

# Iwao Okamoto

## List of Publications by Year in descending order

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68  
papers

1,218  
citations

361413

20  
h-index

434195

31  
g-index

83  
all docs

83  
docs citations

83  
times ranked

1153  
citing authors

#	ARTICLE	IF	CITATIONS
1	Total asymmetric transformation of an N-methylbenzamide.. Journal of the American Chemical Society, 1995, 117, 9083-9084.	13.7	79
2	Synthesis of Maremycins A and D <sub>1</sub> via Cycloaddition of a Nitron with (<i>E</i>)-3-Ethylidene-1-methylindolin-2-one. Organic Letters, 2008, 10, 2043-2046.	4.6	72
3	Total Syntheses of Tubulysins. Chemistry - A European Journal, 2010, 16, 11678-11688.	3.3	61
4	Acid-Induced Molecular Folding and Unfolding of N-Methyl Aromatic Amide Bearing 2,6-Disubstituted Pyridines. Journal of the American Chemical Society, 2007, 129, 1892-1893.	13.7	55
5	On the planarity of amide nitrogen. Intrinsic pyramidal nitrogen of N-acyl-7-azabicyclo[2.2.1]heptanes. Tetrahedron Letters, 1998, 39, 865-868.	1.4	46
6	Total Synthesis of Grandisine D. Organic Letters, 2009, 11, 1179-1181.	4.6	41
7	A chiral N-methylbenzamide: Spontaneous generation of optical activity. Tetrahedron, 1999, 55, 11237-11246.	1.9	37
8	Intrinsic pyramidal nitrogen of N-sulfonylamides. Tetrahedron Letters, 1998, 39, 7877-7880.	1.4	35
9	Gold(I)/(III)-Catalyzed Synthesis of Cyclic Ethers; Valency-Controlled Cyclization Modes. Organic Letters, 2015, 17, 2668-2671.	4.6	35
10	Acid-induced conformational alteration of cis-preferential aromatic amides bearing N-methyl-N-(2-pyridyl) moiety. Tetrahedron, 2011, 67, 8536-8543.	1.9	34
11	Aerobic oxidative dimerization of 1-naphthols to 2,2'-binaphthoquinones mediated by SnCl <sub>4</sub> and its application to natural product synthesis. Tetrahedron, 2004, 60, 9049-9060.	1.9	30
12	Spontaneous Resolution of Aromatic Sulfonamides: An Effective Screening Method and Discrimination of Absolute Structure. Organic Letters, 2006, 8, 5017-5020.	4.6	30
13	A Flexible Approach to Grandisine Alkaloids: Total Synthesis of Grandisines B, D, and F. Chemistry - A European Journal, 2009, 15, 12754-12763.	3.3	30
14	Acid-induced conformational switching of aromatic N-methyl-N-(2-pyridyl)amides. Tetrahedron Letters, 2007, 48, 573-577.	1.4	26
15	Synthesis and biological evaluation of tubulysin D analogs related to stereoisomers of tubuvaline. Bioorganic and Medicinal Chemistry Letters, 2011, 21, 431-434.	2.2	26
16	BF <sub>3</sub> -Mediated <i>cis</i>-Selective Cycloaddition of <i>O</i>-Silyloxime with Alkenes. Journal of Organic Chemistry, 2015, 80, 4797-4802.	3.2	26
17	Distortion of Olefin and Carbonyl $\pi$ -Orbitals in Dibenzobicyclo[2.2.2]octatrienes and Dibenzobicyclo[2.2.2]octadienones. Unsymmetrization of $\pi$ Lobes Arising from $\pi$ - $\pi$ Orbital Interactions. Journal of Organic Chemistry, 1994, 59, 3975-3984.	3.2	25
18	Intermolecular Cycloaddition of <i>N</i>-Boranonitrone with Alkenes. Journal of Organic Chemistry, 2008, 73, 7164-7174.	3.2	24

