

# Masato Ohashi

## List of Publications by Year in descending order

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83  
papers

4,147  
citations

94269

37  
h-index

123241

61  
g-index

101  
all docs

101  
docs citations

101  
times ranked

2765  
citing authors

#	ARTICLE	IF	CITATIONS
1	Overlooked Factors Required for Electrolyte Solvents in Li <sup>+</sup> O <sub>2</sub> Batteries: Capabilities of Quenching <sup>1</sup> O <sub>2</sub> and Forming Highly Decomposable Li <sub>2</sub> O <sub>2</sub> . <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	12
2	Room-Temperature Reversible Chemisorption of Carbon Monoxide on Nickel(0) Complexes. <i>Journal of the American Chemical Society</i> , 2022, 144, 8818-8826.	6.6	7
3	CsF-Catalyzed Fluoroacylation of Tetrafluoroethylene Using Acyl Fluorides for the Synthesis of Pentafluoroethyl Ketones. <i>Synthesis</i> , 2021, 53, 3137-3143.	1.2	2
4	Synthesis of Fluoroalkyl Sulfides via Additive-Free Hydrothiolation and Sequential Functionalization Reactions. <i>Journal of Organic Chemistry</i> , 2021, 86, 6015-6024.	1.7	8
5	Development and Mechanistic Studies of ( <i>E</i> )-Selective Isomerization/Tandem Hydroarylation Reactions of Alkenes with a Nickel(0)/Phosphine Catalyst. <i>ACS Catalysis</i> , 2021, 11, 6741-6749.	5.5	24
6	<i>N</i> -Phosphine Oxide-Substituted Imidazolylidenes (PoxIms) as Multifunctional Multipurpose <i>N</i> -Heterocyclic Carbenes. <i>Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry</i> , 2021, 79, 632-641.	0.0	0
7	Sm(II)-mediated Single-electron Reduction of Pentafluorophenylcopper(I). <i>Chemistry Letters</i> , 2021, 50, 1394-1396.	0.7	0
8	A boron-transfer mechanism mediating the thermally induced revival of frustrated carbene-borane pairs from their shelf-stable adducts. <i>Communications Chemistry</i> , 2021, 4, .	2.0	3
9	Development of Metal Complexes Equipped with Structurally Flexible Carbenes. <i>Bulletin of the Chemical Society of Japan</i> , 2021, 94, 327-338.	2.0	8
10	Enantioselective Synthesis of Polycyclic <sup>3</sup> -Lactams with Multiple Chiral Carbon Centers via Ni(0)-Catalyzed Asymmetric Carbonylative Cycloadditions without Stirring. <i>Journal of the American Chemical Society</i> , 2020, 142, 1594-1602.	6.6	52
11	Axial Chirality around N=P Bonds Induced by Complexation between E(C <sub>6</sub> F <sub>5</sub> ) <sub>3</sub> (E = B, Al) and an <i>N</i> -Phosphine Oxide-Substituted Imidazolylidene: A Key Intermediate in the Catalytic Phosphinoylation of CO <sub>2</sub> . <i>Journal of Organic Chemistry</i> , 2020, 85, 14333-14341.	1.7	9
12	Catalytic Synthesis of Isoquinolines via Intramolecular Migration of <i>N</i> -Aryl Sulfonyl Groups on 1,5-Yne-Imines. <i>Bulletin of the Chemical Society of Japan</i> , 2020, 93, 182-186.	2.0	4
13	Direct Transformation of Tetrafluoroethylene to Trifluorovinylzinc via sp <sup>2</sup> C-F Bond Activation. <i>Organic Letters</i> , 2020, 22, 8167-8172.	2.4	8
14	Cleavage of C(sp <sup>3</sup> )-F Bonds in Trifluoromethylarenes Using a Bis(NHC)nickel(0) Complex. <i>Journal of the American Chemical Society</i> , 2020, 142, 19360-19367.	6.6	59
15	Rotation-Triggered Transmetalation on a Heterobimetallic Cu/Al <i>N</i> -Phosphine-Oxide-Substituted Imidazolylidene Complex. <i>Journal of the American Chemical Society</i> , 2020, 142, 9772-9784.	6.6	18
16	Complexation between MOTf (M = Li and Na) and <i>N</i> -Phosphine Oxide-substituted Imidazolylidenes via Coordination of the <i>N</i> -Phosphoryl Groups. <i>Chemistry Letters</i> , 2019, 48, 230-233.	0.7	10
17	Nickel-catalyzed decarbonylation of <i>N</i> -acylated <i>N</i> -heteroarenes. <i>Chemical Science</i> , 2019, 10, 6666-6671.	3.7	40
18	Triarylborane-Catalyzed Reductive <i>N</i> -Alkylation of Amines: A Perspective. <i>ACS Catalysis</i> , 2019, 9, 5439-5444.	5.5	38

