

Makoto Sasaki

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8600631/publications.pdf>

Version: 2024-02-01

183
papers

6,492
citations

53794

45
h-index

110387

64
g-index

227
all docs

227
docs citations

227
times ranked

2606
citing authors

#	ARTICLE	IF	CITATIONS
1	Total Synthesis of (±)-Gambierol. <i>Journal of the American Chemical Society</i> , 2002, 124, 14983-14992.	13.7	169
2	Total Synthesis, Structure Revision, and Absolute Configuration of (±)-Brevenal. <i>Journal of the American Chemical Society</i> , 2006, 128, 16989-16999.	13.7	125
3	A General Method for Convergent Synthesis of Polycyclic Ethers Based on Suzuki Cross-Coupling: A Concise Synthesis of the ABCD Ring System of Ciguatoxin. <i>Organic Letters</i> , 1999, 1, 1075-1077.	4.6	105
4	The Complete Structure of Maitotoxin, Part I: Configuration of the C11-C14 Side Chain. <i>Angewandte Chemie International Edition in English</i> , 1996, 35, 1672-1675.	4.4	102
5	The Complete Structure of Maitotoxin, Part II: Configuration of the C13-C12 Side Chain and Absolute Configuration of the Entire Molecule. <i>Angewandte Chemie International Edition in English</i> , 1996, 35, 1675-1678.	4.4	99
6	New strategy for convergent synthesis of trans-fused polyether frameworks based on palladium-catalyzed Suzuki cross-coupling reaction. <i>Tetrahedron Letters</i> , 1998, 39, 9027-9030.	1.4	98
7	Convergent Total Synthesis of Gymnocin-A and Evaluation of Synthetic Analogues. <i>Journal of the American Chemical Society</i> , 2005, 127, 4326-4335.	13.7	96
8	Total Synthesis of (+)-Neopeltolide. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 4737-4739.	13.8	95
9	Isolation, Structure Determination, and Synthesis of Neodysiherbaine A, a New Excitatory Amino Acid from a Marine Sponge. <i>Organic Letters</i> , 2001, 3, 1479-1482.	4.6	93
10	Convergent strategies for the total synthesis of polycyclic ether marine metabolites. <i>Natural Product Reports</i> , 2008, 25, 401.	10.3	92
11	A Concise Total Synthesis of (+)-Neopeltolide. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 3041-3044.	13.8	90
12	A general strategy for the convergent synthesis of fused polycyclic ethers via B-alkyl Suzuki coupling: synthesis of the ABCD ring fragment of ciguatoxins. <i>Tetrahedron</i> , 2002, 58, 1889-1911.	1.9	87
13	Divergent Synthesis of Multifunctional Molecular Probes To Elucidate the Enzyme Specificity of Dipeptidic ¹³ C-Secretase Inhibitors. <i>ACS Chemical Biology</i> , 2007, 2, 408-418.	3.4	87
14	Stereoselective Synthesis of Substituted Tetrahydropyrans via Domino Olefin Cross-Metathesis/Intramolecular Oxa-Conjugate Cyclization. <i>Organic Letters</i> , 2010, 12, 1636-1639.	4.6	87
15	Total Synthesis of Gymnocin-A. <i>Journal of the American Chemical Society</i> , 2003, 125, 14294-14295.	13.7	86
16	Total Synthesis of Polycyclic Ether Natural Products Based on Suzuki-Miyaura Cross-Coupling. <i>Synlett</i> , 2004, 2004, 1851-1874.	1.8	84
17	Synthetic studies on a marine polyether toxin, gambierol: stereoselective synthesis of the EFGH ring system via B-alkyl Suzuki coupling. <i>Tetrahedron</i> , 2001, 57, 3019-3033.	1.9	79
18	Total Synthesis and Biological Assessment of (±)-Exiguolide and Analogues. <i>Chemistry - A European Journal</i> , 2011, 17, 2678-2688.	3.3	76

