pseudomonas</i> sp. isolated from the skin of a pufferfish. <i>Toxicon</i> , 1987 , 25, 225-8	2.8	131
221	New tetrodotoxin analogs from the newt <i>Cynops ensicauda</i> . <i>Journal of the American Chemical Society</i> , 1988 , 110, 2344-2345	16.4	131
220	Prorocentrolide, a toxic nitrogenous macrocycle from a marine dinoflagellate, <i>Prorocentrum lima</i> . <i>Journal of the American Chemical Society</i> , 1988 , 110, 7876-7877	16.4	131
219	Some chemical properties of maitotoxin, a putative calcium channel agonist isolated from a marine dinoflagellate. <i>Journal of Biochemistry</i> , 1988 , 104, 184-7	3.1	121
218	Diarrhetic shellfish toxin, dinophysistoxin-1, is a potent tumor promoter on mouse skin. <i>Japanese Journal of Cancer Research</i> , 1988 , 79, 1089-93		109
217	Gambieric acids: unprecedented potent antifungal substances isolated from cultures of a marine dinoflagellate <i>Gambierdiscus toxicus</i> . <i>Journal of the American Chemical Society</i> , 1992 , 114, 1102-1103	16.4	106
216	Isolation and chemical structure of amphidinol 2, a potent hemolytic compound from marine dinoflagellate <i>Amphidinium klebsii</i> . <i>Tetrahedron Letters</i> , 1995 , 36, 6279-6282	2	103
215	The Complete Structure of Maitotoxin, Part I: Configuration of the C1?C14 Side Chain. <i>Angewandte Chemie International Edition in English</i> , 1996 , 35, 1672-1675		93
214	The Complete Structure of Maitotoxin, Part II: Configuration of the C135?C142 Side Chain and Absolute Configuration of the Entire Molecule. <i>Angewandte Chemie International Edition in English</i> , 1996 , 35, 1675-1678		91
213	Diarrhetic Shellfish Poisoning. <i>ACS Symposium Series</i> , 1984 , 207-214	0.4	86
212	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, 4558-63	11.5	85
211	Raft-based sphingomyelin interactions revealed by new fluorescent sphingomyelin analogs. <i>Journal of Cell Biology</i> , 2017 , 216, 1183-1204	7.3	79
210	Structural Confirmation of Maitotoxin Based on Complete ¹³ C NMR Assignments and the Three-Dimensional PFG NOESY-HMQC Spectrum. <i>Journal of the American Chemical Society</i> , 1995 , 117, 7019-7020	16.4	79

209	Isolation and structure elucidation of a new amphidinol with a truncated polyhydroxyl chain from <i>Amphidinium klebsii</i> . <i>Tetrahedron</i> , 2005 , 61, 8606-8610	2.4	71
208	Mycosamine orientation of amphotericin B controlling interaction with ergosterol: sterol-dependent activity of conformation-restricted derivatives with an amino-carbonyl bridge. <i>Journal of the American Chemical Society</i> , 2005 , 127, 10667-75	16.4	69
207	Structures of new amphidinols with truncated polyhydroxyl chain and their membrane-permeabilizing activities. <i>Bioorganic and Medicinal Chemistry</i> , 2006 , 14, 6548-54	3.4	68
206	Occurrence of palytoxin in the trigger fish <i>Melichtys vidua</i> . <i>Toxicon</i> , 1987 , 25, 1121-4	2.8	67
205	Partial structures of maitotoxin, the most potent marine toxin from the dinoflagellate <i>Gambierdiscus toxicus</i> . <i>Journal of the American Chemical Society</i> , 1992 , 114, 6594-6596	16.4	66
204	Acetate labeling patterns of dinoflagellate polyketides, amphidinols 2, 3 and 4. <i>Tetrahedron</i> , 2001 , 57, 5551-5555	2.4	63
203	Identification of N ϵ -carboxymethylarginine as a novel acid-labile advanced glycation end product in collagen. <i>Biochemical Journal</i> , 2000 , 347, 23-27	3.8	62
202	The structure of pectenotoxin-3, a new constituent of diarrhetic shellfish toxins.. <i>Agricultural and Biological Chemistry</i> , 1986 , 50, 2693-2695		58
201	Combinatorial synthesis of the 1,5-polyol system based on cross metathesis: structure revision of amphidinol 3. <i>Organic Letters</i> , 2008 , 10, 5203-6	6.2	56