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19	Ni(0)-Catalyzed Three-Component Coupling Reaction of Tetrafluoroethylene and N-Sulfonyl-Substituted Imines with Silanes via Aza-Nickelacycles. <i>Organic Letters</i> , 2019, 21, 851-856.	2.4	18
20	Nickel-Catalyzed Three-Component Coupling Reaction of Tetrafluoroethylene and Aldehydes with Silanes via Oxa-Nickelacycles. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 1883-1887.	1.2	11
21	Fluorinated Vinylsilanes from the Copper-Catalyzed Defluorosilylation of Fluoroalkene Feedstocks. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 328-332.	7.2	116
22	Selective Catalytic Formation of Cross-Tetramers from Tetrafluoroethylene, Ethylene, Alkynes, and Aldehydes via Nickelacycles as Key Reaction Intermediates. <i>Journal of the American Chemical Society</i> , 2018, 140, 17423-17427.	6.6	21
23	Cu <sup>I</sup> -Catalyzed Pentafluoroethylation of Aryl Iodides in the Presence of Tetrafluoroethylene and Cesium Fluoride: Determining the Route to the Key Pentafluoroethyl Cu <sup>I</sup> Intermediate. <i>Chemistry - A European Journal</i> , 2018, 24, 9794-9798.	1.7	36
24	Strain-Induced Double Carbon-Carbon Bond Activations of Cycloparaphenylenes by a Platinum Complex: Application to the Synthesis of Cyclic Diketones. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 11418-11421.	7.2	22
25	Nickel(0)-Mediated Transformation of Tetrafluoroethylene and Vinylarenes into Fluorinated Cyclobutyl Compounds. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 2435-2439.	7.2	34
26	Efficient Synthesis of Polycyclic $\beta$ -Lactams by Catalytic Carbonylation of Ene-Imines via Nickelacycle Intermediates. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 8206-8210.	7.2	43
27	Synthesis and Reactivity of Fluoroalkyl Copper Complexes by the Oxycupration of Tetrafluoroethylene. <i>Angewandte Chemie</i> , 2017, 129, 12073-12077.	1.6	13
28	Transition-Metal-Free Catalytic Hydrodefluorination of Polyfluoroarenes by Concerted Nucleophilic Aromatic Substitution with a Hydrosilicate. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 16191-16196.	7.2	62
29	Titelbild: Synthesis and Reactivity of Fluoroalkyl Copper Complexes by the Oxycupration of Tetrafluoroethylene ( <i>Angew. Chem.</i> 39/2017). <i>Angewandte Chemie</i> , 2017, 129, 12178-12178.	1.6	0
30	Copper-Catalyzed Regioselective Monodefluoroborylation of Polyfluoroalkenes en Route to Diverse Fluoroalkenes. <i>Journal of the American Chemical Society</i> , 2017, 139, 12855-12862.	6.6	212
31	Synthesis and Reactivity of Fluoroalkyl Copper Complexes by the Oxycupration of Tetrafluoroethylene. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 11911-11915.	7.2	37
32	<i>N</i> -Phosphine Oxide-Substituted Imidazolylidenes (Poxlms): Multifunctional Multipurpose Carbenes. <i>Chemistry - A European Journal</i> , 2017, 23, 15238-15243.	1.7	26
33	Nickel-Catalyzed Formation of 1,3-Dienes via a Highly Selective Cross-Tetramerization of Tetrafluoroethylene, Styrenes, Alkynes, and Ethylene. <i>Journal of the American Chemical Society</i> , 2017, 139, 17795-17798.	6.6	32
34	Frontispiece: <i>N</i> -Phosphine Oxide-Substituted Imidazolylidenes (Poxlms): Multifunctional Multipurpose Carbenes. <i>Chemistry - A European Journal</i> , 2017, 23, .	1.7	0
35	Two-step synthesis of chiral fused tricyclic scaffolds from phenols via desymmetrization on nickel. <i>Nature Communications</i> , 2017, 8, 32.	5.8	64
36	Kinetic and Theoretical Studies on Ni <sup>0</sup> /N-Heterocyclic Carbene-Catalyzed Intramolecular Alkene Hydroacylation. <i>Chemistry - an Asian Journal</i> , 2017, 12, 278-282.	1.7	12