#	ARTICLE	IF	CITATIONS
19	Total Synthesis of Gambierol. <i>Organic Letters</i> , 2002, 4, 2981-2984.	4.6	75
20	A Unified Total Synthesis of Aspergillides A and B. <i>Organic Letters</i> , 2010, 12, 1848-1851.	4.6	74
21	Inhibition of Voltage-Gated Potassium Currents by Gambierol in Mouse Taste Cells. <i>Toxicological Sciences</i> , 2005, 85, 657-665.	3.1	72
22	Synthesis of the FGH ring fragment of ciguatoxin. <i>Tetrahedron Letters</i> , 1999, 40, 1337-1340.	1.4	68
23	Strategies for the Synthesis of 2-Substituted Indoles and Indolines Starting from Acyclic β -Phosphoryloxy Encarbamates. <i>Organic Letters</i> , 2007, 9, 3347-3350.	4.6	65
24	Total Synthesis and Biological Evaluation of (+)-Neopeltolide and Its Analogues. <i>Chemistry - A European Journal</i> , 2009, 15, 12807-12818.	3.3	64
25	Diverted Total Synthesis and Biological Evaluation of Gambierol Analogues: Elucidation of Crucial Structural Elements for Potent Toxicity. <i>Chemistry - A European Journal</i> , 2004, 10, 4894-4909.	3.3	63
26	Stereoselective Synthesis of 2,6-Cis-Substituted Tetrahydropyrans: Brønsted Acid-Catalyzed Intramolecular Oxa-Conjugate Cyclization of β,β' -Unsaturated Ester Surrogates. <i>Journal of Organic Chemistry</i> , 2012, 77, 2588-2607.	3.2	63
27	Design and Synthesis of Skeletal Analogues of Gambierol: Attenuation of Amyloid- β and Tau Pathology with Voltage-Gated Potassium Channel and N-Methyl-D-aspartate Receptor Implications. <i>Journal of the American Chemical Society</i> , 2012, 134, 7467-7479.	13.7	62
28	Total Synthesis and Complete Stereostructure of Gambieric Acid A. <i>Journal of the American Chemical Society</i> , 2012, 134, 11984-11987.	13.7	62
29	Synthetic studies on a marine polyether toxin, gambierol: stereoselective synthesis of the FGH ring system via B-alkyl Suzuki coupling. <i>Tetrahedron Letters</i> , 2000, 41, 8371-8375.	1.4	61
30	Total Synthesis of the Proposed Structure of Brevenal. <i>Journal of the American Chemical Society</i> , 2006, 128, 9648-9650.	13.7	60
31	Convergent and stereoselective method for synthesis of O-linked oxepane ring system by intramolecular radical cyclization. <i>Tetrahedron Letters</i> , 1998, 39, 2783-2786.	1.4	59
32	Construction of fused oxonene ring and reproduction of conformational behavior shown by ring F of ciguatoxin. <i>Tetrahedron Letters</i> , 1997, 38, 1611-1614.	1.4	56
33	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.	1.4	55
34	Intramolecular Radical Cyclization Ring-Closing Metathesis Approach to Fused Polycyclic Ethers. Convergent Synthesis and Conformational Analysis of the (E)FGH Ring System of Ciguatoxin. <i>Journal of Organic Chemistry</i> , 2002, 67, 3301-3310.	3.2	55
35	Synthetic Studies toward Ciguatoxin. Stereocontrolled Construction of the KLM Ring Fragment. <i>Journal of Organic Chemistry</i> , 1994, 59, 715-717.	3.2	54
36	Synthetic Studies on Ciguatoxin: A Highly Convergent Synthesis of the GHIJKL Ring System Based on B-Alkyl Suzuki Coupling. <i>Angewandte Chemie - International Edition</i> , 2001, 40, 1090-1093.	13.8	54

#	ARTICLE	IF	CITATIONS
37	Full Domain Closure of the Ligand-binding Core of the Ionotropic Glutamate Receptor iGluR5 Induced by the High Affinity Agonist Dysiherbaine and the Functional Antagonist 8,9-Dideoxyneodysiherbaine. <i>Journal of Biological Chemistry</i> , 2009, 284, 14219-14229.	3.4	53
38	An efficient and stereocontrolled synthesis of the nephritogenoside core structure. <i>Tetrahedron Letters</i> , 1991, 32, 6873-6876.	1.4	52
39	Divergent Pharmacological Activity of Novel Marine-Derived Excitatory Amino Acids on Glutamate Receptors. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2005, 314, 1068-1078.	2.5	52
40	A Convergent Synthesis of the Decacyclic Ciguatoxin Model Containing the Fâ~M Ring Framework. <i>Journal of Organic Chemistry</i> , 1999, 64, 9416-9429.	3.2	51
41	Total Synthesis of (â~)-Exiguolide. <i>Organic Letters</i> , 2010, 12, 584-587.	4.6	51
42	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
43	Studies toward the Total Synthesis of Gymnocin A, a Cytotoxic Polyether:â€ A Highly Convergent Entry to the Fâ~N Ring Fragment. <i>Organic Letters</i> , 2002, 4, 1747-1750.	4.6	48
44	Progress toward the Total Synthesis of Ciguatoxins:â€ A Convergent Synthesis of the FGHJKLM Ring Fragment. <i>Organic Letters</i> , 2002, 4, 2771-2774.	4.6	48
45	Total Synthesis of (â~)-Brevenal: A Concise Synthetic Entry to the Pentacyclic Polyether Core. <i>Organic Letters</i> , 2008, 10, 2275-2278.	4.6	48
46	Total synthesis of (â~)-dysiherbaine, a novel neuroexcitotoxic amino acid. <i>Tetrahedron Letters</i> , 2000, 41, 3923-3926.	1.4	47
47	Synthetic Studies toward Gambierol. Convergent Synthesis of the Octacyclic Polyether Core. <i>Organic Letters</i> , 2001, 3, 3549-3552.	4.6	47
48	Pathological effects on mice by gambierol, possibly one of the ciguatera toxins. <i>Toxicon</i> , 2003, 42, 733-740.	1.6	47
49	Highly efficient synthesis of medium-sized lactones via oxidative lactonization: concise total synthesis of isolaurepan. <i>Organic and Biomolecular Chemistry</i> , 2010, 8, 39-42.	2.8	47
50	Total Synthesis and Biological Evaluation of Neodysiherbaine A and Analogues. <i>Journal of Organic Chemistry</i> , 2006, 71, 5208-5220.	3.2	46
51	The Sodium Channel of Human Excitable Cells is a Target for Gambierol. <i>Cellular Physiology and Biochemistry</i> , 2006, 17, 257-268.	1.6	45
52	Synthetic approach toward complete structure determination of maitotoxin. stereochemical assignment of the C63-C68 acyclic linkage. <i>Tetrahedron Letters</i> , 1995, 36, 9007-9010.	1.4	44
53	Convergent synthesis of the ABCDE ring fragment of ciguatoxins. <i>Tetrahedron Letters</i> , 2004, 45, 4795-4799.	1.4	44
54	An Efficient Strategy for the Synthesis of Endocyclic Enol Ethers and Its Application to the Synthesis of Spiroacetals. <i>Organic Letters</i> , 2008, 10, 2549-2552.	4.6	44

