

Hidefumi Makabe

List of Publications by Year in descending order

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97
papers

1,736
citations

279798

23
h-index

361022

35
g-index

123
all docs

123
docs citations

123
times ranked

1602
citing authors

#	ARTICLE	IF	CITATIONS
1	Anti-inflammatory sesquiterpenes from <i>Curcuma zedoaria</i> . <i>Natural Product Research</i> , 2006, 20, 680-685.	1.8	152
2	Total Synthesis of (âˆ²)-Cassine. <i>Organic Letters</i> , 2003, 5, 27-29.	4.6	91
3	Total synthesis of solamin and reticulatacin. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1994, , 1975.	0.9	48
4	Catalytic generation and trapping of acylmetals containing Ni and Cu with enolates. <i>Tetrahedron</i> , 1998, 54, 1095-1106.	1.9	48
5	An efficient synthesis of procyanidins. Rare earth metal Lewis acid catalyzed equimolar condensation of catechin and epicatechin. <i>Tetrahedron Letters</i> , 2007, 48, 5891-5894.	1.4	48
6	Total Synthesis of cis-Solamin. <i>Organic Letters</i> , 2002, 4, 1083-1085.	4.6	47
7	Synthesis and Inhibition Mechanism of Î³-lac-Acetogenins, a Novel Type of Inhibitor of Bovine Heart Mitochondrial Complex I. <i>Biochemistry</i> , 2005, 44, 816-825.	2.5	39
8	Dynamic Function of the Spacer Region of Acetogenins in the Inhibition of Bovine Mitochondrial NADH-Ubiquinone Oxidoreductase (Complex I). <i>Biochemistry</i> , 2008, 47, 6260-6266.	2.5	39
9	Anti-inflammatory Cyathane Diterpenoids from <i>Sarcodon scabrosus</i> . <i>Bioscience, Biotechnology and Biochemistry</i> , 2004, 68, 1362-1365.	1.3	37
10	An Efficient Synthesis of Procyanidins Using Equimolar Condensation of Catechin and/or Epicatechin Catalyzed by Ytterbium Triflate. <i>Heterocycles</i> , 2009, 79, 549.	0.7	37
11	Synthesis of two possible diastereomers of reticulatain-1. <i>Tetrahedron Letters</i> , 2004, 45, 973-977.	1.4	36
12	Enzymatic Synthesis of Novel Phenol Acid Rutinosides Using Rutinase and Their Antiviral Activity in Vitro. <i>Journal of Agricultural and Food Chemistry</i> , 2013, 61, 9617-9622.	5.2	35
13	Total synthesis of cis-solamin and its inhibitory action with bovine heart mitochondrial complex I. <i>Tetrahedron</i> , 2004, 60, 10651-10657.	1.9	33
14	Total synthesis of miraziridine A and identification of its major reaction site for cathepsin B. <i>Tetrahedron</i> , 2007, 63, 9502-9513.	1.9	33
15	Dynamic Function of the Alkyl Spacer of Acetogenins in Their Inhibitory Action with Mitochondrial Complex I (NADH-Ubiquinone Oxidoreductase). <i>Biochemistry</i> , 2005, 44, 14898-14906.	2.5	30
16	Epicatechin oligomers longer than trimers have anti-cancer activities, but not the catechin counterparts. <i>Scientific Reports</i> , 2017, 7, 7791.	3.3	27
17	Total synthesis of (+)-4-deoxygigantecin. <i>Tetrahedron Letters</i> , 1997, 38, 4247-4250.	1.4	26
18	Total synthesis of (+)-4-deoxygigantecin. <i>Tetrahedron</i> , 1998, 54, 6329-6340.	1.9	26