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37	Highly Atom Economical Molecular Transformation via Hetero-Nickelacycle. Bulletin of the Chemical Society of Japan, 2017, 90, 1401-1406.	2.0	25
38	Transition-Metal Mediated Transformations of Tetrafluoroethylene into Various Polyfluorinated Organic Compounds. Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry, 2016, 74, 1047-1057.	0.0	15
39	Nickel-Catalyzed Enantioselective Synthesis of Cyclobutenes via [2+2] Cycloaddition of $\hat{\text{I}}^{\pm}, \hat{\text{I}}^2$ -Unsaturated Carbonyls with 1,3-Enynes. Synthesis, 2016, 48, 2789-2794.	1.2	25
40	Strategic Utilization of Multifunctional Carbene for Direct Synthesis of Carboxylic $\hat{\text{C}}$ -Phosphinic Mixed Anhydride from $\text{CO}_2$ . Angewandte Chemie - International Edition, 2016, 55, 16075-16079.	7.2	28
41	Nickel(0)-catalyzed intramolecular reductive coupling of alkenes and aldehydes or ketones with hydrosilanes. Chemical Communications, 2016, 52, 6237-6240.	2.2	28
42	Copper-Catalyzed Reaction of Trifluoromethylketones with Aldehydes via a Copper Difluoroenolate. Angewandte Chemie - International Edition, 2016, 55, 341-344.	7.2	71
43	A Strategy to Control the Reactivation of Frustrated Lewis Pairs from Shelf-Stable Carbene Borane Complexes. Angewandte Chemie - International Edition, 2015, 54, 11666-11671.	7.2	39
44	Pentacoordinated Carboxylate $\hat{\text{C}}$ -Allyl Nickel Complexes as Key Intermediates for the Ni-Catalyzed Direct Amination of Allylic Alcohols. Chemistry - A European Journal, 2015, 21, 14571-14578.	1.7	66
45	Synthesis, Characterization, and Unique Catalytic Activities of a Fluorinated Nickel Enolate. Journal of the American Chemical Society, 2015, 137, 3276-3282.	6.6	55
46	Nickel-Catalyzed Formation of Fluorine-Containing Ketones via the Selective Cross-Trimerization Reaction of Tetrafluoroethylene, Ethylene, and Aldehydes. Journal of the American Chemical Society, 2015, 137, 6496-6499.	6.6	65
47	Catalytic Transformation of Aldehydes with Nickel Complexes through $\hat{\text{I}}^{2+}$ Coordination and Oxidative Cyclization. Accounts of Chemical Research, 2015, 48, 1746-1755.	7.6	96
48	Aza-nickelacycle key intermediate in nickel(0)-catalyzed transformation reactions. Dalton Transactions, 2015, 44, 12060-12073.	1.6	24
49	Nickel(0)-Heterocyclic Carbene-Catalyzed Asymmetric [2 + 2 + 2] Cycloaddition of Two Enones and an Alkyne: Access to Cyclohexenes with Four Contiguous Stereogenic Centers. Organic Letters, 2015, 17, 6018-6021.	2.4	34
50	Nickel-Catalyzed Synthesis of $\hat{\text{N}}$ -Aryl-1,2-dihydropyridines by [2+2+2] Cycloaddition of Imines with Alkynes through $\hat{\text{T}}$ -Shaped $\hat{\text{I}}$ -Electron Aza-Nickelacycle Key Intermediates. Chemistry - A European Journal, 2014, 20, 4105-4110.	1.7	51
51	Regioselective $\text{C}\hat{\text{I}}_2\text{F}$ Bond Activation of Hexafluoropropylene on Palladium(0): Formation of a Cationic $\hat{\text{I}}^{2+}$ -Perfluoroallylpalladium Complex. Angewandte Chemie - International Edition, 2014, 53, 13578-13582.	7.2	38
52	Palladium-Catalyzed Cross-Coupling Reactions of Perfluoro Organic Compounds. Catalysts, 2014, 4, 321-345.	1.6	15
53	Nickel(0)-Catalyzed [2 + 2 + 1] Carbonylative Cycloaddition of Imines and Alkynes or Norbornene Leading to $\hat{\text{I}}^3$ -Lactams. Journal of the American Chemical Society, 2014, 136, 15877-15880.	6.6	95
54	Fluoroalkylcopper(I) Complexes Generated by the Carbocupration of Tetrafluoroethylene: Construction of a Tetrafluoroethylene-Bridging Structure. Journal of the American Chemical Society, 2014, 136, 15158-15161.	6.6	65