#	ARTICLE	IF	CITATIONS
55	Synthesis of 2-Substituted Indoles and Indolines via Suzuki-Miyaura Coupling/ <i>endo</i> -trig Cyclization Strategies. <i>Journal of Organic Chemistry</i> , 2009, 74, 212-221.	3.2	44
56	An enantioselective total synthesis of aspergillides A and B. <i>Tetrahedron</i> , 2010, 66, 7492-7503.	1.9	44
57	Concise Synthesis and Biological Assessment of (+)-Neopeltolide and a 16-Member Stereoisomer Library of 8,9-Dehydroneopeltolide: Identification of Pharmacophoric Elements. <i>Chemistry - A European Journal</i> , 2013, 19, 8100-8110.	3.3	43
58	Stereocontrolled Synthesis of the JKLM Ring Fragment of Ciguatoxin. <i>Journal of Organic Chemistry</i> , 1999, 64, 9399-9415.	3.2	42
59	Convergent synthesis of an HIJK ring model of ciguatoxin via Suzuki cross-coupling reaction. <i>Tetrahedron Letters</i> , 2000, 41, 1425-1428.	1.4	42
60	Studies toward the Total Synthesis of Gambieric Acids, Potent Antifungal Polycyclic Ethers: Convergent Synthesis of the CDEFG-Ring System. <i>Organic Letters</i> , 2005, 7, 2441-2444.	4.6	42
61	Effect of Ciguatoxin 3C on Voltage-Gated Na ⁺ and K ⁺ Currents in Mouse Taste Cells. <i>Chemical Senses</i> , 2006, 31, 673-680.	2.0	42
62	A strategy for the synthesis of 2,3-disubstituted indoles starting from N-(<i>o</i> -halophenyl)allenamides. <i>Organic and Biomolecular Chemistry</i> , 2007, 5, 2214.	2.8	42
63	Synthetic Studies on Ciguatoxin: A Convergent Strategy for Construction of the F-M Ring Framework. <i>Angewandte Chemie - International Edition</i> , 1998, 37, 965-969.	13.8	39
64	Synthesis and biological activity of dysiherbaine model compound. <i>Tetrahedron Letters</i> , 1999, 40, 3195-3198.	1.4	39
65	Regioselective Domino Metathesis of Oxanorbornenes and Its Application to the Synthesis of Biologically Active Glutamate Analogues. <i>European Journal of Organic Chemistry</i> , 2008, 2008, 5215-5220.	2.4	39
66	An efficient method for the synthesis of enol ethers and enecarbamates. Total syntheses of isoindolobenzazepine alkaloids, lennoxamine and chilenine. <i>Organic and Biomolecular Chemistry</i> , 2007, 5, 1849.	2.8	38
67	Studies toward the Total Synthesis of Gambieric Acids...A and C: Convergent Assembly of the Nonacyclic Polyether Skeleton. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 2518-2522.	13.8	38
68	Assignment of the Absolute Configuration of Goniodomin A by NMR Spectroscopy and Synthesis of Model Compounds. <i>Organic Letters</i> , 2008, 10, 1013-1016.	4.6	38
69	A new method for the generation of indole-2,3-quinodimethanes and 2-(<i>N</i> -alkoxycarbonylamino)-1,3-dienes. Intramolecular Heck/Diels-Alder cycloaddition cascade starting from acyclic β -phosphono enecarbamates. <i>Chemical Communications</i> , 2007, , 2876-2878.	4.1	37
70	Tandem catalysis in domino olefin cross-metathesis/intramolecular oxa-conjugate cyclization: concise synthesis of 2,6-cis-substituted tetrahydropyran derivatives. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 8108.	2.8	36
71	A new strategy for the synthesis of substituted dihydropyrones and tetrahydropyrones via palladium-catalyzed coupling of thioesters. <i>Tetrahedron</i> , 2011, 67, 4995-5010.	1.9	35
72	Total Synthesis and Biological Evaluation of (+)-Gambieric Acid A and Its Analogues. <i>Chemistry - A European Journal</i> , 2013, 19, 5276-5288.	3.3	35

