

Takanori Iwasaki

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

71 papers	2,100 citations	26 h-index	45 g-index
102 ext. papers	2,352 ext. citations	5.6 avg, IF	5.04 L-index

#	Paper	IF	Citations
71	Pd-catalyzed cross-coupling reactions of alkyl halides. <i>Chemical Society Reviews</i> , 2011 , 40, 4937-47	58.5	325
70	Enzyme-like chemoselective acylation of alcohols in the presence of amines catalyzed by a tetranuclear zinc cluster. <i>Journal of the American Chemical Society</i> , 2008 , 130, 2944-5	16.4	139
69	Co-catalyzed cross-coupling of alkyl halides with tertiary alkyl Grignard reagents using a 1,3-butadiene additive. <i>Journal of the American Chemical Society</i> , 2013 , 135, 9604-7	16.4	93
68	C1-symmetric Rh/Phebox-catalyzed asymmetric alkynylation of ketoesters. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 6296-300	16.4	91
67	The palladium-catalyzed intermolecular C-H chalcogenation of arenes. <i>Journal of Organic Chemistry</i> , 2015 , 80, 367-74	4.2	87
66	Transesterification of various methyl esters under mild conditions catalyzed by tetranuclear zinc cluster. <i>Journal of Organic Chemistry</i> , 2008 , 73, 5147-50	4.2	82
65	Nickel-catalyzed synthesis of diarylsulfides and sulfones via C-H bond functionalization of arylamides. <i>Organic and Biomolecular Chemistry</i> , 2015 , 13, 6803-13	3.9	81
64	Rhodium-catalyzed intermolecular oxidative cross-coupling of (hetero)arenes with chalcogenophenes. <i>Organic Letters</i> , 2013 , 15, 1290-3	6.2	81
63	Direct conversion of esters, lactones, and carboxylic acids to oxazolines catalyzed by a tetranuclear zinc cluster. <i>Chemical Communications</i> , 2006 , 2711-3	5.8	72
62	Ni-Catalyzed C-C Couplings Using Alkyl Electrophiles. <i>Topics in Current Chemistry</i> , 2016 , 374, 66	7.2	67
61	Additive Effect of N-Heteroaromatics on Transesterification Catalyzed by Tetranuclear Zinc Cluster. <i>ACS Catalysis</i> , 2011 , 1, 1178-1182	13.1	54
60	Diaryl rhodates as promising active catalysts for the arylation of vinyl ethers with Grignard reagents. <i>Journal of the American Chemical Society</i> , 2014 , 136, 9260-3	16.4	53
59	Copper-catalyzed coupling reaction of unactivated secondary alkyl iodides with alkyl Grignard reagents in the presence of 1,3-butadiene as an effective additive. <i>Chemical Communications</i> , 2012 , 48, 9313-5	5.8	50
58	Zinc-catalyzed cycloisomerizations. Synthesis of substituted furans and furopyrimidine nucleosides. <i>Journal of Organic Chemistry</i> , 2008 , 73, 5881-9	4.2	49
57	Synthesis of imidazo and benzimidazo[2,1-a]isoquinolines by rhodium-catalyzed intramolecular double C-H bond activation. <i>Organic and Biomolecular Chemistry</i> , 2013 , 11, 2249-53	3.9	41
56	Nickel-catalysed direct alkylation of thiophenes via double C(sp)-H/C(sp)-H bond cleavage: the importance of KHPO. <i>Chemical Communications</i> , 2017 , 53, 8316-8319	5.8	41
55	Copper-mediated thiolation of carbazole derivatives and related N-heterocycle compounds. <i>RSC Advances</i> , 2015 , 5, 39358-39365	3.7	39

