

# Takashi Niwa

## List of Publications by Year in descending order

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41  
papers

1,463  
citations

471509

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63  
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63  
docs citations

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times ranked

1413  
citing authors

#	ARTICLE	IF	CITATIONS
1	Copper-Catalyzed Regioselective Monodefluoroborylation of Polyfluoroalkenes en Route to Diverse Fluoroalkenes. <i>Journal of the American Chemical Society</i> , 2017, 139, 12855-12862.	13.7	212
2	Ni/Cu-Catalyzed Defluoroborylation of Fluoroarenes for Diverse C–F Bond Functionalizations. <i>Journal of the American Chemical Society</i> , 2015, 137, 14313-14318.	13.7	177
3	Palladium-Catalyzed Direct Arylation of Aryl(azaaryl)methanes with Aryl Halides Providing Triarylmethanes. <i>Organic Letters</i> , 2007, 9, 2373-2375.	4.6	143
4	Palladium-Catalyzed 2-Pyridylmethyl Transfer from 2-(2-Pyridyl)ethanol Derivatives to Organic Halides by Chelation-Assisted Cleavage of Unstrained Csp <sup>3</sup> –Csp <sup>3</sup> Bonds. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 2643-2645.	13.8	107
5	Rhodium-Catalyzed <i>ipso</i> -Borylation of Alkylthioarenes via C–S Bond Cleavage. <i>Organic Letters</i> , 2016, 18, 2758-2761.	4.6	89
6	Rhodium-Catalyzed Decarbonylative Borylation of Aromatic Thioesters for Facile Diversification of Aromatic Carboxylic Acids. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 2482-2486.	13.8	89
7	A Non-Heme Iron(III) Complex with Porphyrin-like Properties That Catalyzes Asymmetric Epoxidation. <i>Journal of the American Chemical Society</i> , 2012, 134, 13538-13541.	13.7	87
8	Palladium-Catalyzed Benzylic Arylation of <i>N</i> -Benzylxanthone Imine. <i>Organic Letters</i> , 2008, 10, 4689-4691.	4.6	57
9	Copper-Catalyzed <i>ipso</i> -Borylation of Fluoroarenes. <i>ACS Catalysis</i> , 2017, 7, 4535-4541.	11.2	55
10	Pd-catalyzed reductive cleavage of alkyl aryl sulfides with triethylsilane that is accelerated by trialkylsilyl chloride. <i>Tetrahedron Letters</i> , 2012, 53, 4313-4316.	1.4	42
11	Palladium-catalyzed benzylic direct arylation of benzyl sulfones with aryl halides. <i>Tetrahedron</i> , 2009, 65, 1971-1976.	1.9	41
12	Catalytic Asymmetric [4 + 2] Cycloadditions and Hosomi–Sakurai Reactions of $\alpha$ -Alkylidene $\beta$ -Keto Imides. <i>Organic Letters</i> , 2013, 15, 768-771.	4.6	40
13	Carbon–carbon bond formations at the benzylic positions of <i>N</i> -benzylxanthone imines and <i>N</i> -benzylidene-1-naphthyl ketone imine. <i>Tetrahedron</i> , 2009, 65, 5125-5131.	1.9	37
14	Rhodium-Catalyzed Decarbonylative Borylation of Aromatic Thioesters for Facile Diversification of Aromatic Carboxylic Acids. <i>Angewandte Chemie</i> , 2017, 129, 2522-2526.	2.0	24
15	Preparation of Imides via the Palladium-Catalyzed Coupling Reaction of Organoborons with Methyl <i>N</i> -[Methoxy(methylthio)methylene]carbamate as a One-Carbon Elongation Reaction. <i>Organic Letters</i> , 2012, 14, 6294-6297.	4.6	23
16	Facile Transformation of $\alpha,\beta$ -Unsaturated Carboxylic Acids to Alkenylboronic Esters via Rhodium-catalyzed Decarbonylative Borylation of $\alpha,\beta$ -Unsaturated Thioesters. <i>Chemistry Letters</i> , 2017, 46, 1315-1318.	1.3	23
17	Palladium-Catalyzed 2-Pyridylmethyl Transfer from 2-(2-Pyridyl)ethanol Derivatives to Organic Halides by Chelation-Assisted Cleavage of Unstrained C–C Bonds. <i>Angewandte Chemie</i> , 2007, 119, 2697-2699.		22
18	Lewis acid-mediated Suzuki–Miyaura cross-coupling reaction. <i>Nature Catalysis</i> , 2021, 4, 1080-1088.	34.4	19

