

# Sensuke Ogoshi

## List of Publications by Citations

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176  
papers

6,339  
citations

49  
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69  
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222  
ext. papers

7,036  
ext. citations

8.1  
avg, IF

6.1  
L-index

#	Paper	IF	Citations
176	Intramolecular arylocyanation of alkenes catalyzed by nickel/AlMe <sub>2</sub> Cl. <i>Journal of the American Chemical Society</i> , <b>2008</b> , 130, 12874-5	16.4	227
175	Nickel/Lewis acid-catalyzed cyanoesterification and cyanocarbonylation of alkynes. <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 10070-7	16.4	166
174	Copper-Catalyzed Regioselective Monodefluoroborylation of Polyfluoroalkenes en Route to Diverse Fluoroalkenes. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 12855-12862	16.4	145
173	Palladium-catalyzed coupling reactions of tetrafluoroethylene with arylzinc compounds. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 3256-9	16.4	139
172	Reversible carbon-carbon bond formation between 1,3-dienes and aldehyde or ketone on nickel(0). <i>Journal of the American Chemical Society</i> , <b>2006</b> , 128, 7077-86	16.4	126
171	Direct observation of oxidative cyclization of eta <sup>2</sup> -alkene and eta <sup>2</sup> -aldehyde on Ni(0) center. Significant acceleration by addition of Me <sub>3</sub> SiOTf. <i>Journal of the American Chemical Society</i> , <b>2004</b> , 126, 11802-3	16.4	121
170	Nickel-catalyzed dehydrogenative [4 + 2] cycloaddition of 1,3-dienes with nitriles. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 18018-21	16.4	115
169	AlMe <sub>3</sub> -promoted oxidative cyclization of eta <sup>2</sup> -alkene and eta <sup>2</sup> -ketone on nickel(0). Observation of intermediate in methyl transfer process. <i>Journal of the American Chemical Society</i> , <b>2005</b> , 127, 12810-1	16.4	115
168	Formation of nickeladhydropyran by oxidative addition of cyclopropyl ketone. Key intermediate in nickel-catalyzed cycloaddition. <i>Journal of the American Chemical Society</i> , <b>2006</b> , 128, 5350-1	16.4	111
167	Novel dependency of stereochemistry upon metal, ligand, and solvent in oxidative addition of allylic chloride to palladium(0) and platinum(0) complexes. <i>Journal of the American Chemical Society</i> , <b>1990</b> , 112, 2813-2814	16.4	104
166	Nickel-catalyzed selective conversion of two different aldehydes to cross-coupled esters. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 4668-71	16.4	103
165	Nickel-catalyzed intermolecular [2 + 2] cycloaddition of conjugated enynes with alkenes. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 15692-5	16.4	100
164	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> , <b>2013</b> , 2013, 443-447	3.2	99
163	Dimerization of terminal alkynes catalyzed by a nickel complex having a bulky phosphine ligand. <i>Chemical Communications</i> , <b>2004</b> , 2732-3	5.8	98
162	Synthesis, Structure, and Reactivity of Neutral $\beta$ -Propargylpalladium Complexes. <i>Journal of the American Chemical Society</i> , <b>1998</b> , 120, 1938-1939	16.4	94
161	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> , <b>2007</b> , 46, 4930-2	16.4	89
160	Nickeladhydropyran. Key intermediate for nickel-catalyzed reaction of alkyne and aldehyde. <i>Chemical Communications</i> , <b>2008</b> , 1347-9	5.8	83

