

Makoto Inai

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	1,2,3-Triazine formation mechanism of the fairy chemical 2-azahypoxanthine in the fairy ring-forming fungus <i>Lepista sordida</i> . <i>Organic and Biomolecular Chemistry</i> , 2022, 20, 2636-2642.	1.5	6
2	<i>S</i> -Adenosylhomocysteine Analogue of a Fairy Chemical, Imidazole-4-carboxamide, as its Metabolite in Rice and Yeast and Synthetic Investigations of Related Compounds. <i>Journal of Natural Products</i> , 2021, 84, 453-458.	1.5	4
3	Biosynthesis of the Fairy Chemicals, 2-Azahypoxanthine and Imidazole-4-carboxamide, in the Fairy Ring-Forming Fungus <i>Lepista sordida</i> . <i>Journal of Natural Products</i> , 2020, 83, 2469-2476.	1.5	14
4	Pactamycin and Its Derivatives: Improved Synthesis Route. <i>European Journal of Organic Chemistry</i> , 2020, 2020, 488-491.	1.2	6
5	Synthetic Studies on Pactamycin: A Synthesis of Johnson's Intermediate. <i>Organic Letters</i> , 2020, 22, 3515-3518.	2.4	8
6	Total Synthesis of Sophoraflavanone H and Confirmation of Its Absolute Configuration. <i>Organic Letters</i> , 2020, 22, 3820-3824.	2.4	5
7	Total Syntheses and Cytotoxic Evaluations of Cryptolactones A ₁ , A ₂ , B ₁ , B ₂ , and Their Derivatives. <i>Chemical and Pharmaceutical Bulletin</i> , 2020, 68, 380-383.	0.6	2
8	A Fairy Chemical, Imidazole-4-carboxamide, is Produced on a Novel Purine Metabolic Pathway in Rice. <i>Scientific Reports</i> , 2019, 9, 9899.	1.6	19
9	Ribosides and Ribotide of a Fairy Chemical, Imidazole-4-carboxamide, as Its Metabolites in Rice. <i>Organic Letters</i> , 2019, 21, 7841-7845.	2.4	7
10	Diastereodivergent and Regiodivergent Total Synthesis of Princepin and Isoprincepin in Both (7 <i>R</i> ,8 <i>R</i>) and (7 <i>S</i> ,8 <i>S</i>) Isomers. <i>Journal of Organic Chemistry</i> , 2019, 84, 14227-14240.	1.7	9
11	Practical Synthesis of Polymethylated Flavones: Nobiletin and Its Desmethyl Derivatives. <i>Organic Process Research and Development</i> , 2019, 23, 595-602.	1.3	14
12	Transdermal delivery of nobiletin using ionic liquids. <i>Scientific Reports</i> , 2019, 9, 20191.	1.6	58
13	Piperidine and Azetidone Formation by Direct Cyclization of Diols with <i>N</i> -Nonsubstituted Sulfonamide under the Mitsunobu Conditions Utilizing (Cyanomethylene)tributylphosphorane (CMBP) and Its Application to the Synthesis of Lupinine. <i>Heterocycles</i> , 2019, 98, 1525.	0.4	1
14	Concise Synthesis of TAN1251C. <i>Heterocycles</i> , 2019, 99, 1095.	0.4	0
15	Total synthesis of natural products using a desymmetrization strategy. <i>Tetrahedron Letters</i> , 2018, 59, 1343-1347.	0.7	13
16	An efficient screening method for purifying and crystallizing membrane proteins using modified clear-native PAGE. <i>Analytical Biochemistry</i> , 2018, 548, 7-14.	1.1	13
17	Concise synthesis of polymethoxyflavone sudachitin and its derivatives, and biological evaluations. <i>Tetrahedron Letters</i> , 2018, 59, 1816-1818.	0.7	10
18	<i>N</i> -Glucosides of Fairy Chemicals, 2-Azahypoxanthine and 2-Aza-8-oxohypoxanthine, in Rice. <i>Organic Letters</i> , 2018, 20, 312-314.	2.4	20