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19	Total synthesis of cis-solamin A, a mono-tetrahydrofuran acetogenin isolated from <i>Annona muricata</i> . <i>Tetrahedron Letters</i> , 2008, 49, 782-785.	1.4	26
20	Synthesis of Pyranicin and Its Inhibitory Action with Bovine Heart Mitochondrial Complex I. <i>Organic Letters</i> , 2008, 10, 717-720.	4.6	26
21	Synthesis of Procyanidin B3 and Its Anti-inflammatory Activity. The Effect of 4-Alkoxy Group of Catechin Electrophile in the Yb(OTf) ₃ -Catalyzed Condensation with Catechin Nucleophile. <i>Journal of Organic Chemistry</i> , 2010, 75, 4884-4886.	3.2	26
22	Synthesis of Annonaceous Acetogenins from Muricatacin. <i>Bioscience, Biotechnology and Biochemistry</i> , 2007, 71, 2367-2374.	1.3	25
23	Total synthesis of (15S, 16R, 19S, 20R, 34S)-diepomuricanin. <i>Tetrahedron Letters</i> , 1996, 37, 5393-5396.	1.4	24
24	Total Synthesis of (8'R)- and (8'S)-Corossoline. <i>Heterocycles</i> , 1996, 43, 2229.	0.7	24
25	Winners of CASMI2013: Automated Tools and Challenge Data. <i>Mass Spectrometry</i> , 2014, 3, S0039-S0039.	0.6	24
26	Synthesis of (±)-Muricatacin. <i>Bioscience, Biotechnology and Biochemistry</i> , 1993, 57, 1028-1029.	1.3	23
27	Hydrogen Transfer Hydrozirconation of Alkenes with <i>i</i> BuZrCp ₂ Cl Catalyzed by Lewis-Acidic Metal Compounds Containing Al, Zn, Si, Ag, and Pd. <i>European Journal of Organic Chemistry</i> , 1999, 1999, 969-971.	2.4	22
28	Synthesis of Murisolin, (15R, 16R, 19R, 20S)-Murisolin A, and (15R, 16R, 19S, 20S)-16,19-cis-Murisolin and Their Inhibitory Action with Bovine Heart Mitochondrial Complex I. <i>Chemistry - an Asian Journal</i> , 2006, 1, 894-904.	3.3	22
29	Identification and characterization of oligomeric proanthocyanidins with significant anti-cancer activity in adzuki beans (<i>Vigna angularis</i>). <i>Heliyon</i> , 2019, 5, e02610.	3.2	22
30	Myrsinoic Acid E, an Anti-inflammatory Compound from <i>Myrsine seguinii</i> . <i>Bioscience, Biotechnology and Biochemistry</i> , 2003, 67, 2038-2041.	1.3	21
31	New Plant Growth Promoters, Repraesentins A, B and C, from <i>Lactarius repraesentaneus</i> . <i>Bioscience, Biotechnology and Biochemistry</i> , 2003, 67, 1597-1600.	1.3	21
32	Synthesis and mitochondrial complex I inhibition of dihydroxy-cohibin A, non-THF annonaceous acetogenin analogue. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2004, 14, 629-632.	2.2	21
33	Current Topics of Organic and Biological Chemistry of Annonaceous Acetogenins and their Synthetic Mimics. <i>Current Drug Discovery Technologies</i> , 2008, 5, 213-229.	1.2	21
34	Repraesentins D, E and F, New Plant Growth Promoters from <i>Lactarius repraesentaneus</i> . <i>Bioscience, Biotechnology and Biochemistry</i> , 2006, 70, 1502-1505.	1.3	20
35	A refined method for determining the absolute configuration of the 3-hydroxy-3-methylglutaryl group. <i>Tetrahedron: Asymmetry</i> , 2007, 18, 1183-1186.	1.8	19
36	Syntheses of prodelphinidin B1, B2, and B4 and their antitumor activities against human PC-3 prostate cancer cell lines. <i>Tetrahedron Letters</i> , 2013, 54, 7188-7192.	1.4	19