54	Copper-catalyzed alkyl-alkyl cross-coupling reactions using hydrocarbon additives: efficiency of catalyst and roles of additives. <i>Journal of Organic Chemistry</i> , 2014 , 79, 8522-32	4.2	35
53	Copper-Catalyzed Regioselective Hydroalkylation of 1,3-Dienes with Alkyl Fluorides and Grignard Reagents. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 9347-50	16.4	35
52	Nickel-Catalyzed Dimerization and Alkylarylation of 1,3-Dienes with Alkyl Fluorides and Aryl Grignard Reagents. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 5550-4	16.4	34
51	Intramolecular, Site-Selective, Iodine-Mediated, Amination of Unactivated (sp)C-H Bonds for the Synthesis of Indoline Derivatives. <i>Organic Letters</i> , 2017 , 19, 2793-2796	6.2	32
50	Nickel-catalyzed coupling reaction of alkyl halides with aryl Grignard reagents in the presence of 1,3-butadiene: mechanistic studies of four-component coupling and competing cross-coupling reactions. <i>Chemical Science</i> , 2018 , 9, 2195-2211	9.4	31
49	A tetranuclear-zinc-cluster-catalyzed practical and versatile deprotection of acetates and benzoates. <i>Chemistry - A European Journal</i> , 2010 , 16, 11567-71	4.8	31
48	Multicomponent Coupling Reaction of Perfluoroarenes with 1,3-Butadiene and Aryl Grignard Reagents Promoted by an Anionic Ni(II) Complex. <i>Organic Letters</i> , 2016 , 18, 4868-4871	6.2	30
47	Fe-Catalyzed Cross-Coupling Reaction of Vinylic Ethers with Aryl Grignard Reagents. <i>Chemistry - an Asian Journal</i> , 2016 , 11, 2834-2837	4.5	30
46	C1-Symmetric Rh/Phebox-Catalyzed Asymmetric Alkynylation of β -Ketoesters. <i>Angewandte Chemie</i> , 2011 , 123, 6420-6424	3.6	28
45	Alternating Copolymerization of CO and Cyclohexene Oxide Catalyzed by Cobalt-Lanthanide Mixed Multinuclear Complexes. <i>Inorganic Chemistry</i> , 2020 , 59, 7928-7933	5.1	25
44	Silver-catalyzed regioselective carbomagnesiation of alkynes with alkyl halides and Grignard reagents. <i>Organic Letters</i> , 2011 , 13, 4656-9	6.2	23
43	Nickel-butadiene catalytic system for the cross-coupling of bromoalkanoic acids with alkyl Grignard reagents: a practical and versatile method for preparing fatty acids. <i>Chemistry - A European Journal</i> , 2013 , 19, 2956-60	4.8	22
42	Co-Catalyzed Cross-Coupling Reaction of Alkyl Fluorides with Alkyl Grignard Reagents. <i>Organic Letters</i> , 2017 , 19, 3691-3694	6.2	22
41	The Cobalt-Catalyzed Cross-Coupling Reaction of Alkyl Halides with Alkyl Grignard Reagents: A New Route to Constructing Quaternary Carbon Centers \square <i>Synthesis</i> , 2014 , 46, 1583-1592	2.9	22
40	Regioselective phosphorylation of myo-inositol with BINOL-derived phosphoramidites and its application for protozoan lysophosphatidylinositol. <i>Organic and Biomolecular Chemistry</i> , 2016 , 14, 6672-3	3.9	21
39	Nickel-catalyzed coupling of thiomethyl-substituted 1,3-benzothiazoles with secondary alkyl Grignard reagents. <i>Chemistry - A European Journal</i> , 2013 , 19, 2951-5	4.8	21
38	Kinetic Studies of the Ni-catalyzed Cross-coupling of Alkyl Halides and a Tosylate with Butyl Grignard Reagent in the Presence of 1,3-Butadiene. <i>Chemistry Letters</i> , 2011 , 40, 1024-1026	1.7	21
37	Cross-coupling of Grignard reagents with alkyl halides or tosylates by the use of nickel or palladium containing perovskite. <i>Tetrahedron Letters</i> , 2011 , 52, 774-776	2	19