200	Complex formation of amphotericin B in sterol-containing membranes as evidenced by surface plasmon resonance. <i>Biochemistry</i> , 2008 , 47, 7807-15	3.2	56
199	Hairpin conformation of amphidinols possibly accounting for potent membrane permeabilizing activities. <i>Tetrahedron</i> , 2005 , 61, 2795-2802	2.4	56
198	Isolation of 11-nortetrodotoxin-6(R)-OL and other tetrodotoxin derivatives from the puffer fugu niphobles. <i>Tetrahedron Letters</i> , 1988 , 29, 4127-4128	2	56
197	Direct interaction between amphotericin B and ergosterol in lipid bilayers as revealed by 2H NMR spectroscopy. <i>Journal of the American Chemical Society</i> , 2009 , 131, 11855-60	16.4	54
196	Conformational analysis of natural products using long-range carbon-proton coupling constants: Three-dimensional structure of okadaic acid in solution. <i>Tetrahedron</i> , 1995 , 51, 12229-12238	2.4	54
195	Amphotericin B covalent dimers forming sterol-dependent ion-permeable membrane channels. <i>Journal of the American Chemical Society</i> , 2002 , 124, 4180-1	16.4	52
194	Negative-ion fast-atom bombardment tandem mass spectrometry for the structural study of polyether compounds: Structural verification of yessotoxin. <i>Rapid Communications in Mass Spectrometry</i> , 1993 , 7, 179-182	2.2	51
193	Detailed comparison of deuterium quadrupole profiles between sphingomyelin and phosphatidylcholine bilayers. <i>Biophysical Journal</i> , 2014 , 106, 631-8	2.9	49
192	Biological activities of semisynthetic analogs of dinophysistoxin-3, the major diarrhetic shellfish toxin.. <i>Agricultural and Biological Chemistry</i> , 1989 , 53, 525-529		48

191	Comprehensive molecular motion capture for sphingomyelin by site-specific deuterium labeling. <i>Biochemistry</i> , 2012 , 51, 8363-70	3.2	46
190	Membrane-permeabilizing activities of amphidinol 3, polyene-polyhydroxy antifungal from a marine dinoflagellate. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2004 , 1667, 91-100	3.8	46
189	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	2	46
188	¹³ C NMR Assignments of ciguatoxin by inverse-detected 2d spectroscopy and an explanation of nmr signal broadening. <i>Tetrahedron Letters</i> , 1992 , 33, 525-526	2	46
187	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, 704-10	3.2	45
186	Deuterium NMR of raft model membranes reveals domain-specific order profiles and compositional distribution. <i>Biophysical Journal</i> , 2015 , 108, 2502-2506	2.9	44
185	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	2	44
184	The Affinity of Cholesterol for Different Phospholipids Affects Lateral Segregation in Bilayers. <i>Biophysical Journal</i> , 2016 , 111, 546-556	2.9	44
183	Synthesis and stereochemical confirmation of the cis-fused L/M and N/O ring systems of maitotoxin. <i>Tetrahedron Letters</i> , 1994 , 35, 5023-5026	2	43
182	Cholesterol markedly reduces ion permeability induced by membrane-bound amphotericin B. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2002 , 1564, 429-34	3.8	41
181	Enantioselective synthesis of the AB ring fragment of gambiertoxin 4B. Implication for the absolute configuration of gambiertoxin 4B and ciguatoxin. <i>Tetrahedron Letters</i> , 1991 , 32, 4505-4508	2	41
180	Synthetic study of ciguatoxin. Absolute configuration of the C2 hydroxy group. <i>Tetrahedron</i> , 1997 , 53, 3057-3072	2.4	40
179	Synthetic approach toward complete structure determination of maitotoxin. stereochemical assignment of the C63-C68 acyclic linkage. <i>Tetrahedron Letters</i> , 1995 , 36, 9007-9010	2	39
178	Selective stimulation of Ca ²⁺ flux in cells by maitotoxin. <i>European Journal of Pharmacology</i> , 1992 , 227, 43-9		39