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19	SnCl <sub>4</sub> -mediated oxidative biaryl coupling reaction of 1-naphthol and subsequent ring closure of 2,2'-binaphthol to the dinaphthofuran framework. <i>Tetrahedron</i> , 2004, 60, 6295-6310.	1.9	21
20	A Novel Construction of Dibenzofuran-1,4-diones by Oxidative Cyclization of Quinone-arenoles. <i>Organic Letters</i> , 2007, 9, 2807-2810.	4.6	21
21	Redox-Induced Conformational Alteration of N,N-Diarylamides. <i>Organic Letters</i> , 2007, 9, 5545-5547.	4.6	21
22	Absolute Helical Arrangement of Sulfonamide in the Crystal. <i>Organic Letters</i> , 2003, 5, 3939-3942.	4.6	20
23	A New Electrochemical System for Stereoselective Allylic Hydroxylation of Cholesteryl Acetate with Dioxygen Induced by Iron Picolinate Complexes. <i>Chemical and Pharmaceutical Bulletin</i> , 2004, 52, 756-759.	1.3	20
24	1,3-Dipolar cycloaddition of $\alpha$ -alkoxycarbonylnitrones with vinyl ethers and allyl alcohols in the presence of Eu(fod) <sub>3</sub> : selective activation of (Z)-isomers of the nitrones. <i>Tetrahedron</i> , 2006, 62, 12227-12236.	1.9	20
25	Stereoselective synthesis of tubovaline methyl ester and tubuphenylalanine, components of tubulysins, tubulin polymerization inhibitors. <i>Tetrahedron Letters</i> , 2009, 50, 3845-3848.	1.4	20
26	Orbital Unsymmetrization Affects Facial Selectivities of Diels-Alder Dienophiles. <i>Journal of Organic Chemistry</i> , 1996, 61, 3155-3166.	3.2	19
27	Iron(III)Picolinate-Induced Oxygenation and Subsequent Rearrangement of Triterpenoid Derivatives with Hydrogen Peroxide. <i>Chemical and Pharmaceutical Bulletin</i> , 2000, 48, 120-125.	1.3	19
28	Biomimetic synthesis of the dinaphthofuranquinone violet-quinone, utilizing oxidative dimerization with the ZrO <sub>2</sub> /O <sub>2</sub> system. <i>Tetrahedron</i> , 2004, 60, 3941-3948.	1.9	19
29	Solvent-dependent conformational switching of the aromatic N-methyl amides depending upon the acceptor properties of solvents. <i>Tetrahedron Letters</i> , 2006, 47, 7143-7146.	1.4	18
30	Semiconductor-mediated oxidative dimerization of 1-naphthols with dioxygen and O-demethylation of the enol-ethers by SnO <sub>2</sub> without dioxygen. <i>Tetrahedron</i> , 2004, 60, 10681-10693.	1.9	17
31	Synthesis of the proposed structure of phaeosphaeride A. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 5825.	2.8	17
32	Gold(I)/(III)-catalyzed synthesis of 2-substituted piperidines; valency-controlled cyclization modes. <i>Tetrahedron Letters</i> , 2015, 56, 6269-6272.	1.4	17
33	Efficient oxidative dimerization of 1-naphthols to 2,2'-binaphthyls with dioxygen mediated by semiconductors. <i>Tetrahedron Letters</i> , 2004, 45, 2643-2647.	1.4	16
34	The aryl-aryl coupling reaction of 1-naphthol with SnCl <sub>4</sub> for 2,2'-binaphthol synthesis and its application to the biomimetic synthesis of binaphthoquinone isolated from <i>Plumbago zeylanica</i> . <i>Tetrahedron Letters</i> , 2001, 42, 2987-2989.	1.4	15
35	Intermolecular Cycloaddition of Ethyl Glyoxylate O-tert-Butyldimethylsilyloxime with Alkenes. <i>Synlett</i> , 2007, 2007, 0658-0660.	1.8	15
36	Reactions of 1-Naphthols with .PI-Acceptor p-Benzoquinones: Oxidative Aryl Coupling vs. Non-Oxidative Electrophilic Arylation. <i>Chemical and Pharmaceutical Bulletin</i> , 2005, 53, 199-206.	1.3	14

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37	Solvent-dependent conformational and fluorescence change of an N-phenylbenzohydroxamic acid derivative bearing two pyrene moieties. <i>Tetrahedron</i> , 2012, 68, 2778-2783.	1.9	14
38	Gold-Catalyzed Synthesis of 2-Substituted Azepanes: Strategic Use of Soft Gold(I) and Hard Gold(III) Catalysts. <i>Synlett</i> , 2016, 27, 1936-1940.	1.8	14
39	Polymorphism and Pseudopolymorphism of an Aromatic Amide: Spontaneous Resolution and Crystal-to-Crystal phase Transition. <i>Crystal Growth and Design</i> , 2008, 8, 3871-3877.	3.0	13
40	SnCl <sub>4</sub> -mediated oxidative reaction for formation of binaphthoquinone and dinaphthofuran frameworks and its application to natural product synthesis. <i>Tetrahedron Letters</i> , 2003, 44, 2041-2044.	1.4	11
41	Redox-responsive conformational alteration of aromatic amides bearing N-quinonyl system. <i>Tetrahedron</i> , 2012, 68, 5346-5355.	1.9	11
42	Selective Allylic Hydroxylation of Octahydronaphthalene Derivatives with a Bridgehead Double Bond Using Electrochemical Method with Iron Picolinate Complexes. <i>Chemical and Pharmaceutical Bulletin</i> , 2005, 53, 248-252.	1.3	9
43	Acid-controlled switching of conformational preference of N,N-diarylamides bearing pyridine. <i>Tetrahedron Letters</i> , 2016, 57, 4737-4741.	1.4	9
44	A remote substituent can determine magnitude of facial selectivity in benzobicyclo[2.2.2]octatrienes. <i>Tetrahedron Letters</i> , 1996, 37, 2609-2612.	1.4	8
45	Synthesis and evaluation of opioid receptor-binding affinity of elaeocarpenine and its analogs. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2010, 20, 1601-1603.	2.2	8
46	Stereoselective vinylogous Mannich reaction of 2-trimethylsilyloxyfuran with N-gulosyl nitrones. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 7411.	2.8	8
47	Orbital distortion in dibenzobicyclo(2.2.2)octatrienes. Biased epoxidation and dihydroxylation of the olefin moiety.. <i>Chemical and Pharmaceutical Bulletin</i> , 1992, 40, 3349-3351.	1.3	7
48	Non-steric facial selectivity in nucleophilic 1,4-conjugate additions. <i>Tetrahedron Letters</i> , 1997, 38, 425-428.	1.4	7
49	Acid- and base-induced conformational alterations of N-aryl-N-troponyl amides. <i>Tetrahedron Letters</i> , 2016, 57, 438-441.	1.4	7
50	Gold-Catalyzed Dimeric Cyclization of Isoeugenol and Related 1-Phenylpropenes in Ionic Liquid: Environmentally Friendly and Stereoselective Synthesis of 1,2,3-Trisubstituted 2,3-Dihydro-1H-indenes. <i>Synthesis</i> , 2016, 48, 1927-1933.	2.3	6
51	Conformational analysis of N-aryl-N-(2-azulenyl)acetamides. <i>Tetrahedron Letters</i> , 2018, 59, 3994-3998.	1.4	6
52	N-alkynylation of Anilides Decreases the Double Bond Character of Amide Bond while Retaining <i>cis-trans</i> Conformation and Planarity. <i>Chemistry - A European Journal</i> , 2019, 25, 10118-10122.	3.3	6
53	Oxidative Dimerization of 4-Methoxynaphthylamines in the Presence of Semiconductors. <i>Heterocycles</i> , 2010, 80, 1479.	0.7	5
54	Acid-induced molecular-structural transformation of N-methyl aromatic oligoamides bearing pyridine-2-carboxamide. <i>Tetrahedron Letters</i> , 2016, 57, 56-59.	1.4	5