159	Novel syn oxidative addition of allylic halides to olefin complexes of palladium(0) and platinum(0). <i>Journal of the American Chemical Society</i> , <b>1992</b> , 114, 8417-8424	16.4	82
158	Square tetrapalladium sheet sandwich complexes: cyclononatetraenyl as a versatile face-capping ligand. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 9888-9	16.4	77
157	Fluorinated Vinylsilanes from the Copper-Catalyzed Defluorosilylation of Fluoroalkene Feedstocks. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 328-332	16.4	77
156	Catalytic Transformation of Aldehydes with Nickel Complexes through $\eta^2$ Coordination and Oxidative Cyclization. <i>Accounts of Chemical Research</i> , <b>2015</b> , 48, 1746-55	24.3	76
155	Nickel(0)-catalyzed [2 + 2 + 1] carbonylative cycloaddition of imines and alkynes or norbornene leading to lactams. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 15877-80	16.4	75
154	Nickel(0)-Catalyzed Enantio- and Diastereoselective Synthesis of Benzoxasiloles: Ligand-Controlled Switching from Inter- to Intramolecular Aryl-Transfer Process. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 11838-45	16.4	71
153	Nickel-catalyzed [2 + 2 + 2] cycloaddition of two enones and an alkyne. <i>Organic Letters</i> , <b>2010</b> , 12, 3450-2	6.2	69
152	Nickel-catalyzed direct conjugate addition of simple alkenes to enones. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 10350-1	16.4	69
151	Synthesis of five- and six-membered benzocyclic ketones through intramolecular alkene hydroacylation catalyzed by nickel(0)/N-heterocyclic carbenes. <i>Angewandte Chemie - International Edition</i> , <b>2012</b> , 51, 10812-5	16.4	64
150	Carbon-Fluorine Bond Activation of Tetrafluoroethylene on Palladium(0) and Nickel(0): Heat or Lewis Acidic Additive Promoted Oxidative Addition. <i>Organometallics</i> , <b>2013</b> , 32, 3631-3639	3.8	64
149	Nucleophilic substitution at the central allyl carbon atom of a ( $\pi$ -allyl)platinum complex. <i>Journal of the American Chemical Society</i> , <b>1994</b> , 116, 4125-4126	16.4	64
148	Hydrofluoroarylation of alkynes with fluoroarenes. <i>Dalton Transactions</i> , <b>2010</b> , 39, 10483-94	4.3	62
147	Synthesis and structure of cationic $\beta$ -allenyl/propargylpalladium complexes. <i>Journal of Organometallic Chemistry</i> , <b>1995</b> , 493, C19-C21	2.3	62
146	[3+2] cycloaddition reaction of cyclopropyl ketones with alkynes catalyzed by nickel/dimethylaluminum chloride. <i>Angewandte Chemie - International Edition</i> , <b>2011</b> , 50, 12067-70	16.4	61
145	Nickel-catalyzed Tishchenko reaction via hetero-nickelacycles by oxidative cyclization of aldehydes with nickel(0) complex. <i>Chemical Communications</i> , <b>2010</b> , 46, 3354-6	5.8	60
144	Synthesis and reactivity of six-membered oxa-nickelacycles: a ring-opening reaction of cyclopropyl ketones. <i>Chemistry - A European Journal</i> , <b>2009</b> , 15, 10083-91	4.8	60
143	Palladium-catalyzed reaction of 5-methylene-1,3-dioxolan-2-ones. A new access to and reactivity of oxatrimethylenemethane-palladium. <i>Journal of Organic Chemistry</i> , <b>1993</b> , 58, 1173-1177	4.2	60
142	Discrete triangular tripalladium sandwich complexes of arenes. <i>Angewandte Chemie - International Edition</i> , <b>2007</b> , 46, 5440-3	16.4	58