#	ARTICLE	IF	CITATIONS
73	Synthesis and biological evaluation of gambierol analogues. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2003, 13, 2519-2522.	2.2	34
74	Parallel synthesis of tandem Ugi/Diels-Alder reaction products on a soluble polymer support directed toward split-pool realization of a small molecule library. <i>Tetrahedron Letters</i> , 2005, 46, 415-418.	1.4	34
75	Regioselective Domino Metathesis of Unsymmetrical α -Oxanorbornenes with Electron-Rich Vinyl Acetate toward Biologically Active Glutamate Analogues. <i>European Journal of Organic Chemistry</i> , 2009, 2009, 5531-5548.	2.4	34
76	Biosynthesis-Inspired Intramolecular Oxa-Conjugate Cyclization of α,β -Unsaturated Thioesters: Stereoselective Synthesis of 2,6-cis-Substituted Tetrahydropyrans. <i>Organic Letters</i> , 2011, 13, 1820-1823.	4.6	34
77	Synthesis and domino metathesis of functionalized 7-oxanorbornene analogs toward cis-fused heterocycles. <i>Tetrahedron</i> , 2008, 64, 2740-2749.	1.9	33
78	Novel Analogs and Stereoisomers of the Marine Toxin Neodysiherbaine with Specificity for Kainate Receptors. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2008, 324, 484-496.	2.5	33
79	Total Synthesis and Structure Revision of Didemnaketal...B. <i>Chemistry - A European Journal</i> , 2014, 20, 1848-1860.	3.3	33
80	Synthesis of the CDE/FG Ring Models of Prymnesins: Reassignment of the Relative Configuration of the E/F Ring Juncture. <i>Organic Letters</i> , 2004, 6, 1501-1504.	4.6	32
81	Development and Application of a Convergent Strategy for the Total Synthesis of Polycyclic Ether Natural Products. <i>Bulletin of the Chemical Society of Japan</i> , 2007, 80, 856-871.	3.2	32
82	A convergent synthesis of the trans-fused hexahydrooxonine ring system and reproduction of conformational behavior shown by ring F of ciguatoxin. <i>Tetrahedron</i> , 1999, 55, 10949-10970.	1.9	31
83	Inhibition of Maitotoxin-induced Ca^{2+} Influx in Rat Glioma C6 Cells by Brevetoxins and Synthetic Fragments of Maitotoxin. <i>Journal of Neurochemistry</i> , 1998, 70, 409-416.	3.9	31
84	Studies toward the total synthesis of azaspiracids: synthesis of the FGHI ring domain. <i>Tetrahedron Letters</i> , 2003, 44, 6199-6201.	1.4	31
85	Rapid and Efficient Synthesis of Dysiherbaine and Analogues to Explore Structure-Activity Relationships. <i>Journal of Organic Chemistry</i> , 2008, 73, 264-273.	3.2	31
86	A New Method for the Generation of Indole-2,3-quinodimethanes from Allenamides. <i>Chemistry Letters</i> , 2008, 37, 904-905.	1.3	31
87	A Convergent Synthesis of the C1-C16 Segment of Goniodomin A via Palladium-Catalyzed Organostannane-Thioester Coupling. <i>Organic Letters</i> , 2011, 13, 1106-1109.	4.6	31
88	Synthetic entry to the ABCD ring fragment of gymnocin-A, a cytotoxic marine polyether. <i>Tetrahedron Letters</i> , 2003, 44, 4351-4354.	1.4	30
89	Determination of Binding Site Residues Responsible for the Subunit Selectivity of Novel Marine-Derived Compounds on Kainate Receptors. <i>Molecular Pharmacology</i> , 2006, 69, 1849-1860.	2.3	30
90	Die Struktur von Maitotoxin I: Konfiguration der C1-C14-Seitenkette. <i>Angewandte Chemie</i> , 1996, 108, 1782-1785.	2.0	29

