

Masaru Hashimoto

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Efficient Protocol for Accurately Calculating ¹³ C Chemical Shifts of Conformationally Flexible Natural Products: Scope, Assessment, and Limitations. <i>Journal of Natural Products</i> , 2019, 82, 2299-2306.	3.0	87
2	RDCâ€Enhanced NMR Spectroscopy in Structure Elucidation of Sucoâ€Neolambertellin. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 2032-2034.	13.8	80
3	Lambertellols A and B, Novel 3,4-Dihydronaphthalen-1(2H)-ones with Spiro-butenolide Produced by Lambertella sp. 1346. <i>Organic Letters</i> , 2004, 6, 157-160.	4.6	57
4	An RNA polymerase inhibitor, cyclothiazomycin B1, and its isomer. <i>Bioorganic and Medicinal Chemistry</i> , 2006, 14, 8259-8270.	3.0	41
5	Neomacrophorin X, a [4.4.3]Propellane-Type Meroterpenoid from <i>Trichoderma</i> sp. 1212-03. <i>Journal of Natural Products</i> , 2017, 80, 1484-1492.	3.0	35
6	Rousoellols A and B, Tetracyclic Fusicoccanes from <i>Rousoella hysterioides</i> . <i>Journal of Natural Products</i> , 2013, 76, 1047-1051.	3.0	28
7	Neomacrophorin I, II, and III, novel drimenyl cyclohexanes with hydroxylated butanoates from <i>Trichoderma</i> sp. 1212-03. <i>Tetrahedron</i> , 2014, 70, 1458-1463.	1.9	28
8	Cyclohelminthol X, a Hexa-Substituted Spirocyclopropane from <i>Helminthosporium velutinum</i> yone96: Structural Elucidation, Electronic Circular Dichroism Analysis, and Biological Properties. <i>Journal of Organic Chemistry</i> , 2017, 82, 5574-5582.	3.2	28
9	Synthesis of Chiral Nonracemic \pm -Difluoromethylthio Compounds with Tetrasubstituted Stereogenic Centers via a Palladium-Catalyzed Decarboxylative Asymmetric Allylic Alkylation. <i>Organic Letters</i> , 2018, 20, 7044-7048.	4.6	27
10	Isolation of Peribysins O, P, and Q from <i>Periconia macrospinosa</i> KT3863 and Configurational Reinvestigation of Peribysin E Diacetate from <i>Periconia byssoides</i> OUPS-N133. <i>Journal of Natural Products</i> , 2019, 82, 911-918.	3.0	22
11	Lambertellol C, a labile and novel biosynthetic congener of lambertellols A and B. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2005, 15, 2587-2590.	2.2	20
12	Biosynthesis of Lambertellols Based on the High Specific Incorporation of the ¹³ C-Labeled Acetates and Their Biological Properties. <i>Journal of the American Chemical Society</i> , 2004, 126, 9214-9220.	13.7	19
13	Spiroleptosphol isolated from <i>Leptosphaeria doliolum</i> . <i>Bioorganic and Medicinal Chemistry Letters</i> , 2008, 18, 4228-4231.	2.2	19
14	Four analogues of spiroleptosphol isolated from <i>Leptosphaeria doliolum</i> . <i>Bioorganic and Medicinal Chemistry</i> , 2009, 17, 492-495.	3.0	18
15	Biosynthetic Machinery of β -Hydroxymellein Derivatives Leading to Cyclohelminthols and Palmaenones. <i>ChemBioChem</i> , 2020, 21, 360-367.	2.6	17
16	Syntheses of Lambertellols and Their Stable Analogues; Investigation of the Real Active Species in the Mycoparasitism by Lambertella Species. <i>Journal of Organic Chemistry</i> , 2008, 73, 5039-5047.	3.2	16
17	7- β - and 10- β -Hydroxylated congeners of CAF-603; elucidation of absolute configuration of CAF-603 family, and their SAR studies in the anti-fungal activity. <i>Tetrahedron</i> , 2013, 69, 9469-9474.	1.9	16
18	Computation-Assisted Structural Elucidation of Epoxyrousoeone and Epoxyrousoedione Isolated from <i>Rousoella japonensis</i> KT1651. <i>Journal of Natural Products</i> , 2015, 78, 1505-1510.	3.0	16