- 141 Palladium/Me(3)SiOTf-catalyzed bis-silylation of alpha,beta-unsaturated carbonyl compounds without involving oxidative addition of disilane. *Journal of the American Chemical Society*, **2002**, 124, 11598-9 16.4 58
- 140 Synthesis and Characterization of Some Cationic $\beta$ -Propargylpalladium Complexes. *Bulletin of the Chemical Society of Japan*, **1999**, 72, 2687-2692 5.1 58
- 139 Base-Free Hiyama Coupling Reaction via a Group 10 Metal Fluoride Intermediate Generated by C $\equiv$ C Bond Activation. *Organometallics*, **2014**, 33, 3669-3672 3.8 56
- 138 Reductive coupling of metal triangles in sandwich complexes. *Journal of the American Chemical Society*, **2008**, 130, 8586-7 16.4 55
- 137 Fluoroalkylcopper(I) complexes generated by the carbocupration of tetrafluoroethylene: construction of a tetrafluoroethylene-bridging structure. *Journal of the American Chemical Society*, **2014**, 136, 15158-61 16.4 54
- 136 One-Pot, Single-Step, and Gram-Scale Synthesis of Mononuclear [( $\beta$ -arene)Ni(N-heterocyclic carbene)] Complexes: Useful Precursors of the Ni $\equiv$ HC Unit. *Organometallics*, **2014**, 33, 1276-1282 3.8 54
- 135 Nickel-catalyzed formation of cyclopentenone derivatives via the unique cycloaddition of  $\beta$ -unsaturated phenyl esters with alkynes. *Journal of the American Chemical Society*, **2011**, 133, 14900-3 16.4 54
- 134 Redox-induced reversible metal assembly through translocation and reversible ligand coupling in tetranuclear metal sandwich frameworks. *Nature Chemistry*, **2011**, 4, 52-8 17.6 52
- 133 Two-step synthesis of chiral fused tricyclic scaffolds from phenols via desymmetrization on nickel. *Nature Communications*, **2017**, 8, 32 17.4 51
- 132 Oxidative dinuclear addition of a Pd-I Pd moiety to arenes: generation of  $\beta$ : $\beta$ -arene-Pd(II) $_2$  species. *Journal of the American Chemical Society*, **2011**, 133, 14908-11 16.4 51
- 131 Structure-Reactivity Relationship in Allyl and 2-Propynyl Complexes of Group 10 Metals Relevant to Homogeneous Catalysis. *Bulletin of the Chemical Society of Japan*, **1998**, 71, 973-984 5.1 51
- 130 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, 6496-9 16.4 50
- 129 Transition-Metal-Free Catalytic Hydrodefluorination of Polyfluoroarenes by Concerted Nucleophilic Aromatic Substitution with a Hydrosilicate. *Angewandte Chemie - International Edition*, **2017**, 56, 16191-16196 16.4 49
- 128 Palladium-catalyzed coupling reaction of perfluoroarenes with diarylzinc compounds. *Chemistry - A European Journal*, **2014**, 20, 2040-8 4.8 49
- 127 Sandwich complexes containing bent palladium chains. *Angewandte Chemie - International Edition*, **2006**, 45, 5799-803 16.4 49
- 126 Synthesis, Structure and Reactivity of  $\eta^3$ -Allenyl/Propargyl Dinuclear Palladium Complexes. *Journal of the American Chemical Society*, **1995**, 117, 10415-10416 16.4 49
- 125 Copper-Catalyzed Reaction of Trifluoromethylketones with Aldehydes via a Copper Difluoroenolate. *Angewandte Chemie - International Edition*, **2016**, 55, 341-4 16.4 48
- 124 Pentacoordinated carboxylate  $\eta^3$ -allyl nickel complexes as key intermediates for the Ni-catalyzed direct amination of allylic alcohols. *Chemistry - A European Journal*, **2015**, 21, 14571-8 4.8 48