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19	Palladium-Catalyzed (2-Oxo-2-pyridinyl)methyl Transfer from 2-(2-Hydroxyalkyl)pyridine Oxide to Aryl Halides by $\beta$ -Carbon Elimination. <i>Chemistry - an Asian Journal</i> , 2009, 4, 1217-1220.	3.3	17
20	Synthesis of cycloalkanone-fused cyclopropanes by Au(I)-catalyzed oxidative ene-yne cyclizations. <i>Tetrahedron Letters</i> , 2014, 55, 6847-6850.	1.4	17
21	Indolizines Enabling Rapid Uncaging of Alcohols and Carboxylic Acids by Red Light-Induced Photooxidation. <i>Organic Letters</i> , 2020, 22, 5434-5438.	4.6	15
22	Palladium(ii)-mediated rapid 11C-cyanation of (hetero)arylborons. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 7711-7716.	2.8	14
23	Molecular Renovation Strategy for Expeditious Synthesis of Molecular Probes. <i>Bulletin of the Chemical Society of Japan</i> , 2020, 93, 230-248.	3.2	13
24	Highly enantioselective catalytic asymmetric Mukaiyama-Michael reactions of cyclic $\beta$ -alkylidene $\beta$ -oxo imides. <i>Tetrahedron: Asymmetry</i> , 2015, 26, 262-270.	1.8	12
25	Synthesis of (2,2-Diborylvinyl)arenes by Rhodium-Catalyzed Desulfanylation <i>gem</i> -Diborylation of 2-Arylvinyl Sulfides. <i>Organic Letters</i> , 2019, 21, 4933-4938.	4.6	12
26	Stereoinversion of Stereocongested Carbocyclic Alcohols via Triflylation and Subsequent Treatment with Aqueous N,N-Dimethylformamide. <i>Organic Letters</i> , 2016, 18, 5982-5985.	4.6	10
27	PREPARATION OF IMIDES VIA THE PALLADIUM-CATALYZED COUPLING REACTION OF ORGANOSTANNANES WITH METHYL N-[METHOXY(METHYLTHIO)METHYLENE]CARBAMATE. <i>Heterocycles</i> , 2013, 87, 827.	0.7	8
28	Direct 3-Acylation of Indolizines by Carboxylic Acids for the Practical Synthesis of Red Light-Releasable Caged Carboxylic Acids. <i>Journal of Organic Chemistry</i> , 2021, 86, 11822-11834.	3.2	8
29	Synthesis and characterization of a new C2-symmetrical chiral tridentate N-heterocyclic carbene ligand coordinated Cr(III) complex. <i>Tetrahedron: Asymmetry</i> , 2015, 26, 158-162.	1.8	7
30	Convergent Synthesis of Fluoroalkenes Using a Dual-Reactive Unit. <i>Journal of Organic Chemistry</i> , 2021, 86, 1622-1632.	3.2	7
31	Structure-activity relationship for the folding intermediate-selective inhibition of DYRK1A. <i>European Journal of Medicinal Chemistry</i> , 2022, 227, 113948.	5.5	6
32	Quantification of aromatase binding in the female human brain using [ <sup>11</sup> C]cetrozole positron emission tomography. <i>Journal of Neuroscience Research</i> , 2020, 98, 2208-2218.	2.9	5
33	Defluoroborylation Reactions of Fluoroarenes. <i>Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry</i> , 2019, 77, 883-894.	0.1	5
34	Azido-type-selective triazole formation by iridium-catalyzed cycloaddition with thioalkynes. <i>Chemical Communications</i> , 2022, , .	4.1	4
35	Quantification of receptor activation by oxytocin and vasopressin in endocytosis-coupled bioluminescence reduction assay using nanoKAZ. <i>Analytical Biochemistry</i> , 2018, 549, 174-183.	2.4	3
36	Clinical evaluation of [ <sup>18</sup> F]pitavastatin for quantitative analysis of hepatobiliary transporter activity. <i>Drug Metabolism and Pharmacokinetics</i> , 2022, 44, 100449.	2.2	3

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37	Synthetic Organic Reactions with Photoredox Catalysis and Visible Light. Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry, 2010, 68, 1307-1308.	0.1	2
38	Practical Synthesis of [ <sup>18</sup> F]Pitavastatin and Evaluation of Hepatobiliary Transport Activity in Rats by Positron Emission Tomography. Molecular Pharmaceutics, 2020, 17, 1884-1898.	4.6	1
39	Divergent Synthesis of Photoaffinity Probe Candidates by Click Reactions of Azido-Substituted Aryltrifluoromethyl diazirines. Heterocycles, 2019, 99, 1366.	0.7	1
40	Expression and purification of DYRK1A kinase domain in complex with its folding intermediate-selective inhibitor FINDY. Protein Expression and Purification, 2022, 195-196, 106089.	1.3	1
41	Development of Small Molecule-Based PET Probes. Nippon Laser Igakkaishi, 2017, 37, 465-472.	0.0	0