#	ARTICLE	IF	CITATIONS
91	Total Synthesis of (±)-Enigmazole...A. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 5143-5146.	13.8	29
92	Convergent synthesis of the BCDEFGHIJ-ring polyether core of gambieric acids, potent antifungal polycyclic ethers. <i>Tetrahedron</i> , 2007, 63, 5977-6003.	1.9	28
93	Synthetic Studies on Gambieric Acids, Potent Antifungal Polycyclic Ether Natural Products: Reassignment of the Absolute Configuration of the Nonacyclic Polyether Core by NMR Analysis of Model Compounds. <i>Journal of Organic Chemistry</i> , 2009, 74, 4024-4040.	3.2	28
94	Total Synthesis, Stereochemical Reassignment, and Biological Evaluation of (±)-Lyngbyaloside...B. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 868-873.	13.8	28
95	Stereocontrolled Synthesis of the A/B-Ring Fragment of Gambieric Acid B: Reassignment of the Absolute Configuration of the Polycyclic Ether Region. <i>Organic Letters</i> , 2008, 10, 2211-2214.	4.6	27
96	Antinociceptive effects of MSVIII-19, a functional antagonist of the GluK1 kainate receptor. <i>Pain</i> , 2011, 152, 1052-1060.	4.2	27
97	A Concise Total Synthesis of (±)-Centrolobine. <i>Heterocycles</i> , 2010, 82, 641.	0.7	26
98	Effect of Gambierol and Its Tetracyclic and Heptacyclic Analogues in Cultured Cerebellar Neurons: A Structure-Activity Relationships Study. <i>Chemical Research in Toxicology</i> , 2012, 25, 1929-1937.	3.3	26
99	Simple formylacetal (CH ₂) as a novel linker for saccharide synthesis on soluble-polymer support. <i>Tetrahedron Letters</i> , 2004, 45, 787-790.	1.4	25
100	Structure-activity relationship studies of gymnocin-A. <i>Tetrahedron Letters</i> , 2006, 47, 6803-6807.	1.4	25
101	Dysiherbaine: A New Generation of Excitatory Amino Acids of Marine Origin. <i>Central Nervous System Agents in Medicinal Chemistry</i> , 2006, 6, 83-108.	1.1	25
102	Total synthesis of dysiherbaine. <i>Tetrahedron Letters</i> , 2007, 48, 5697-5700.	1.4	25
103	Total Synthesis of Isoindolobenzazepine Alkaloids, Lennoxamine and Chilenine, Based on Palladium-Catalyzed Reduction of Alkenyl Phosphates. <i>Heterocycles</i> , 2008, 76, 521.	0.7	25
104	Stereoselective synthesis of a KLM ring model of ciguatoxin: Confirmation of the C54 stereochemistry. <i>Tetrahedron Letters</i> , 1993, 34, 8489-8492.	1.4	24
105	Die Struktur von Maitotoxin II: Konfiguration der C135-C142-Seitenkette und absolute Konfiguration des gesamten Moleküls. <i>Angewandte Chemie</i> , 1996, 108, 1786-1789.	2.0	24
106	Synthesis and stereochemical confirmation of the HI/JK ring system of prymnesins, potent hemolytic and ichthyotoxic glycoside toxins isolated from the red tide alga. <i>Tetrahedron Letters</i> , 2001, 42, 5725-5728.	1.4	24
107	Simultaneous accumulation of both skeletal and appendage-based diversities on tandem Ugi/Diels-Alder products. <i>Tetrahedron Letters</i> , 2005, 46, 5863-5866.	1.4	24
108	Total Synthesis of (±)-Polycavernoside A: Suzuki-Miyaura Coupling Approach. <i>Organic Letters</i> , 2012, 14, 3186-3189.	4.6	24