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55	Conformational Switch of Benzanilide Derivative Induced by Acid; Effect of Pentafluorobenzoyl Group. <i>Journal of Organic Chemistry</i> , 2022, 87, 8469-8479.	3.2	5
56	Synthesis and conformational analysis of N-aryl-N-(3-thienyl)acetamides. <i>Tetrahedron Letters</i> , 2018, 59, 2454-2458.	1.4	4
57	Synthesis and conformational analysis of N-aryl-N-(6-azulenyl)acetamides. <i>Tetrahedron Letters</i> , 2019, 60, 1929-1933.	1.4	4
58	Spontaneous Optical Resolution of 1,2-Bis(formylamino)benzene in Crystals. <i>Analytical Sciences: X-ray Structure Analysis Online</i> , 2003, 19, X3-X4.	0.1	2
59	Convenient Synthesis of Aminopyridinecarboxylic Acids. <i>Heterocycles</i> , 2011, 83, 2343.	0.7	2
60	One-Pot Synthesis of Dibenzofuran-1,4-diones. <i>Heterocycles</i> , 2007, 74, 961.	0.7	2
61	External Stimulus-Responsive Control of Aromatic Amide Conformations. Yuki Gosei Kagaku Kyokaiishi/ <i>Journal of Synthetic Organic Chemistry</i> , 2009, 67, 1240-1249.	0.1	2
62	Synthesis and crystal structures of N,N-diarylacetamides bearing two azulene rings. <i>Tetrahedron Letters</i> , 2021, 86, 153523.	1.4	1
63	SnCl <sub>4</sub> -Mediated Oxidative Reaction for Formation of Binaphthoquinone and Dinaphthofuran Frameworks and Its Application to Natural Product Synthesis.. <i>ChemInform</i> , 2003, 34, no.	0.0	0
64	Efficient Oxidative Dimerization of 1-Naphthols to 2,2'-Binaphthyls with Dioxygen Mediated by Semiconductors.. <i>ChemInform</i> , 2004, 35, no.	0.0	0
65	Semiconductor-Mediated Oxidative Dimerization of 1-Naphthols with Dioxygen and O-Demethylation of the Enol-Ethers by SnO <sub>2</sub> Without Dioxygen.. <i>ChemInform</i> , 2005, 36, no.	0.0	0
66	Selective Allylic Hydroxylation of Octahydronaphthalene Derivatives with a Bridgehead Double Bond Using Electrochemical Method with Iron Picolinate Complexes.. <i>ChemInform</i> , 2005, 36, no.	0.0	0
67	Reactions of 1-Naphthols with $\pi$ -Acceptor p-Benzoquinones: Oxidative Aryl Coupling vs. Non-Oxidative Electrophilic Arylation.. <i>ChemInform</i> , 2005, 36, no.	0.0	0
68	The Aryl-Aryl Coupling Reaction of 1-Naphthol with SnCl <sub>4</sub> for 2,2'-Binaphthol Synthesis and Its Application to the Biomimetic Synthesis of Binaphthoquinone Isolated from <i>Plumbago zeylanica</i> .. <i>ChemInform</i> , 2001, 32, 108-108.	0.0	0