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37	Syntheses of prodelphinidin B3 and C2, and their antitumor activities through cell cycle arrest and caspase-3 activation. <i>Tetrahedron</i> , 2013, 69, 3543-3550.	1.9	19
38	Heat treatment of Chinese quince polyphenols increases rat plasma levels of protocatechuic and vanillic acids. <i>Food Chemistry</i> , 2010, 118, 757-763.	8.2	18
39	Recent Syntheses of Proanthocyanidins. <i>Heterocycles</i> , 2013, 87, 2225.	0.7	18
40	Synthesis of (4R,15R,16R,21S)- and (4R,15S,16S,21S)-rollicosin. <i>Tetrahedron Letters</i> , 2005, 46, 4671-4675.	1.4	17
41	Synthesis of solamin type mono-THF acetogenins using cross-metathesis. <i>Tetrahedron</i> , 2010, 66, 7946-7953.	1.9	17
42	Syntheses of procyanidin B2 and B3 gallate derivatives using equimolar condensation mediated by Yb(OTf) ₃ and their antitumor activities. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2013, 23, 4935-4939.	2.2	17
43	Procyanidin B2 gallates inhibit IFN- γ and IL-17 production in T cells by suppressing T-bet and ROR γ t expression. <i>International Immunopharmacology</i> , 2017, 44, 87-96.	3.8	17
44	Procyanidin B2 gallate regulates TNF- α production from T cells through inhibiting glycolytic activity via mTOR-HIF-1 pathway. <i>Biochemical Pharmacology</i> , 2020, 177, 113952.	4.4	17
45	Synthesis of (4R,15R,16R,21S)- and (4R,15S,16S,21S)-rollicosin, squamostolide, and their inhibitory action with bovine heart mitochondrial complex I. <i>Bioorganic and Medicinal Chemistry</i> , 2006, 14, 3119-3130.	3.0	16
46	A Tyrosinase Inhibitor, Daedalin A, from Mycelial Culture of <i>Daedalea dickinsii</i> . <i>Bioscience, Biotechnology and Biochemistry</i> , 2007, 71, 2837-2840.	1.3	16
47	A novel hydrogen transfer hydroalumination of alkenes with triisobutylaluminum catalyzed by Pd and other late transition metal complexes. <i>Tetrahedron Letters</i> , 2001, 42, 785-787.	1.4	15
48	Taxpropellane: A Novel Taxane with an Unprecedented Polycyclic Skeleton from the Needles of <i>Taxus canadensis</i> . <i>European Journal of Organic Chemistry</i> , 2008, 2008, 5414-5417.	2.4	15
49	Synthesis of pyranicin and its deoxygenated analogues and their inhibitory action with bovine heart mitochondrial complex I. <i>Tetrahedron</i> , 2008, 64, 7695-7703.	1.9	15
50	Total synthesis of (+)-azimine via diastereoselective aminopalladation. <i>Tetrahedron</i> , 2013, 69, 8349-8352.	1.9	15
51	Intermolecular trapping of acylpalladium and related acylmetal derivatives with active C ⁶ H compounds. <i>Journal of Molecular Catalysis A</i> , 1999, 143, 279-286.	4.8	14
52	Adzuki bean (<i>Vigna angularis</i>) extract reduces amyloid- β aggregation and delays cognitive impairment in <i>Drosophila</i> models of Alzheimer's disease. <i>Nutrition Research and Practice</i> , 2019, 13, 64.	1.9	14
53	Syntheses of two possible diastereoisomers of the epoxy lactone proposed for an annonaceous acetogenin, epoxyrollin A. <i>Tetrahedron</i> , 1996, 52, 9399-9408.	1.9	13
54	Synthesis of both enantiomers of akolactone B and (+)-ancepsenolide. <i>Tetrahedron: Asymmetry</i> , 2014, 25, 1367-1371.	1.8	12