#	ARTICLE	IF	CITATIONS
109	Total synthesis and biological evaluation of (âˆ™)-exiguolide analogues: importance of the macrocyclic backbone. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 3442.	2.8	24
110	Design, total synthesis, and biological evaluation of neodysiherbaine A derivative as potential probes. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2006, 16, 5784-5787.	2.2	23
111	Convergent Assembly of the Spiroacetal Subunit of Didemnaketal B. <i>Organic Letters</i> , 2010, 12, 5354-5357.	4.6	23
112	Synthesis and biological evaluation of (+)-neopeltolide analogues: Importance of the oxazole-containing side chain. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2014, 24, 2415-2419.	2.2	23
113	Studies toward the total synthesis of gambieric acids, potent antifungal polycyclic ethers: convergent synthesis of a fully elaborated GHJ-ring fragment. <i>Tetrahedron</i> , 2011, 67, 6600-6615.	1.9	22
114	Total Synthesis of 13-Demethyllyngbyalose B. <i>Organic Letters</i> , 2013, 15, 1630-1633.	4.6	22
115	Synthetic Study of Azaspiracid-1:â€‰ Synthesis of the EFGHI-Ring Fragment. <i>Organic Letters</i> , 2006, 8, 3943-3946.	4.6	21
116	Toward the Total Synthesis of Goniodomin A, An Actin-Targeting Marine Polyether Macrolide: Convergent Synthesis of the C15âˆ™C36 Segment. <i>Organic Letters</i> , 2009, 11, 5274-5277.	4.6	21
117	Binding and Selectivity of the Marine Toxin Neodysiherbaine A and Its Synthetic Analogues to GluK1 and GluK2 Kainate Receptors. <i>Journal of Molecular Biology</i> , 2011, 413, 667-683.	4.2	21
118	Exploiting Ruthenium Carbene-Catalyzed Reactions in Total Synthesis of Marine Oxacyclic Natural Products. <i>Bulletin of the Chemical Society of Japan</i> , 2016, 89, 1403-1415.	3.2	21
119	Novel Î³-secretase inhibitors discovered by library screening of in-house synthetic natural product intermediates. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2006, 16, 3813-3816.	2.2	20
120	The marine polyether gambierol enhances muscle contraction and blocks a transient K ⁺ current in skeletal muscle cells. <i>Toxicon</i> , 2010, 56, 785-791.	1.6	19
121	Total Synthesis of (âˆ™)â€‰Brevenal: A Streamlined Strategy for Practical Synthesis of Polycyclic Ethers. <i>Chemistry - A European Journal</i> , 2011, 17, 13754-13761.	3.3	19
122	Synthesis of the NO ring model of gymnocin-B. <i>Tetrahedron Letters</i> , 2005, 46, 4617-4619.	1.4	18
123	Asymmetric Synthesis and in vivo Biological Inactivity of the Rightâ€‰Hand Terpenoid Fragment of Terpendole E. <i>European Journal of Organic Chemistry</i> , 2011, 2011, 538-546.	2.4	18
124	Stereoselective Synthesis of the AB-Ring Fragment of Gambieric Acid A. <i>Heterocycles</i> , 2007, 72, 139.	0.7	18
125	An Efficient Synthesis of 2,6-Disubstituted 2,3-Dihydro-4H-pyran-4-ones via Sonogashira Coupling of p-Toluenethiol Esters. <i>Synlett</i> , 2010, 2010, 1239-1242.	1.8	17
126	Studies toward the Total Synthesis of Gambieric Acids: Stereocontrolled Synthesis of a DEFG-Ring Model Compound. <i>Journal of Organic Chemistry</i> , 2010, 75, 5072-5082.	3.2	17

#	ARTICLE	IF	CITATIONS
127	Studies toward the total synthesis of gambieric acids: convergent synthesis of the GHIJ-ring fragment having a side chain. <i>Tetrahedron Letters</i> , 2011, 52, 548-551.	1.4	17
128	Cytotoxicity of goniodomin A and B in non contractile cells. <i>Toxicology Letters</i> , 2016, 250-251, 10-20.	0.8	17
129	Total Synthesis and Complete Stereostructure of a Marine Macrolide Glycoside, (âˆ“)â€ŒLyngbyaloseâ€Œ...B. <i>Chemistry - A European Journal</i> , 2016, 22, 6815-6829.	3.3	17
130	Progress toward the Total Synthesis of Goniodomin A: Stereocontrolled, Convergent Synthesis of the C12â€ŒC36 Fragment. <i>Journal of Organic Chemistry</i> , 2016, 81, 2213-2227.	3.2	17
131	Synthesis of the JK/LM-ring model of prymnesins, potent hemolytic and ichthyotoxic polycyclic ethers isolated from the red tide alga <i>Prymnesium parvum</i> : confirmation of the relative configuration of the K/L-ring juncture. <i>Tetrahedron Letters</i> , 2006, 47, 5687-5691.	1.4	16
132	Concise and Short Synthesis of Functionalized 5,6-Dihydropyridin-2-ones by Means of Palladium(0)-Catalyzed Cross-Coupling of Ketene Amino Phosphates. <i>Heterocycles</i> , 2006, 70, 101.	0.7	16
133	Proteomic Analysis Reveals Multiple Patterns of Response in Cells Exposed to a Toxin Mixture. <i>Chemical Research in Toxicology</i> , 2009, 22, 1077-1085.	3.3	16
134	Total Synthesis of the Proposed Structure of Didemnaketal B. <i>Organic Letters</i> , 2013, 15, 3970-3973.	4.6	16
135	Synthetic studies on dragmacidin D: synthesis of the left-hand fragment. <i>Tetrahedron Letters</i> , 2008, 49, 7197-7199.	1.4	15
136	Stereocontrolled Synthesis of the DEFG-ring Skeleton of Gambieric Acids. <i>Chemistry Letters</i> , 2009, 38, 866-867.	1.3	15
137	Pharmacological activity of C10-substituted analogs of the high-affinity kainate receptor agonist dysiherbaine. <i>Neuropharmacology</i> , 2010, 58, 640-649.	4.1	15
138	Tetracyclic Truncated Analogue of the Marine Toxin Gambierol Modifies NMDA, Tau, and Amyloid Î² Expression in Mice Brains: Implications in AD Pathology. <i>ACS Chemical Neuroscience</i> , 2017, 8, 1358-1367.	3.5	15
139	Improved synthesis and in vitro/in vivo activities of natural product-inspired, artificial glutamate analogs. <i>Bioorganic and Medicinal Chemistry</i> , 2010, 18, 3795-3804.	3.0	14
140	Synthetic studies on goniodomin A: convergent assembly of the C15â€ŒC36 segment via palladium-catalyzed organostannaneâ€Œthioester coupling. <i>Tetrahedron</i> , 2011, 67, 429-445.	1.9	14
141	Stereoselective Synthesis of Medium-Sized Cyclic Ethers: Application of C-Glycosylation Chemistry to Seven- to Nine-Membered Lactone-Derived Thioacetals and Their Sulfone Counterparts. <i>Journal of Organic Chemistry</i> , 2014, 79, 1656-1682.	3.2	14
142	Alkoxyacetyl (AAc) group as a useful linker for organic synthesis on poly(ethylene glycol) support. <i>Tetrahedron Letters</i> , 2004, 45, 2371-2375.	1.4	13
143	Synthesis of dysiherbaine analogue. <i>Tetrahedron Letters</i> , 2005, 46, 5559-5562.	1.4	13
144	Synthetic Studies on Dragmacidin D: Synthesis and Assembly of Three Fragments Towards an Advanced Intermediate. <i>European Journal of Organic Chemistry</i> , 2011, 2011, 4654-4666.	2.4	13