177	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	11.5	38
176	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, 2410-8	3.2	38
175	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, 14989-95	16.4	38
174	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, 1178-85	4.8	36

- 173 Synthesis of 28-19F-amphotericin B methyl ester. *Tetrahedron Letters*, **2006**, 47, 6187-6191 2 34
- 172 An amphotericin B-ergosterol covalent conjugate with powerful membrane permeabilizing activity. *Chemistry and Biology*, **2004**, 11, 673-9 34
- 171 Cloning of modular type I polyketide synthase genes from salinomycin producing strain of *Streptomyces albus*. *Bioorganic and Medicinal Chemistry*, **2003**, 11, 3401-5 3.4 34
- 170 Labeling Pattern of Okadaic Acid from $^{18}\text{O}_2$ and $^{18}\text{O}_2$ Acetate Elucidated by Collision-Induced Dissociation Tandem Mass Spectrometry. *Journal of the American Chemical Society*, **1998**, 120, 147-151 16.4 34
- 169 Convergent synthesis and biological activity of the WXYZA@Qing system of maitotoxin. *Organic Letters*, **2008**, 10, 3599-602 6.2 33
- 168 Ergosterol increases the intermolecular distance of amphotericin B in the membrane-bound assembly as evidenced by solid-state NMR. *Biochemistry*, **2008**, 47, 13463-9 3.2 33
- 167 Effects of lipid constituents on membrane-permeabilizing activity of amphidinols. *Bioorganic and Medicinal Chemistry*, **2008**, 16, 3084-90 3.4 33
- 166 Direct and stereospecific interaction of amphidinol 3 with sterol in lipid bilayers. *Biochemistry*, **2014**, 53, 3287-93 3.2 31
- 165 Water-mediated recognition of simple alkyl chains by heart-type fatty-acid-binding protein. *Angewandte Chemie - International Edition*, **2015**, 54, 1508-11 16.4 31
- 164 Convergent synthesis of trans-fused 6/n/6/6 (n=7, 8) tetracyclic ether system via β -cyano ethers. *Tetrahedron Letters*, **2003**, 44, 7315-7319 2 31
- 163 Membrane permeabilizing activity of amphotericin B is affected by chain length of phosphatidylcholine added as minor constituent. *Biochimica Et Biophysica Acta - Biomembranes*, **2003**, 1617, 109-15 3.8 31
- 162 Head-to-tail interaction between amphotericin B and ergosterol occurs in hydrated phospholipid membrane. *Biochemistry*, **2012**, 51, 83-9 3.2 30
- 161 Structure of membrane-bound amphidinol 3 in isotropic small bicelles. *Organic Letters*, **2008**, 10, 4191-4 6.2 30
- 160 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, 10217-26 16.4 30
- 159 Convergent synthesis of the FGHI ring system of yessotoxin: stereoselective construction of the G ring. *Tetrahedron Letters*, **2005**, 46, 3991-3995 2 30
- 158 Amphotericin B dimers with bisamide linkage bearing powerful membrane-permeabilizing activity. *Organic Letters*, **2002**, 4, 2087-9 6.2 30
- 157 A probable partial structure of ciguatoxin isolated from the moray eel. *Tetrahedron Letters*, **1989**, 30, 3793-3796 2 29
- 156 Inhibition of maitotoxin-induced Ca^{2+} influx in rat glioma C6 cells by brevetoxins and synthetic fragments of maitotoxin. *Journal of Neurochemistry*, **1998**, 70, 409-16 6 28

155	Identification of N ^ε -carboxymethylarginine as a novel acid-labile advanced glycation end product in collagen. <i>Biochemical Journal</i> , 2000 , 347, 23	3.8	28
154	Stereoselective synthesis of the C31-C40/C43-C52 unit of amphidinol 3. <i>Journal of Organic Chemistry</i> , 2009 , 74, 8810-3	4.2	27
153	Design, synthesis, and biological evaluation of fluorinated analogues of salicylhalamide. <i>Journal of Medicinal Chemistry</i> , 2009 , 52, 798-806	8.3	27
152	NMR-based conformational analysis of sphingomyelin in bicelles. <i>Bioorganic and Medicinal Chemistry</i> , 2012 , 20, 270-8	3.4	26