- 36 Cu-catalyzed Reductive Coupling of Perfluoroarenes with 1,3-Dienes. *Chemistry Letters*, **2017**, 46, 1504-1507 15
- 35 Theoretical study of Al(III)-catalyzed conversion of glyoxal to glycolic acid: dual activated 1,2-hydride shift mechanism by protonated Al(OH)₃ species. *Chemical Communications*, **2009**, 2688-90 5.8 15
- 34 Ni-Catalyzed Dimerization and Hydroperfluoroarylation of 1,3-Dienes. *Journal of Organic Chemistry*, **2018**, 83, 9267-9277 4.2 13
- 33 Cross-coupling Reaction of Alkyl Halides with Alkyl Grignard Reagents Catalyzed by Cp-Iron Complexes in the Presence of 1,3-Butadiene. *Chemistry Letters*, **2018**, 47, 763-766 1.7 11
- 32 Regioselective Cis Insertion of DMAD into Au-P Bonds: Effect of Auxiliary Ligands on the Reaction Mechanism. *Organometallics*, **2015**, 34, 1373-1376 3.8 10
- 31 Molecular Packing and Solid-State Photophysical Properties of 1,3,6,8-Tetraalkylpyrenes. *Chemistry - A European Journal*, **2019**, 25, 14817-14825 4.8 9
- 30 Palladium-catalyzed Insertion Reactions of Isocyanides into Thiocarbamates and Selenocarbamates. *Chemistry Letters*, **2015**, 44, 465-467 1.7 8
- 29 Copper-Catalyzed Regioselective Hydroalkylation of 1,3-Dienes with Alkyl Fluorides and Grignard Reagents. *Angewandte Chemie*, **2015**, 127, 9479-9482 3.6 8
- 28 σ -Bond Metathesis between M-X and RC(O)X? (M = Pt, Pd; X, X' = Cl, Br, I): Facile Determination of the Relative σ Values of the Oxidative Additions of RC(O)X to an M(0) Complex, Evidence by Density Functional Theory Calculations, and Synthetic Applications. *Organometallics*, **2013**, 32, 2026-2032 3.8 8
- 27 Palladium-catalyzed vinylselenation of allenes. *Tetrahedron*, **2012**, 68, 10523-10529 2.4 7
- 26 Nickel-Catalyzed Dimerization and Alkylarylation of 1,3-Dienes with Alkyl Fluorides and Aryl Grignard Reagents. *Angewandte Chemie*, **2016**, 128, 5640-5644 3.6 7
- 25 AlCl₃-catalyzed insertion of isocyanides into nitrogen-sulfur bonds of sulfenamides. *Tetrahedron Letters*, **2015**, 56, 1531-1534 2 6
- 24 Pivalic Acid-Assisted Rh(III)-Catalyzed C-H Functionalization of 2-Arylpyridine Derivatives Using Arylsilanes. *Asian Journal of Organic Chemistry*, **2019**, 8, 1344-1347 3 6
- 23 Halogen exchange by reaction of CpRu(Cl)(PPh₃)₂ with MeC(O)X (X = Br, I) and its mechanistic study. *Journal of Organometallic Chemistry*, **2014**, 769, 34-37 2.3 6
- 22 Copper-Catalyzed Amination of C(sp)-H bonds: From Anilides to Indolines. *Journal of Organic Chemistry*, **2020**, 85, 482-492 4.2 5
- 21 Effect of Alkyl Groups in Pyrene Chromophore on the Mechanical Response of Pyrene-Octafluoronaphthalene Co-Crystals. *Chemistry - an Asian Journal*, **2020**, 15, 1349-1354 4.5 4
- 20 The first example of palladium-catalyzed intermolecular allylaryloxylation of an internal alkyne by allyl aryl ethers. *Tetrahedron Letters*, **2011**, 52, 5501-5503 2 4
- 19 A Simple, General, and Highly Chemoselective Acetylation of Alcohols Using Ethyl Acetate as the Acetyl Donor Catalyzed by a Tetranuclear Zinc Cluster. *Synlett*, **2009**, 2009, 1659-1663 2.2 4