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55	Palladium-Catalyzed Base-Free Suzuki-Miyaura Coupling Reactions of Fluorinated Alkenes and Arenes via a Palladium Fluoride Key Intermediate. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 443-447.	1.2	118
56	Nickel-Catalyzed Intermolecular [2 + 2] Cycloaddition of Conjugated Enynes with Alkenes. <i>Journal of the American Chemical Society</i> , 2012, 134, 15692-15695.	6.6	119
57	Metalloenoids of platinum: Syntheses and structures of triangular triplatinum sandwich complexes of cycloheptatrienyl. <i>Chemical Science</i> , 2011, 2, 117-122.	3.7	51
58	Nickel-Catalyzed Selective Conversion of Two Different Aldehydes to Cross-Coupled Esters. <i>Journal of the American Chemical Society</i> , 2011, 133, 4668-4671.	6.6	110
59	Palladium-Catalyzed Coupling Reactions of Tetrafluoroethylene with Arylzinc Compounds. <i>Journal of the American Chemical Society</i> , 2011, 133, 3256-3259.	6.6	167
60	Nickel-Catalyzed [2 + 2 + 2] Cycloaddition of Two Enones and an Alkyne. <i>Organic Letters</i> , 2010, 12, 3450-3452.	2.4	72
61	Nickel-catalyzed Tishchenko reaction via hetero-nickelacycles by oxidative cyclization of aldehydes with nickel(0) complex. <i>Chemical Communications</i> , 2010, 46, 3354.	2.2	66
62	Nickel-Catalyzed Direct Conjugate Addition of Simple Alkenes to Enones. <i>Journal of the American Chemical Society</i> , 2009, 131, 10350-10351.	6.6	74
63	Ni(0)-Catalyzed Formation of Azaaluminacyclopentenes via Azanickelacyclopentenes: A Unique Nickel/Aluminum Double Transmetalation Reaction. <i>Journal of the American Chemical Society</i> , 2009, 131, 9160-9161.	6.6	45
64	Hetero-Nickelacycles as Key Reaction Intermediate in Catalytic Reactions. <i>Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry</i> , 2009, 67, 507-516.	0.0	7
65	Nickeladihydrofuran. Key intermediate for nickel-catalyzed reaction of alkyne and aldehyde. <i>Chemical Communications</i> , 2008, , 1347.	2.2	91
66	Formation of acylruthenium promoted by coordination of AlMe <sub>3</sub> to (1-4-cyclopentadienone)Ru(CO) <sub>3</sub> . <i>Dalton Transactions</i> , 2008, , 2232.	1.6	5
67	Nickel-catalyzed [2+2+2] cycloaddition of two alkynes and an imine. <i>Pure and Applied Chemistry</i> , 2008, 80, 1115-1125.	0.9	28
68	Linear Metal-Metal-Bonded Tetranuclear M-Mo-Mo-M Complexes (M = Ir and Rh): Oxidative Metal-Metal Bond Formation in a Tetrametallic System and 1,4-Addition Reaction of Alkyl Halides. <i>Inorganic Chemistry</i> , 2007, 46, 6702-6714.	1.9	22
69	Tetraplatinum precursors for supramolecular assemblies: syntheses, crystal structures, and stereoselective self-assemblies of [Pt <sub>4</sub> (1/4-OCOCH <sub>3</sub> ) <sub>6</sub> (1/4-N <sub>4</sub> -DArBp)] (DArBp = ) <i>ETQq1 1 0.784314 rgBT /Overlap 10 Tf 501177 Td</i>		
70	Formation of an Aza-nickelacycle by Reaction of an Imine and an Alkyne with Nickel(0): Oxidative Cyclization, Insertion, and Reductive Elimination. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 4930-4932.	7.2	98
71	Reversible Carbon-Carbon Bond Formation between 1,3-Dienes and Aldehyde or Ketone on Nickel(0). <i>Journal of the American Chemical Society</i> , 2006, 128, 7077-7086.	6.6	141
72	Formation of Nickeladihydropyran by Oxidative Addition of Cyclopropyl Ketone. Key Intermediate in Nickel-Catalyzed Cycloaddition. <i>Journal of the American Chemical Society</i> , 2006, 128, 5350-5351.	6.6	120

