

# Masayuki Wasa

## List of Publications by Year in descending order

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38  
papers

9,125  
citations

136740

32  
h-index

315357

38  
g-index

40  
all docs

40  
docs citations

40  
times ranked

5512  
citing authors

#	ARTICLE	IF	CITATIONS
1	Weak Coordination as a Powerful Means for Developing Broadly Useful C–H Functionalization Reactions. <i>Accounts of Chemical Research</i> , 2012, 45, 788-802.	7.6	2,513
2	Palladium-Catalyzed Transformations of Alkyl C–H Bonds. <i>Chemical Reviews</i> , 2017, 117, 8754-8786.	23.0	1,660
3	Synthesis of $\beta^2$ -, $\beta^3$ -, and $\beta^1$ -Lactams via Pd(II)-Catalyzed C–H Activation Reactions. <i>Journal of the American Chemical Society</i> , 2008, 130, 14058-14059.	6.6	472
4	Pd(II)-Catalyzed Cross-Coupling of $sp^3$ C–H Bonds with $sp^2$ and $sp^3$ Boronic Acids Using Air as the Oxidant. <i>Journal of the American Chemical Society</i> , 2008, 130, 7190-7191.	6.6	461
5	Pd(II)-Catalyzed Enantioselective C–H Activation of Cyclopropanes. <i>Journal of the American Chemical Society</i> , 2011, 133, 19598-19601.	6.6	370
6	Pd(II)-Catalyzed Olefination of $sp^3$ C–H Bonds. <i>Journal of the American Chemical Society</i> , 2010, 132, 3680-3681.	6.6	356
7	Pd(0)/PR <sub>3</sub> -Catalyzed Intermolecular Arylation of $sp^3$ C–H Bonds. <i>Journal of the American Chemical Society</i> , 2009, 131, 9886-9887.	6.6	300
8	Pd(II)-Catalyzed Ortho Trifluoromethylation of Arenes and Insights into the Coordination Mode of Acidic Amide Directing Groups. <i>Journal of the American Chemical Society</i> , 2012, 134, 11948-11951.	6.6	285
9	Pd(II)-Catalyzed Carbonylation of $C(sp^3)$ –H Bonds: A New Entry to 1,4-Dicarbonyl Compounds. <i>Journal of the American Chemical Society</i> , 2010, 132, 17378-17380.	6.6	267
10	Palladium(II)-Catalyzed Enantioselective $C(sp^3)$ –H Activation Using a Chiral Hydroxamic Acid Ligand. <i>Journal of the American Chemical Society</i> , 2014, 136, 8138-8142.	6.6	231
11	Ligand-Enabled Methylene $C(sp^3)$ –H Bond Activation with a Pd(II) Catalyst. <i>Journal of the American Chemical Society</i> , 2012, 134, 18570-18572.	6.6	230
12	Pd <sup>0</sup> /PR <sub>3</sub> -Catalyzed Arylation of Nicotinic and Isonicotinic Acid Derivatives. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 1275-1277.	7.2	224
13	Ligand-enabled cross-coupling of $C(sp^3)$ –H bonds with arylboron reagents via Pd(II)/Pd(0) catalysis. <i>Nature Chemistry</i> , 2014, 6, 146-150.	6.6	212
14	Palladium(0)-Catalyzed Alkynylation of $C(sp^3)$ –H Bonds. <i>Journal of the American Chemical Society</i> , 2013, 135, 3387-3390.	6.6	191
15	Cross-Coupling of $C(sp^3)$ –H Bonds with Organometallic Reagents via Pd(II)/Pd(0) Catalysis. <i>Israel Journal of Chemistry</i> , 2010, 50, 605-616.	1.0	141
16	C–H Functionalization of Amines via Alkene-Derived Nucleophiles through Cooperative Action of Chiral and Achiral Lewis Acid Catalysts: Applications in Enantioselective Synthesis. <i>Journal of the American Chemical Society</i> , 2018, 140, 10593-10601.	6.6	98
17	Frustrated Lewis Acid/Brønsted Base Catalysts for Direct Enantioselective $\beta$ -Amination of Carbonyl Compounds. <i>Journal of the American Chemical Society</i> , 2017, 139, 95-98.	6.6	96
18	Catalytic Deuterium Incorporation within Metabolically Stable $\beta$ -Amino C–H Bonds of Drug Molecules. <i>Journal of the American Chemical Society</i> , 2019, 141, 14570-14575.	6.6	87