151	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, 11977-84	16.4	26
150	Synthesis of the ABC and IJ ring fragments of yessotoxin. <i>Tetrahedron Letters</i> , 2006 , 47, 3975-3978	2	26
149	Ladder-shaped polyether compound, desulfated yessotoxin, interacts with membrane-integral alpha-helix peptides. <i>Bioorganic and Medicinal Chemistry</i> , 2005 , 13, 5099-103	3.4	26
148	¹⁸ O-Labeling pattern of okadaic acid from H218O in dinoflagellate <i>Prorocentrum lima</i> elucidated by tandem mass spectrometry. <i>FEBS Journal</i> , 2000 , 267, 5179-83		26
147	Die Struktur von Maitotoxin II: Konfiguration der C1-C14-Seitenkette. <i>Angewandte Chemie</i> , 1996 , 108, 1782-1785	3.6	26
146	Detection of Sphingomyelin Clusters by Raman Spectroscopy. <i>Biophysical Journal</i> , 2016 , 111, 999-1007	2.9	26
145	Synthesis and structure revision of the C43-C67 part of amphidinol 3. <i>Organic Letters</i> , 2013 , 15, 2846-9	6.2	25
144	3D structures of membrane-associated small molecules as determined in isotropic bicelles. <i>Natural Product Reports</i> , 2010 , 27, 1480-92	15.1	25
143	Synthesis and identification of an endogenous sperm activating and attracting factor isolated from eggs of the ascidian <i>Ciona intestinalis</i> ; an example of nanomolar-level structure elucidation of novel natural compound. <i>Tetrahedron</i> , 2004 , 60, 6971-6980	2.4	25
142	Synthesis of endogenous sperm-activating and attracting factor isolated from ascidian <i>Ciona intestinalis</i> . <i>Tetrahedron Letters</i> , 2003 , 44, 6387-6389	2	25
141	Synthesis and biological evaluation of QRSTUVWXYZAQ domains of maitotoxin. <i>Journal of the American Chemical Society</i> , 2014 , 136, 16444-51	16.4	24
140	Prorocentrol, a polyoxy linear carbon chain compound isolated from the toxic dinoflagellate <i>Prorocentrum hoffmannianum</i> . <i>Journal of Organic Chemistry</i> , 2011 , 76, 3131-8	4.2	24
139	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	5.1	24
138	Amphotericin B-phospholipid covalent conjugates: dependence of membrane-permeabilizing activity on acyl-chain length. <i>Organic and Biomolecular Chemistry</i> , 2003 , 1, 3882-4	3.9	24

137	Polyether Toxins Involved in Seafood Poisoning. <i>ACS Symposium Series</i> , 1990 , 120-132	0.4	24
136	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	4.9	23
135	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, 2215-8	2.9	23
134	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, 6608-14	3.4	23
133	Effect of maitotoxin analogues on calcium influx and phosphoinositide breakdown in cultured cells. <i>Toxicon</i> , 1991 , 29, 1085-96	2.8	23
132	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, 4757-66	16.4	22
131	Bioactive fluorinated derivative of amphotericin B. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2005 , 15, 3565-7	2.9	22
130	A new ceramide with a novel branched-chain fatty acid isolated from the epiphytic dinoflagellate <i>coolia monotis</i> . <i>Journal of Natural Products</i> , 1998 , 61, 685-8	4.9	22
129	Die Struktur von Maitotoxin III: Konfiguration der C135-C142-Seitenkette und absolute Konfiguration des gesamten Moleküls. <i>Angewandte Chemie</i> , 1996 , 108, 1786-1789	3.6	22
128	Orientation and Order of the Amide Group of Sphingomyelin in Bilayers Determined by Solid-State NMR. <i>Biophysical Journal</i> , 2015 , 108, 2816-24	2.9	21
127	Design and synthesis of an artificial ladder-shaped polyether that interacts with glycophorin A. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2006 , 16, 6355-9	2.9	21