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55	Efficient Synthesis of Akolactone via Pd-Catalyzed Carbonylation. <i>Bioscience, Biotechnology and Biochemistry</i> , 2003, 67, 2658-2660.	1.3	10
56	Synthesis of legiolin, a fluorescent isocoumarin compound, isolated from <i>Legionella dumoffii</i> using cyclic acylpalladation and Heck reaction. <i>Tetrahedron Letters</i> , 2016, 57, 3942-3944.	1.4	10
57	A Concise Synthesis of Solamin and cis-Solamin, Mono-THF Acetogenins from <i>Annona muricata</i> . <i>Heterocycles</i> , 2009, 78, 2369.	0.7	10
58	Synthesis of (S)-Epicatechin 3-O-Methylgallate and (+)-Catechin 3-O-Methylgallate, and Their Anti-inflammatory Activity. <i>Chemistry and Biodiversity</i> , 2009, 6, 520-526.	2.1	9
59	Efficient Stereoselective Synthesis of Catechin Trimer Derivative Using Silver Lewis Acid-Mediated Equimolar Condensation. <i>Heterocycles</i> , 2011, 83, 739.	0.7	9
60	Recent Progress in the Synthesis of 2,6-Disubstituted Hydroxypiperidine Alkaloids. <i>Studies in Natural Products Chemistry</i> , 2014, 42, 353-371.	1.8	9
61	Divergent Synthesis of 2,6-Disubstituted Piperidine Alkaloid, (+)-Spectraline by Palladium-Catalyzed Cyclization. <i>Heterocycles</i> , 2015, 91, 959.	0.7	9
62	An asymmetric synthesis of (+)-monomorine I. <i>Tetrahedron: Asymmetry</i> , 2017, 28, 1582-1586.	1.8	9
63	Isolation and characterization of a novel oligomeric proanthocyanidin with significant anti-cancer activities from grape stems (<i>Vitis vinifera</i>). <i>Scientific Reports</i> , 2019, 9, 12046.	3.3	9
64	Synthesis of Procyanidins C2 and C1 Using Lewis Acid Mediated Equimolar Condensation. <i>Heterocycles</i> , 2012, 85, 2241.	0.7	9
65	Short-Step Synthesis of a Resveratrol Derivative from Commercially Available 1,3-Dimethoxybenzene and 4-Vinylanisole. <i>Bioscience, Biotechnology and Biochemistry</i> , 2009, 73, 2547-2548.	1.3	8
66	Daedalin A, a Metabolite of <i>Daedalea dickinsii</i> , Inhibits Melanin Synthesis in an in Vitro Human Skin Model. <i>Bioscience, Biotechnology and Biochemistry</i> , 2009, 73, 627-632.	1.3	7
67	Synthesis of (+)-boronolide and (+)-deacetylboronolide using Pd-catalyzed carbonylation and lactonization. <i>Tetrahedron Letters</i> , 2014, 55, 2822-2824.	1.4	7
68	Synthesis of Two Possible Diastereoisomers of the Epoxy Lactone Proposed for Epoxyrollin A. <i>Bioscience, Biotechnology and Biochemistry</i> , 1995, 59, 2355-2357.	1.3	6
69	Synthesis of four diastereomers and structural revision of tetradenolide. <i>Tetrahedron Letters</i> , 2014, 55, 4189-4192.	1.4	6
70	Synthesis of (+)-altholactone, (+)-7-epi-altholactone, (S)-etharvensin, and (+)-alumheptolide-A using Pd-catalyzed carbonylation. <i>Tetrahedron Letters</i> , 2018, 59, 4024-4027.	1.4	6
71	Synthesis, determination of the absolute configuration of tonkinelin, and inhibitory action with bovine heart mitochondrial complex I. <i>Bioorganic and Medicinal Chemistry</i> , 2007, 15, 3026-3031.	3.0	5
72	Syntheses of a Pyrrolidine Analog of a Tetrahydrofuran Containing Acetogenin, cis-Solamin. <i>Heterocycles</i> , 2015, 91, 573.	0.7	5