#	ARTICLE	IF	CITATIONS
19	Understanding the Reactivity of Pd <sup>0</sup> /PR <sub>3</sub> -Catalyzed Intermolecular C(sp <sup>3</sup> )â€”H Bond Arylation. <i>Journal of the American Chemical Society</i> , 2013, 135, 14206-14214.	6.6	77
20	Enantioselective Conia-Ene-Type Cyclizations of Alkynyl Ketones through Cooperative Action of B(C <sub>6</sub> F <sub>5</sub> ) <sub>3</sub> , <i>N</i> -Alkylamine and a Zn-Based Catalyst. <i>Journal of the American Chemical Society</i> , 2019, 141, 4199-4203.	6.6	75
21	Converting gem-Dimethyl Groups into Cyclopropanes via Pd-Catalyzed Sequential Câ€”H Activation and Radical Cyclization. <i>Organic Letters</i> , 2006, 8, 5685-5688.	2.4	66
22	Enantioselective Direct Mannichâ€”Type Reactions Catalyzed by Frustrated Lewis Acid/Brønsted Base Complexes. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 13338-13341.	7.2	63
23	Asymmetric Mannich Synthesis of $\beta$ -Amino Esters by Anion-Binding Catalysis. <i>Journal of the American Chemical Society</i> , 2014, 136, 12872-12875.	6.6	62
24	Direct Mannichâ€”Type Reactions Promoted by Frustrated Lewis Acid/Brønsted Base Catalysts. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 13877-13881.	7.2	59
25	Amide-directed arylation of sp <sup>3</sup> Câ€”H bonds using Pd(II) and Pd(0) catalysts. <i>Tetrahedron</i> , 2010, 66, 4811-4815.	1.0	51
26	Enantioselective Synthesis of $\beta$ -Allyl Amino Esters via Hydrogen-Bond-Donor Catalysis. <i>Journal of the American Chemical Society</i> , 2019, 141, 11414-11419.	6.6	47
27	Direct Conversion of <i>N</i> -Alkylamines to <i>N</i> -Propargylamines through Câ€”H Activation Promoted by Lewis Acid/Organocopper Catalysis: Application to Late-Stage Functionalization of Bioactive Molecules. <i>Journal of the American Chemical Society</i> , 2020, 142, 16493-16505.	6.6	45
28	Pd(II)-catalyzed Cross-coupling of C(sp <sup>2</sup> )â€”H Bonds and Alkylâ€”, Arylâ€”, and Vinylâ€”Boron Reagents via Pd(II)/Pd(0) Catalysis. <i>Chemistry Letters</i> , 2011, 40, 1004-1006.	0.7	43
29	Enantioselective Synthesis of <i>N</i> -Alkylamines through $\beta$ -Amino Câ€”H Functionalization Promoted by Cooperative Actions of B(C <sub>6</sub> F <sub>5</sub> ) <sub>3</sub> and a Chiral Lewis Acid Co-Catalyst. <i>Journal of the American Chemical Society</i> , 2021, 143, 2441-2455.	6.6	43
30	B(C <sub>6</sub> F <sub>5</sub> ) <sub>3</sub> -Catalyzed Câ€”H Alkylation of <i>N</i> -Alkylamines Using Silicon Enolates without External Oxidant. <i>Organic Letters</i> , 2019, 21, 984-988.	2.4	41
31	Enantioselective synthesis of tertiary $\beta$ -chloro esters by non-covalent catalysis. <i>Tetrahedron Letters</i> , 2015, 56, 3428-3430.	0.7	40
32	B(C <sub>6</sub> F <sub>5</sub> ) <sub>3</sub> -Catalyzed $\beta$ -Deuteration of Bioactive Carbonyl Compounds with D <sub>2</sub> O. <i>Advanced Synthesis and Catalysis</i> , 2020, 362, 360-364.	2.1	24
33	Enantioselective Direct Mannichâ€”Type Reactions Catalyzed by Frustrated Lewis Acid/Brønsted Base Complexes. <i>Angewandte Chemie</i> , 2017, 129, 13523-13526.	1.6	18
34	Direct Mannichâ€”Type Reactions Promoted by Frustrated Lewis Acid/Brønsted Base Catalysts. <i>Angewandte Chemie</i> , 2016, 128, 14081-14085.	1.6	16
35	Enantioselective Organocopper-Catalyzed Hetero Dielsâ€”Alder Reaction through <i>in Situ</i> Oxidation of Ethers into Enol Ethers. <i>Journal of the American Chemical Society</i> , 2022, 144, 6173-6179.	6.6	8
36	Sequential Conia-ene-type cyclization and Negishi coupling by cooperative functions of B(C <sub>6</sub> F <sub>5</sub> ) <sub>3</sub> , ZnI <sub>2</sub> , Pd(PPh <sub>3</sub> ) <sub>4</sub> and an amine. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 7090-7093.	1.5	3

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37	Enantioselective Cooperative Catalysis within Frustrated Lewis Pair Complexes. Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry, 2021, 79, 1065-1072.	0.0	2
38	Asymmetric C-H Bond Functionalization. , 2013, , 267-272.		0