126	Absolute configuration of a ceramide with a novel branched-chain fatty acid isolated from the epiphytic dinoflagellate, <i>Coolia monotis</i> . <i>Bioscience, Biotechnology and Biochemistry</i> , 2000 , 64, 1842-6	2.1	21
125	Marine sponge cyclic peptide theonellamide A disrupts lipid bilayer integrity without forming distinct membrane pores. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2016 , 1858, 1373-9	3.8	19
124	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, 13783-92	4	19
123	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, 114-27	3.4	19
122	Detailed description of the conformation and location of membrane-bound erythromycin a using isotropic bicelles. <i>Journal of Medicinal Chemistry</i> , 2006 , 49, 3501-8	8.3	19
121	Lipid Interactions and Organization in Complex Bilayer Membranes. <i>Biophysical Journal</i> , 2016 , 110, 1563-1573	15.73	19
120	The Long-Chain Sphingoid Base of Ceramides Determines Their Propensity for Lateral Segregation. <i>Biophysical Journal</i> , 2017 , 112, 976-983	2.9	18

119	Synthesis and Stereochemical Revision of the C31-C67 Fragment of Amphidinol 3. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 6060-6064	16.4	18
118	Nanosecond pump-probe device for time-resolved serial femtosecond crystallography developed at SACLA. <i>Journal of Synchrotron Radiation</i> , 2017 , 24, 1086-1091	2.4	18
117	Evidence of lipid rafts based on the partition and dynamic behavior of sphingomyelins. <i>Chemistry and Physics of Lipids</i> , 2018 , 215, 84-95	3.7	17
116	Synthesis and biological activity of the CDEFG ring system of maitotoxin. <i>Journal of Organic Chemistry</i> , 2014 , 79, 4948-62	4.2	17
115	Confirmation of the absolute configuration at C45 of amphidinol 3. <i>Journal of Natural Products</i> , 2012 , 75, 2003-6	4.9	17
114	Roles of integral protein in membrane permeabilization by amphidinols. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2008 , 1778, 1453-9	3.8	17
113	Maitotoxin-induced calcium influx in erythrocyte ghosts and rat glioma C6 cells, and blockade by gangliosides and other membrane lipids. <i>Chemical Research in Toxicology</i> , 1999 , 12, 993-1001	4	17
112	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, 923-8	2.4	16
111	Reductive Etherification under Microfluidic Conditions: Application to Practical Synthesis of the FGHIJ-Ring System of Yessotoxin. <i>Chemistry Letters</i> , 2010 , 39, 108-109	1.7	16
110	Conformation and position of membrane-bound amphotericin B deduced from NMR in SDS micelles. <i>Journal of Organic Chemistry</i> , 2007 , 72, 700-6	4.2	16
109	Interaction of ladder-shaped polyethers with transmembrane alpha-helix of glycoporphin A as evidenced by saturation transfer difference NMR and surface plasmon resonance. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2008 , 18, 6115-8	2.9	16
108	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, 3392-402	3.2	16
107	Sphingomyelin Stereoisomers Reveal That Homophilic Interactions Cause Nanodomain Formation. <i>Biophysical Journal</i> , 2018 , 115, 1530-1540	2.9	16
106	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	3.8	15
105	A novel sperm-activating and attracting factor from the ascidian <i>Ascidia sydneiensis</i> . <i>Organic Letters</i> , 2013 , 15, 294-7	6.2	15
104	Amphotericin B covalent dimers with carbonyl-amino linkage: a new probe for investigating ion channel assemblies. <i>Tetrahedron Letters</i> , 2007 , 48, 3393-3396	2	15
103	Amphotericin B covalent dimers bearing a tartarate linkage. <i>Chemistry and Biodiversity</i> , 2004 , 1, 346-52	2.5	15
102	Convergent Synthesis of the CDEF Ring Fragment of Yessotoxin via α -Cyano Ethers. <i>Heterocycles</i> , 2006 , 69, 91	0.8	15

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