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73	AlMe <sub>3</sub> -Promoted Oxidative Cyclization of $\eta^2$ -Alkene and $\eta^2$ -Ketone on Nickel(0). Observation of Intermediate in Methyl Transfer Process. <i>Journal of the American Chemical Society</i> , 2005, 127, 12810-12811.	6.6	126
74	Dimerization of terminal alkynes catalyzed by a nickel complex having a bulky phosphine ligand. <i>Chemical Communications</i> , 2004, , 2732.	2.2	111
75	Direct Observation of Oxidative Cyclization of $\eta^2$ -Alkene and $\eta^2$ -Aldehyde on Ni(0) Center. Significant Acceleration by Addition of Me <sub>3</sub> SiOTf. <i>Journal of the American Chemical Society</i> , 2004, 126, 11802-11803.	6.6	128
76	Synthesis, Structure, and Reactivity of a $\eta^3$ -1-Hydroxyallyl Complex: $\delta$ -Protonation of an $\eta^2$ -Unsaturated Carbonyl Compound Bound to Palladium(0) and Platinum(0). <i>Journal of the American Chemical Society</i> , 2003, 125, 9020-9021.	6.6	23
77	Palladium/Me <sub>3</sub> SiOTf-Catalyzed Bis-silylation of $\eta^2$ -Unsaturated Carbonyl Compounds without Involving Oxidative Addition of Disilane. <i>Journal of the American Chemical Society</i> , 2002, 124, 11598-11599.	6.6	66
78	Novel Role of Carbon Monoxide as a Lewis Acid Catalyst for Friedel-Crafts Reaction. <i>Journal of the American Chemical Society</i> , 2001, 123, 8626-8627.	6.6	25
79	Carbon-Carbon Bond Formation by Electrophilic Addition at the Central Carbon of the $\eta^4$ - $\eta^3$ -Allenyl/Propargyl Ligand on the Pd-Pd Bond. <i>Journal of the American Chemical Society</i> , 2001, 123, 3223-3228.	6.6	30
80	Coordination of Lewis Acid to $\eta^2$ -Enonepalladium(0) Leading to Continuous Structure Variation from $\eta^2$ -Olefin Type to $\eta^3$ -Allyl Type. <i>Journal of the American Chemical Society</i> , 2001, 123, 1944-1950.	6.6	42
81	Synthesis, Structure, and Reactivity of Neutral $\eta^3$ -Propargylpalladium Complexes. <i>Journal of the American Chemical Society</i> , 1998, 120, 1938-1939.	6.6	113
82	Novel syn oxidative addition of allylic halides to olefin complexes of palladium(0) and platinum(0). <i>Journal of the American Chemical Society</i> , 1992, 114, 8417-8424.	6.6	97
83	Other Reactions of Allylpalladium and Related Derivatives: Cycloaddition Reactions of Allylpalladium and Related Derivatives. , 0, , 1995-2009.		3