123	Copolymerisation of ethylene with polar monomers by using palladium catalysts bearing an N-heterocyclic carbene-phosphine oxide bidentate ligand. <i>Chemical Communications</i> , <b>2017</b> , 53, 2630-2633	5.8	47
122	A stable zerovalent palladium chain enveloped by a pi-electron sheath of conjugated polyene ligands. <i>Chemical Communications</i> , <b>2008</b> , 477-9	5.8	47
121	Metallocenoids of platinum: Syntheses and structures of triangular triplatinum sandwich complexes of cycloheptatrienyl. <i>Chemical Science</i> , <b>2011</b> , 2, 117-122	9.4	46
120	Copper-mediated One-pot Synthesis of Trifluorostyrene Derivatives from Tetrafluoroethylene and Arylboronate. <i>Chemistry Letters</i> , <b>2015</b> , 44, 1019-1021	1.7	44
119	Nickel-catalyzed synthesis of N-aryl-1,2-dihydropyridines by [2+2+2] cycloaddition of imines with alkynes through T-shaped 14-electron aza-nickelacycle key intermediates. <i>Chemistry - A European Journal</i> , <b>2014</b> , 20, 4105-10	4.8	44
118	Main-Group-Catalyzed Reductive Alkylation of Multiply Substituted Amines with Aldehydes Using H. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 7292-7300	16.4	44
117	Synthesis, characterization, and unique catalytic activities of a fluorinated nickel enolate. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 3276-82	16.4	43
116	New Insights into Structures, Stability, and Bonding of $\eta$ -Allyl Ligands Coordinated with Pd and Pd Fragments. <i>Organometallics</i> , <b>1996</b> , 15, 2089-2097	3.8	43
115	Ni(0)-catalyzed formation of azaaluminacyclopentenes via aza-nickelacyclopentenes: a unique nickel/aluminum double transmetalation reaction. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 9160-1	16.4	41
114	Ni-catalyzed [4+3+2] cycloaddition of ethyl cyclopropylideneacetate and dienyne: scope and mechanistic insights. <i>Chemistry - A European Journal</i> , <b>2013</b> , 19, 3415-25	4.8	40
113	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> , <b>2001</b> , 123, 1944-50	16.4	38
112	Palladium-catalyzed reactions of ketone $\alpha$ -carbonates with norbornenes. An unusual cyclopropanation. <i>Journal of Organic Chemistry</i> , <b>1993</b> , 58, 9-10	4.2	38
111	Radical Reactions of Titanium(III) Propargyl Complexes. Titanacyclobutene Formation by Dimerization and by Regioselective Addition of Organic Free Radicals. <i>Journal of the American Chemical Society</i> , <b>1998</b> , 120, 3514-3515	16.4	36
110	2,2,3,3-Tetrafluoronickelacyclopentanes Generated via the Oxidative Cyclization of Tetrafluoroethylene and Simple Alkenes: A Key Intermediate in Nickel-Catalyzed C-C Bond-Forming Reactions. <i>Organometallics</i> , <b>2015</b> , 34, 1604-1607	3.8	35
109	Synthesis of cyclobutenes and allenes by cobalt-catalyzed cross-dimerization of simple alkenes with 1,3-enynes. <i>Chemistry - A European Journal</i> , <b>2014</b> , 20, 6613-7	4.8	35
108	Key process in palladium-catalyzed asymmetric transformation of propargyl electrophiles. Racemization of optically active $\eta$ 1-allenylpalladium(II). <i>Journal of the American Chemical Society</i> , <b>2001</b> , 123, 7164-5	16.4	32
107	Efficient Synthesis of Polycyclic $\beta$ -Lactams by Catalytic Carbonylation of Ene-Imines via Nickelacycle Intermediates. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 8206-8210	16.4	31
106	Regioselective C-F bond activation of hexafluoropropylene on palladium(0): formation of a cationic $\eta$ (2)-perfluoroallylpalladium complex. <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 13578-82	16.4	31