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19	Structural Determination, Total Synthesis, and Biological Activity of lezoside, a Highly Potent Ca ²⁺ -ATPase Inhibitor from the Marine Cyanobacterium <i>Leptochromothrix valpauliae</i> . <i>Journal of the American Chemical Society</i> , 2022, 144, 11019-11032.	13.7	16
20	Biosynthetic study of conidiation-inducing factor conidiogenone: heterologous production and cyclization mechanism of a key bifunctional diterpene synthase. <i>Bioscience, Biotechnology and Biochemistry</i> , 2019, 83, 192-201.	1.3	15
21	Oxidative Ring Contraction by a Multifunctional Dioxygenase Generates the Core Cyclooctadiene in the Biosynthesis of Fungal Dimeric Anhydride Zopfiellin. <i>Organic Letters</i> , 2020, 22, 1997-2001.	4.6	15
22	Cyclohelminthol CPs: Scope and Limitations of Density Functional Theory-Based Structural Elucidation of Natural Products. <i>Journal of Organic Chemistry</i> , 2021, 86, 1505-1515.	3.2	15
23	Biochemistry-Guided Prediction of the Absolute Configuration of Fungal Reduced Polyketides. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 23403-23411.	13.8	13
24	Isolation, ECD assisted structural analyses, biosynthetic discussions, and biological activities of epi-cochliquinones D and its derivatives. <i>Tetrahedron</i> , 2015, 71, 4788-4794.	1.9	12
25	Isolation, absolute structures, and biological properties of cyclohelminthols 14-IV from <i>Helminthosporium velutinum</i> yone96. <i>Tetrahedron</i> , 2016, 72, 1400-1405.	1.9	12
26	Cyclohelminthols Y1-Y4 Metabolites Possessing Two Spirocyclopropanes in Their Structure. <i>Journal of Organic Chemistry</i> , 2018, 83, 5688-5697.	3.2	12
27	Stimulation of the Biosynthesis of the Antibiotics Lambertellols by the Mycoparasitic Fungus <i>Lambertella corni-marisi</i> under the Acidic Conditions Produced by Its Host Fungus <i>in Vitro</i> . <i>Bioscience, Biotechnology and Biochemistry</i> , 2007, 71, 1230-1235.	1.3	11
28	Neomacrophorin and premacrophorin congeners from <i>Trichoderma</i> sp. 1212-03. <i>Tetrahedron</i> , 2019, 75, 2993-3000.	1.9	11
29	Structure of two purple pigments, catechinopyranocyanidins A and B from the seed-coat of the small red bean, <i>Vigna angularis</i> . <i>Scientific Reports</i> , 2019, 9, 1484.	3.3	11
30	Identification of neomacrophorins isolated from <i>Trichoderma</i> sp. 1212-03 as proteasome inhibitors. <i>Bioorganic and Medicinal Chemistry</i> , 2019, 27, 115161.	3.0	10
31	Structure-activity relationships of trichothecenes against COLO201 cells and <i>Cochliobolus miyabeanus</i> : The role of 12-epoxide and macrocyclic moieties. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2019, 29, 982-985.	2.2	10
32	Homojesterones: vinylogous analogues of jesterone from <i>Helminthosporium velutinum</i> TS28. <i>Tetrahedron</i> , 2016, 72, 1031-1035.	1.9	9
33	NOVEL PREPARATION OF (2-AZIDOMETHYL)BENZOIC ACID AND AN APPLICATION AS A PROTECTIVE GROUP. <i>Synthetic Communications</i> , 2002, 32, 3347-3355.	2.1	8
34	Cyclopericodiol and new chlorinated melleins isolated from <i>Periconia macrospinoso</i> KT3863. <i>Tetrahedron</i> , 2019, 75, 130470.	1.9	8
35	DFT Supported Structural Revision of Seiricardines. <i>Bulletin of the Chemical Society of Japan</i> , 2020, 93, 768-775.	3.2	8
36	Relative and absolute structure of phomolide C. <i>Bioscience, Biotechnology and Biochemistry</i> , 2015, 79, 1067-1069.	1.3	7