#	ARTICLE	IF	CITATIONS
145	Total Synthesis and Complete Structural Assignment of Gambieric Acid <scp>A</scp> , a Large Polycyclic Ether Marine Natural Product. <i>Chemical Record</i> , 2014, 14, 678-703.	5.8	13
146	Skeletal diversity by allylation/RCM on Ugi four-component coupling reaction products. <i>Tetrahedron Letters</i> , 2006, 47, 4763-4767.	1.4	12
147	A three-component approach to isoquinoline derivatives by cycloaddition/Heck reaction sequence. <i>Tetrahedron Letters</i> , 2007, 48, 4255-4258.	1.4	12
148	Chemospecific Allylation and Domino Metathesis of 7-oxanorbornenes for Skeletal and Appendage Diversity. <i>European Journal of Organic Chemistry</i> , 2009, 2009, 72-84.	2.4	12
149	Determination of the toxicity equivalency factors for ciguatoxins using human sodium channels. <i>Food and Chemical Toxicology</i> , 2022, 160, 112812.	3.6	12
150	Toward the Total Synthesis of Amphidinolide N: Synthesis of the C8-C29 Fragment. <i>Organic Letters</i> , 2016, 18, 2232-2235.	4.6	11
151	Synthetic Studies on Amphirionin-5: Stereochemical Assignment/Reassignment of the C1-C9 Portion through Stereodivergent Synthesis. <i>Organic Letters</i> , 2016, 18, 112-115.	4.6	11
152	Studies toward the Total Synthesis of Caribbean Ciguatoxin C-CTX-1: Synthesis of the LMN-Ring Fragment through Reductive Olefin Cross-Coupling. <i>Organic Letters</i> , 2018, 20, 7163-7166.	4.6	11
153	Programmed Cell Death Induced by (-)-8,9-Dehydroneopeltolide in Human Promyelocytic Leukemia HL-60 Cells under Energy Stress Conditions. <i>Marine Drugs</i> , 2014, 12, 5576-5589.	4.6	10
154	Studies toward the Total Synthesis of Amphidinolide N: Stereocontrolled Synthesis of the C13-C29 Segment. <i>Heterocycles</i> , 2015, 90, 579.	0.7	10
155	Evaluation of gambierol and its analogs for their inhibition of human Kv1.2 and cytotoxicity. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2015, 25, 514-518.	2.2	10
156	Concise synthesis of the C15-C38 fragment of okadaic acid, a specific inhibitor of protein phosphatases 1 and 2A. <i>Tetrahedron</i> , 2015, 71, 6369-6383.	1.9	10
157	Stereodivergent Synthesis and Configurational Assignment of the C1-C15 Segment of Amphirionin-5. <i>Journal of Organic Chemistry</i> , 2016, 81, 9105-9121.	3.2	10
158	Diastereoselective Ring-Closing Metathesis as a Means to Construct Medium-Sized Cyclic Ethers: Application to the Synthesis of a Photoactivatable Gambierol Derivative. <i>Journal of Organic Chemistry</i> , 2016, 81, 8234-8252.	3.2	10
159	Unified Total Synthesis of (-)-Enigmazole A and (-)-15-O-Methylenigmazole A. <i>Chemistry - an Asian Journal</i> , 2020, 15, 3494-3502.	3.3	9
160	Skeletal Diversity by Ugi Four-Component Coupling Reaction and Post-Ugi Reactions. <i>Heterocycles</i> , 2007, 73, 377.	0.7	9
161	Stereoselective Synthesis of the C1-C16 Fragment of Goniodomin A. <i>Bulletin of the Chemical Society of Japan</i> , 2012, 85, 948-956.	3.2	8
162	Synthesis and Biological Evaluation of Aspergillide A/Neopeltolide Chimeras. <i>Chemistry Letters</i> , 2013, 42, 1020-1022.	1.3	8