105	A Strategy to Control the Reactivation of Frustrated Lewis Pairs from Shelf-Stable Carbene Borane Complexes. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 11666-71	16.4	30
104	[3 + 3] Cyclodimerization of Methylene-cyclopropanes: Stoichiometric and Catalytic Reactions of Nickel(0) with Electron-Deficient Alkylidene-cyclopropanes. <i>Organometallics</i> , <b>2010</b> , 29, 2386-2389	3.8	30
103	Redox transmetalation reaction involving $\eta^3$ -allyl group transfer from palladium(II) to platinum(0). <i>Organometallics</i> , <b>1993</b> , 12, 2869-2871	3.8	29
102	Nickel(0)/N-Heterocyclic Carbene-Catalyzed Asymmetric [2 + 2 + 2] Cycloaddition of Two Enones and an Alkyne: Access to Cyclohexenes with Four Contiguous Stereogenic Centers. <i>Organic Letters</i> , <b>2015</b> , 17, 6018-21	6.2	28
101	Nickel-catalyzed [2+2+2] cycloaddition of two alkynes and an imine. <i>Pure and Applied Chemistry</i> , <b>2008</b> , 80, 1115-1125	2.1	28
100	Fluorinated Vinylsilanes from the Copper-Catalyzed Defluorosilylation of Fluoroalkene Feedstocks. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 334-338	3.6	28
99	Nickel(0)-Catalyzed Formation of Oxaaluminacyclopentenes via an Oxanickelacyclopentene Key Intermediate: Me <sub>2</sub> AlOTf-Assisted Oxidative Cyclization of an Aldehyde and an Alkyne with Nickel(0). <i>Organometallics</i> , <b>2010</b> , 29, 6534-6540	3.8	27
98	Reaction of ( $\eta^2$ -arylaldehyde)nickel(0) complexes with Me <sub>3</sub> SiX (X=OTf, Cl). Application to catalytic reductive homocoupling reaction of arylaldehyde. <i>Tetrahedron</i> , <b>2006</b> , 62, 7583-7588	2.4	27
97	Cleavage of C(sp)-F Bonds in Trifluoromethylarenes Using a Bis(NHC)nickel(0) Complex. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 19360-19367	16.4	27
96	Cu-Catalyzed Pentafluoroethylation of Aryl Iodides in the Presence of Tetrafluoroethylene and Cesium Fluoride: Determining the Route to the Key Pentafluoroethyl Cu Intermediate. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 9794-9798	4.8	27
95	Nickel(0)-Mediated Transformation of Tetrafluoroethylene and Vinylarenes into Fluorinated Cyclobutyl Compounds. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 2435-2439	16.4	26
94	Preparation of Trifluorovinyl Compounds by Lithium Salt-promoted Monoalkylation of Tetrafluoroethene. <i>Chemistry Letters</i> , <b>2013</b> , 42, 933-935	1.7	26
93	Palladium-Catalyzed Reductive Homocoupling Reaction of 3-Silylpropargyl Carbonates. New Entry into Allene-Yne Compounds. <i>Journal of Organic Chemistry</i> , <b>1995</b> , 60, 4650-4652	4.2	26
92	Highly efficient activation of organosilanes with $\eta^2$ -aldehyde nickel complexes: key for catalytic syntheses of aryl-, vinyl-, and alkynyl-benzoxasiloles. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 16752-5	16.4	25
91	Synthesis and Reactivity of Fluoroalkyl Copper Complexes by the Oxycupration of Tetrafluoroethylene. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 11911-11915	16.4	25
90	Mechanistic studies on mutual isomerization of propargyl- and allenylplatinum(II) complexes. <i>Inorganica Chimica Acta</i> , <b>1997</b> , 265, 9-15	2.7	25
89	Mutual isomerization of $\eta^1$ -allenyl and $\eta^1$ -propargyl complexes of platinum via a five-coordinate $\eta^2$ -allenyl/propargyl intermediate. <i>Journal of the Chemical Society Chemical Communications</i> , <b>1995</b> , 2485-2486		25
88	Enantioselective Synthesis of Polycyclic $\beta$ -lactams with Multiple Chiral Carbon Centers via Ni(0)-Catalyzed Asymmetric Carbonylative Cycloadditions without Stirring. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 1594-1602	16.4	25