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73	Kale supplementation up-regulates HSP70 and suppresses cognitive decline in a mouse model of accelerated senescence. <i>Journal of Functional Foods</i> , 2018, 44, 292-298.	3.4	5
74	Synthesis of (-)-Isosolenopsin Using Diastereoselective Aminopalladation. <i>Heterocycles</i> , 2017, 94, 286.	0.7	5
75	Synthesis of Annonaceous Acetogenins and Their Inhibitory Action with Mitochondrial Complex I. <i>Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry</i> , 2011, 69, 159-168.	0.1	5
76	Structural Revision of Epoxyrollins A and B, Biosynthetic Precursors of Annonaceous Acetogenins. <i>Bioscience, Biotechnology and Biochemistry</i> , 2003, 67, 1438-1441.	1.3	4
77	Asymmetric syntheses of daedalin A and quercinol and their tyrosinase inhibitory activity. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2010, 20, 1063-1064.	2.2	4
78	Selective Synthesis of Epicatechin Dimers By Zinc(II) Triflate Mediated Self-Condensation. <i>Synthesis</i> , 2014, 46, 3351-3355.	2.3	4
79	Synthesis of (+)-goniopyrone and (+)-goniotriol using Pd-catalyzed carbonylation. <i>Tetrahedron Letters</i> , 2019, 60, 151039.	1.4	4
80	The suppression of IL-17 production from T cells by gallate-type procyanidin is mediated by selectively inhibiting cytokine production from dendritic cells. <i>Biomedicine and Pharmacotherapy</i> , 2021, 137, 111346.	5.6	4
81	Synthesis of Squamostanal-A. <i>Bioscience, Biotechnology and Biochemistry</i> , 1996, 60, 526-527.	1.3	3
82	Palladium-Catalyzed Hydrometallation. , 0, , 2789-2823.		3
83	Synthesis of Decytospolide A, B and Their C-3 Epimers Using Stereoselective α -Oxypalladation. <i>Synthesis</i> , 2016, 48, 765-771.	2.3	3
84	Concise Synthesis of Cinnamtannin A2 from Dimeric Epicatechin Electrophile and Nucleophile Prepared by Zn(OTf) ₂ -Mediated Self-Condensation. <i>Synthesis</i> , 2016, 48, 1525-1532.	2.3	3
85	Synthesis of Isocoumarin Compounds, 8-Hydroxy-6-methoxy-3-Pentyl-1H-Isochromen-1-one and Fusariumin Analog Using Palladium-Catalyzed Carbonylation Trapping with O-Enolate. <i>Heterocycles</i> , 2017, 94, 1542.	0.7	3
86	Synthesis of Arecatannin A1 from Dimeric Epicatechin Electrophile. <i>Natural Product Communications</i> , 2015, 10, 959-62.	0.5	3
87	Concise Synthesis of Procyanidin B2 3,3'- α -Digallate Using Yb(OTf) ₃ -Mediated Self-Condensation. <i>Synlett</i> , 2022, 33, 1071-1074.	1.8	3
88	Total Synthesis of cis-Solamin. <i>Organic Letters</i> , 2002, 4, 2613-2613.	4.6	2
89	Synthesis of Annonacin Isolated from <i>Annona densicoma</i> . <i>Bioscience, Biotechnology and Biochemistry</i> , 2010, 74, 1274-1275.	1.3	2
90	Synthesis of Arecatannin A1 from Dimeric Epicatechin Electrophile. <i>Natural Product Communications</i> , 2015, 10, 1934578X1501000.	0.5	2

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91	Stereoselective aminopalladation and oxypalladation and their application to the synthesis of natural products. <i>Natural Product Communications</i> , 2013, 8, 1005-10.	0.5	2
92	Stereoselective Aminopalladation and Oxypalladation and Their Application to the Synthesis of Natural Products. <i>Natural Product Communications</i> , 2013, 8, 1934578X1300800.	0.5	1
93	Synthesis of epigallocatechin trimer, (epigallocatechin) ₂ -epicatechin, and (epigallocatechin) ₂ -catechin via a Lewis acid mediated one-pot condensation and their antitumor activities in prostate cancer cells. <i>Tetrahedron</i> , 2018, 74, 3534-3542.	1.9	1
94	Synthesis of (+)-Muconin via Diastereoselective Oxypalladation. <i>Journal of Organic Chemistry</i> , 2021, 86, 4859-4866.	3.2	1
95	Reactions of Acylpalladium Derivatives with Enolates and Related Amphiphilic Reagents. , 0, , 2455-2471.		0
96	(âˆ“) -Epicatechin 3-(3â€³-O-Methylgallate) and (+)-Catechin 3-(3â€³-O-Methylgallate), and their Anti-Inflammatory Activity. , 2013, , 1215-1222.		0
97	Synthesis of (+)-solenopsin via Pd-catalyzed N-alkylation and cyclization. <i>Bioscience, Biotechnology and Biochemistry</i> , 2021, 85, 223-227.	1.3	0