#	ARTICLE	IF	CITATIONS
163	Concise Synthesis of the C15–C38 Fragment of Okadaic Acid: Application of the Suzuki–Miyaura Reaction to Spiroacetal Synthesis. <i>Organic Letters</i> , 2015, 17, 366-369.	4.6	8
164	Toward a total synthesis of amphidinolide N: convergent synthesis of the C1–C13 segment. <i>Tetrahedron Letters</i> , 2016, 57, 3532-3534.	1.4	8
165	Complete Stereochemical Assignment of Campechic Acids A and B. <i>Journal of Organic Chemistry</i> , 2016, 81, 3638-3647.	3.2	8
166	Total Synthesis of (±)-Enigmazole..A. <i>Angewandte Chemie</i> , 2018, 130, 5237-5240.	2.0	8
167	Synthesis and Structural Implication of the JKLMN-Ring Fragment of Caribbean Ciguatoxin C-CTX-1. <i>Journal of Organic Chemistry</i> , 2021, 86, 4580-4597.	3.2	8
168	Effect of carbon chain length in acyl coenzyme A on the efficiency of enzymatic transformation of okadaic acid to 7-O-acyl okadaic acid. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2016, 26, 2992-2996.	2.2	7
169	Fluorescence-labeled neopeltolide derivatives for subcellular localization imaging. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 6771-6776.	2.8	7
170	Total Synthesis of Gambierol, a Marine Polycyclic Ether. <i>Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry</i> , 2003, 61, 742-751.	0.1	7
171	Complete Structure of Maitotoxin.. <i>Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry</i> , 1997, 55, 535-546.	0.1	6
172	Total Synthesis and Structure-activity Relationship of a Cytotoxic Polycyclic Ether Gymnocin-A. <i>Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry</i> , 2006, 64, 808-818.	0.1	5
173	2-Oxo-1,2-ethylenedioxy group as a linker for solution-, liquid-, and solid-phase syntheses to discover drug-like small molecules. <i>Tetrahedron Letters</i> , 2005, 46, 4667-4670.	1.4	4
174	Concise synthesis of the A/BCD-ring fragment of gambieric acid A. <i>Frontiers in Chemistry</i> , 2014, 2, 116.	3.6	4
175	Total Synthesis of Polycavernosides A and B, Two Lethal Toxins from Red Alga. <i>Journal of Organic Chemistry</i> , 2017, 82, 13204-13219.	3.2	4
176	Gambierol Potently Increases Evoked Quantal Transmitter Release and Reverses Pre- and Post-Synaptic Blockade at Vertebrate Neuromuscular Junctions. <i>Neuroscience</i> , 2020, 439, 106-116.	2.3	4
177	Recent Applications of the Suzuki-Miyaura Cross-coupling to Complex Polycyclic Ether Synthesis. <i>Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry</i> , 2011, 69, 1251-1262.	0.1	3
178	Synthetic Studies on Shellfish Toxin Azaspiracid-1. <i>Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry</i> , 2008, 66, 836-845.	0.1	2
179	A CONCISE SYNTHESIS OF THE AB-RING FRAGMENT OF (±)-GAMBIEROL. <i>Heterocycles</i> , 2012, 86, 127.	0.7	2
180	Convergent Synthesis of the HIJKLMN-Ring Fragment of Caribbean Ciguatoxin C-CTX-1 by a Late-Stage Reductive Olefin Coupling Approach. <i>Bulletin of the Chemical Society of Japan</i> , 2022, 95, 819-824.	3.2	2

#	ARTICLE	IF	CITATIONS
181	Gambierol Blocks a K ⁺ Current Fraction without Affecting Catecholamine Release in Rat Fetal Adrenomedullary Cultured Chromaffin Cells. <i>Toxins</i> , 2022, 14, 254.	3.4	1
182	Total Synthesis and Complete Stereostructure of a Marine Macrolide Glycoside, (âˆ™)-Lyngbyaloside B. <i>Chemistry - A European Journal</i> , 2016, 22, 6701-6701.	3.3	0
183	Pharmacological activity of synthetic analogs of dysiherbaine on glutamate receptors. <i>FASEB Journal</i> , 2006, 20, A687.	0.5	0