18	Structure of the Complex Ni(C ₈ H ₁₂)(L) and Its Reactivity toward Organometallic Reagents. <i>Organometallics</i> , 2019 , 38, 2701-2704	3.8	3
17	Facile Method of Halogen Exchange between Au(Cl)(L) and MeC(O)X (L = PPh ₃ and IPr; X = Br and I) via σ -Bond Metathesis Supported by DFT Calculation. <i>Chemistry Letters</i> , 2013 , 42, 831-832	1.7	3
16	Transition Metal Catalyzed Alkylation at sp ³ -, sp ² -, and sp-Carbons. <i>Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry</i> , 2011 , 69, 1271-1281	0.2	3
15	Synthesis of and Structural Insights into Contact Ion Pair and Solvent-Separated Ion Pair Diphenyliridate Complexes. <i>Organometallics</i> , 2020 , 39, 3077-3081	3.8	3
14	Synthesis of Cyclopropane Fatty Acids by C(sp ³) \rightarrow C(sp ³) Cross-Coupling Reaction and Formal Synthesis of γ -Mycolic Acid. <i>Advanced Synthesis and Catalysis</i> , 2018 , 360, 3810-3817	5.6	2
13	Palladium-Catalyzed Decarbonylative Rearrangement of α -Allenyl Seleno- and Tellurocarbamates. <i>Heteroatom Chemistry</i> , 2014 , 25, 518-524	1.2	2
12	Esterification 2012 , 1		2
11	Catalytic Functionalization of 1,3-Butadiene by Carbon Electrophiles. <i>Journal of the Japan Petroleum Institute</i> , 2020 , 63, 123-132	1	2
10	Development of Environmentally Benign Catalytic Reactions Using Tetranuclear Zinc Clusters. <i>Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry</i> , 2009 , 67, 494-506	0.2	2
9	Metal-ligand cooperative σ -pyrazolate Cp*Rh-catalysts for dehydrogenation of dimethylamine-borane at room temperature. <i>Dalton Transactions</i> , 2021 , 50, 7938-7943	4.3	2
8	A computational study of lithium cuprate mixed aggregates. <i>Journal of Physical Chemistry A</i> , 2012 , 116, 9027-32	2.8	1
7	Bio-inspired asymmetric aldehyde arylations catalyzed by rhodium-cyclodextrin self-inclusion complexes. <i>Organic and Biomolecular Chemistry</i> , 2021 ,	3.9	1
6	Catalytic Construction of Carbon Frameworks Employing Alkyl Fluorides as Electrophiles. <i>Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry</i> , 2020 , 78, 109-120	0.2	1
5	Palladium Catalyzed Intramolecular Vinylselenation and Vinylthiolation of Allenes. <i>Heterocycles</i> , 2015 , 90, 1323	0.8	0
4	2-Aryl-perfluorobenzoxazoles: synthesis, fluorescence properties and synthetic applications in cubic platinum nanoparticles. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 12545-12549	7.1	0
3	Development of Catalytic Carbon-Carbon Bond Formations Based on Composite Metal Catalysts. <i>Bulletin of Japan Society of Coordination Chemistry</i> , 2021 , 77, 11-25	0.3	
2	Titelbild: Nickel-Catalyzed Dimerization and Alkylarylation of 1,3-Dienes with Alkyl Fluorides and Aryl Grignard Reagents (Angew. Chem. 18/2016). <i>Angewandte Chemie</i> , 2016 , 128, 5435-5435	3.6	
1	Lithium Hexaphenylrhodate(III) and -Iridate(III): Structure in the Solid State and in Solution. <i>Organometallics</i> , 2021 , 40, 2489-2495	3.8	