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19	Optically Active 2,7,10,15-Tetrahydroxytetraphenylene: Clathrates with Both Enantiomers of 1-Phenylethylamine and Their Stability. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 6991-6999.	1.2	6
20	Synthesis of double- ¹³ C-labeled imidazole derivatives. <i>Tetrahedron Letters</i> , 2018, 59, 3516-3518.	0.7	15
21	A role of uroleuconaphins, polyketide red pigments in aphid, as a chemopreventor in the host defense system against infection with entomopathogenic fungi. <i>Journal of Antibiotics</i> , 2018, 71, 992-999.	1.0	6
22	Insulinotropic and anti-apoptotic effects of nobiletin in INS-1D β -cells. <i>Journal of Functional Foods</i> , 2017, 30, 8-15.	1.6	13
23	Synthetic Study on Pactamycin: Stereoselective Synthesis of the Cyclopentane Core Framework. <i>Organic Letters</i> , 2017, 19, 3358-3361.	2.4	19
24	Divergent synthesis of kinase inhibitor derivatives, leading to discovery of selective Gck inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2017, 27, 2144-2147.	1.0	0
25	Total Synthesis of TAN1251C via Diastereoselective Construction of the Azaspiro Skeleton. <i>Organic Letters</i> , 2017, 19, 3839-3842.	2.4	11
26	Syntheses of methylated catechins and theaflavins using 2-nitrobenzenesulfonyl group to protect and deactivate phenol. <i>Journal of Antibiotics</i> , 2016, 69, 299-312.	1.0	7
27	Concise Synthesis of Anserine: Efficient Solvent Tuning in Asymmetric Hydrogenation Reaction. <i>Synlett</i> , 2016, 27, 2734-2736.	1.0	5
28	Practical Synthesis of Spermine, Thermospermine and Norspermine. <i>Chemical and Pharmaceutical Bulletin</i> , 2016, 64, 1403-1407.	0.6	2
29	Practical Total Syntheses of Acromelic Acids A and B. <i>Chemical and Pharmaceutical Bulletin</i> , 2016, 64, 723-732.	0.6	4
30	Stereoselective construction of 2-vinyl 3-hydroxybenzopyran rings: total syntheses of teadenols A and B. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 10783-10786.	1.5	4
31	Applications of C-H Insertion Reaction in Total Synthesis of Biologically Active Heterocyclic Natural Products. <i>Heterocycles</i> , 2016, 92, 31.	0.4	11
32	Synthesis of Chemical-Biology Tools Enabling in vivo Imaging and Analysis of Epigallocatechin Gallate. <i>Heterocycles</i> , 2016, 93, 218.	0.4	3
33	Synthesis of Food Effective Constituents toward the Development for Chemical Biology Investigations. <i>Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry</i> , 2016, 74, 412-425.	0.0	0
34	Stereocontrolled Total Syntheses of Optically Active Furofuran Lignans. <i>Synthesis</i> , 2015, 47, 3513-3521.	1.2	10
35	Practical Synthesis of Kainoids: A New Chemical Probe Precursor and a Fluorescent Probe. <i>Organic Letters</i> , 2014, 16, 564-567.	2.4	11
36	Isolation and Total Syntheses of Cytotoxic Cryptolactones A ₁ , A ₂ , B ₁ , and B ₂ : β , γ -Unsaturated β -Lactones from a <i>Cryptomyzus</i> sp. Aphid. <i>Journal of Natural Products</i> , 2014, 77, 2459-2464.	1.5	8