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37	Homopetasinic acid isolated from <i>Diaporthe</i> sp. strain 1308-05. <i>Tetrahedron Letters</i> , 2016, 57, 1117-1119.	1.4	7
38	Optimization of isotope-labeling conditions for lambertellin based on isotope patterns observed by mass spectrometry. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2005, 15, 2591-2594.	2.2	6
39	Lambertellin system, the mechanism for fungal replacement of <i>Monilinia fructigena</i> with <i>Lambertella corni-maris</i> without competitive inhibition on agar media. <i>Bioorganic and Medicinal Chemistry</i> , 2014, 22, 2489-2495.	3.0	6
40	Stereochemical correction and total structure of roridin J. <i>Tetrahedron</i> , 2017, 73, 5430-5435.	1.9	6
41	DFT calculation-assisted stereostructural assignment of arundifungin. <i>Chirality</i> , 2020, 32, 17-31.	2.6	5
42	DFT supported structural elucidations of seiridiasteriscane A, unique 15-nor-asteriscane and novel pestalotiopsin Congeners from <i>Seiridium</i> sp. KT3957. <i>Tetrahedron</i> , 2020, 76, 131197.	1.9	5
43	One Step and Convenient Preparations of 4-Hydroxyretinal and 4-Oxoretinal. <i>Synthetic Communications</i> , 1999, 29, 3793-3797.	2.1	4
44	12-Deoxyroridin J and 12-Deoxyepisororidin E from <i>Calcarisporium arbuscular</i> . <i>Tetrahedron Letters</i> , 2018, 59, 1992-1995.	1.4	4
45	Cyclohumulanoid Sesquiterpenes from the Culture Broth of the Basidiomycetous Fungus <i>Daedaleopsis tricolor</i> . <i>Molecules</i> , 2021, 26, 4364.	3.8	4
46	Isolation, Identification, and DFT-Based Conformational Analysis of Sesquikaranadienone and Its Congeners from Freshwater Dothideomycetes <i>Neohelicascus Aquaticus</i> KT4120. <i>Bulletin of the Chemical Society of Japan</i> , 2022, 95, 833-845.	3.2	4
47	Decaspirones and palmarumycins from <i>Phaeoseptum</i> sp. KT4106: Chirality reinvestigation of palmarumycins CP4a and CP5. <i>Tetrahedron</i> , 2021, 92, 132251.	1.9	3
48	Application of the DFT Methods in Structural Elucidation of Natural Products. <i>Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry</i> , 2018, 76, 842-850.	0.1	3
49	DFT-supported structure determination of gymnomitr-3(15)-en-4b,9b-diol. <i>Tetrahedron</i> , 2020, 76, 131301.	1.9	2
50	Synthetic Studies on Oligosaccharide Mimics Carrying Sulfur Atoms in the Pyranose Rings. <i>Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry</i> , 2006, 64, 766-777.	0.1	2
51	Semipinacol rearrangement of a bicyclo[7.2.0]undecane framework into a bicyclo[6.3.0]undecane skeleton: a model study on the biosynthesis of seiridiasteriscane A. <i>Bioscience, Biotechnology and Biochemistry</i> , 2021, 85, 1621-1627.	1.3	1
52	Isolation and structural elucidation of novel fusicoccan dehydroxypericonicin A from <i>Roussoella</i> sp. <i>Bioscience, Biotechnology and Biochemistry</i> , 2021, 85, 1798-1801.	1.3	1
53	Insecticidal Properties of <i>Anacardium Occidentale</i> L., 2007, , 312-323.		0
54	Molecular Mechanism of Mycoparasitism on Apple Fruits. <i>Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry</i> , 2015, 73, 230-240.	0.1	0

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55	Bioorganic studies of mycoparasitism on apple fruits. Japanese Journal of Pesticide Science, 2018, 43, 101-108.	0.0	0