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37	Practical synthesis of natural plant-growth regulator 2-azahypoxanthine, its derivatives, and biotin-labeled probes. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 3813-3815.	1.5	30
38	Stereocontrolled Total Synthesis of Hedyotol A. <i>Organic Letters</i> , 2014, 16, 1976-1979.	2.4	31
39	Enantioselective Synthesis of SB-203207. <i>Organic Letters</i> , 2014, 16, 1646-1649.	2.4	28
40	Practical Total Syntheses of Acromelic Acids A and B. <i>Organic Letters</i> , 2014, 16, 1980-1983.	2.4	26
41	Total Syntheses of (+)-Sesamin and (+)-Sesaminol. <i>Chemistry Letters</i> , 2014, 43, 1572-1574.	0.7	12
42	Synthetic Studies of Fisetin, Myricetin and Nobiletin Analogs and Related Probe Molecules. <i>Heterocycles</i> , 2014, 88, 1371.	0.4	10
43	Stereocontrolled Total Synthesis of Sphingofungin E. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 6789-6792.	1.2	29
44	Xanthouroleuconaphin: a yellowish pigment from the aphid <i>Uroleucon nigrotuberculatum</i> and its total synthesis. <i>Tetrahedron</i> , 2013, 69, 1808-1814.	1.0	5
45	Chemoselective Hydrogenation Reaction of Unsaturated Bonds in the Presence of an <i>o</i> -Nitrobenzenesulfonyl Group. <i>Organic Letters</i> , 2013, 15, 1306-1309.	2.4	19
46	A Method to Prepare Optically Active Acyclic β -Benzyl Ketones by Thermodynamically Controlled Deracemization. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 8208-8213.	1.2	13
47	Synthesis of Theaflavins via Biomimetic Oxidative Coupling Reactions. <i>Synlett</i> , 2013, 24, 479-482.	1.0	12
48	A Total Synthesis of Yellowish Aphid Pigment Furanaphin through Fries Rearrangement Assisted by Boron Trifluoride-Acetic Acid Complex. <i>Synlett</i> , 2012, 23, 1789-1792.	1.0	4
49	Megouraphin Glucosides: Two Yellowish Pigments from the Aphid <i>Megoura crassicauda</i> . <i>Heterocycles</i> , 2012, 85, 95.	0.4	6
50	Construction of an asymmetric quaternary carbon via an asymmetric aza-Claisen rearrangement and its application in the total synthesis of (+)- β -cuparenone. <i>Tetrahedron: Asymmetry</i> , 2012, 23, 739-741.	1.8	8
51	Catalytic Desymmetrization of Cyclohexadienes by Asymmetric Bromolactonization. <i>Organic Letters</i> , 2012, 14, 6016-6019.	2.4	112
52	PET imaging of nobiletin based on a practical total synthesis. <i>Chemical Communications</i> , 2011, 47, 2868.	2.2	46
53	Viridaphin A ₁ Glucoside, a Green Pigment Possessing Cytotoxic and Antibacterial Activity from the Aphid <i>Megoura crassicauda</i> . <i>Journal of Natural Products</i> , 2011, 74, 1812-1816.	1.5	11
54	Total Synthesis of the (+)-Antimycin A Family. <i>European Journal of Organic Chemistry</i> , 2011, 2011, 2719-2729.	1.2	15

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55	Total Synthesis of (+)-Brefeldin C Utilizing Aza-Claisen Rearrangement. <i>Synlett</i> , 2011, 2011, 1459-1461.	1.0	1
56	Promotion of Asymmetric Aza-Claisen Rearrangement of N-Allylic Carboxamides Using Excess Base. <i>Synlett</i> , 2011, 2011, 2967-2970.	1.0	2
57	A facile and practical method of preparing optically active $\hat{\pm}$ -monosubstituted cycloalkanones by thermodynamically controlled deracemization. <i>Tetrahedron</i> , 2010, 66, 9450-9455.	1.0	7
58	Synthetic studies on palau $\hat{\epsilon}$ amine. Construction of the cyclopentane core via an asymmetric 1,3-dipolar cycloaddition. <i>Tetrahedron Letters</i> , 2010, 51, 6557-6559.	0.7	36
59	Solid-Supported Synthesis of Artificial Phospholipids. <i>Synlett</i> , 2009, 2009, 3373-3377.	1.0	1
60	Concise Synthesis of Chafurosides A and B. <i>Organic Letters</i> , 2009, 11, 2233-2236.	2.4	54
61	Identification and characterization of flavonoids as sialyltransferase inhibitors. <i>Biochemical and Biophysical Research Communications</i> , 2009, 382, 609-613.	1.0	19
62	Stereocontrolled total synthesis of ($\hat{\alpha}$)-myriocin. <i>Tetrahedron: Asymmetry</i> , 2008, 19, 2771-2773.	1.8	31
63	A Practical Total Synthesis of (+)-Antimycin A9. <i>Journal of Antibiotics</i> , 2007, 60, 65-72.	1.0	12