87	Nickel-catalyzed decarbonylation of $\alpha$ -acylated N-heteroarenes. <i>Chemical Science</i> , <b>2019</b> , 10, 6666-6671	9.4	24
86	Triarylborane-Catalyzed Reductive N-Alkylation of Amines: A Perspective. <i>ACS Catalysis</i> , <b>2019</b> , 9, 5439-5444	1.4	24
85	Cross-coupling reactions proceeding through $\eta^3$ - and $\eta^1$ -propargyl/allenylpalladium(II) intermediates. <i>Inorganica Chimica Acta</i> , <b>1999</b> , 296, 37-44	2.7	24
84	Allyl Group Transfer between M(II) and M(O) Centers (M = Pd, Pt) Proceeding through AntiNucleophilic Attack at $\eta^3$ -Allyl Ligand. <i>Chemistry Letters</i> , <b>1990</b> , 19, 1745-1748	1.7	24
83	Strategic Utilization of Multifunctional Carbene for Direct Synthesis of Carboxylic-Phosphinic Mixed Anhydride from CO. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 16075-16079	16.4	24
82	Transition-Metal-Free Catalytic Hydrodefluorination of Polyfluoroarenes by Concerted Nucleophilic Aromatic Substitution with a Hydrosilicate. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 16409-16414	3.6	23
81	Carbon-carbon bond formation by electrophilic addition at the central carbon of the $\mu$ - $\eta^3$ -allenyl/propargyl ligand on the Pd-Pd bond. <i>Journal of the American Chemical Society</i> , <b>2001</b> , 123, 3223-8	16.4	23
80	Nickel-Catalyzed Enantioselective Synthesis of Cyclobutenes via [2+2] Cycloaddition of $\eta^2$ -Unsaturated Carbonyls with 1,3-Enynes. <i>Synthesis</i> , <b>2016</b> , 48, 2789-2794	2.9	23
79	Aza-nickelacycle key intermediate in nickel(0)-catalyzed transformation reactions. <i>Dalton Transactions</i> , <b>2015</b> , 44, 12060-73	4.3	22
78	Selective construction of Pd <sub>2</sub> Pt and PdPt <sub>2</sub> triangles in a sandwich framework: carbocyclic ligands as scaffolds for a mixed-metal system. <i>Chemistry - A European Journal</i> , <b>2012</b> , 18, 8886-90	4.8	22
77	Copper-Catalyzed Reaction of Trifluoromethylketones with Aldehydes via a Copper Difluoroenolate. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 349-352	3.6	22
76	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> , <b>2017</b> , 139, 17795-17798	16.4	21
75	Bis-cyclooctatetraene tripalladium sandwich complexes. <i>Chemical Communications</i> , <b>2014</b> , 50, 820-2	5.8	20
74	N-Phosphine Oxide-Substituted Imidazolylidenes (PoxIm)s: Multifunctional Multipurpose Carbenes. <i>Chemistry - A European Journal</i> , <b>2017</b> , 23, 15238-15243	4.8	20
73	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</i> , <b>2007</b> , 119, 5018-5020	3.6	20
72	Convenient synthesis of Pt(0) olefin complexes by colorimetric reduction of Pt(II) complexes with SmI <sub>2</sub> . <i>Journal of Organometallic Chemistry</i> , <b>2004</b> , 689, 662-665	2.3	20
71	Nickel(0)-catalyzed intramolecular reductive coupling of alkenes and aldehydes or ketones with hydrosilanes. <i>Chemical Communications</i> , <b>2016</b> , 52, 6237-40	5.8	20
70	Synthesis, structure, and reactivity of a $\eta^3$ -1-hydroxyallyl complex: protonation of an $\alpha,\beta$ -unsaturated carbonyl compound bound to palladium(0) and platinum(0). <i>Journal of the American Chemical Society</i> , <b>2003</b> , 125, 9020-1	16.4	19

69	Bridging $\pi$ -coordination of pyrrole and indole over a Pd(I)-Pd(I) bond. <i>Chemical Communications</i> , <b>2013</b> , 49, 4310-2	5.8	18
68	Reaction of palladium(II) complexes with allylsilanes: convenient synthesis of $[\eta^3\text{-1-silylallyl}]$ palladium complexes. <i>Organometallics</i> , <b>1993</b> , 12, 578-579	3.8	18
67	Catalytic Transformations of Fluorinated Olefins. <i>Topics in Organometallic Chemistry</i> , <b>2014</b> , 197-215	0.6	17
66	Novel role of carbon monoxide as a Lewis acid catalyst for Friedel-Crafts reaction. <i>Journal of the American Chemical Society</i> , <b>2001</b> , 123, 8626-7	16.4	17
65	Intramolecular Oxidative Cyclization of Alkenes and Nitriles with Nickel(0). <i>Organometallics</i> , <b>2011</b> , 30, 2765-2774	3.8	16
64	Regioselective C-F Bond Activation of Hexafluoropropylene on Palladium(0): Formation of a Cationic $\eta^2$ -Perfluoroallylpalladium Complex. <i>Angewandte Chemie</i> , <b>2014</b> , 126, 13796-13800	3.6	15
63	Nickel-catalyzed [2 + 2] Cycloaddition Reaction of Bulky Enones with Simple Alkynes. The Effect of Bulkiness of Substituent Attached at $\beta$ -Carbon. <i>Chemistry Letters</i> , <b>2013</b> , 42, 904-905	1.7	15
62	[3+2] Cycloaddition Reaction of Cyclopropyl Ketones with Alkynes Catalyzed by Nickel/Dimethylaluminum Chloride. <i>Angewandte Chemie</i> , <b>2011</b> , 123, 12273-12276	3.6	15
61	Discrete Triangular Tripalladium Sandwich Complexes of Arenes. <i>Angewandte Chemie</i> , <b>2007</b> , 119, 5536-5539	3.8	15
60	Synthesis and structure of dipalladium complexes containing cyclooctatetraene and bicyclooctatrienyl ligands. <i>Journal of Organometallic Chemistry</i> , <b>2008</b> , 693, 894-898	2.3	15
59	New Chemistry of $\eta^2$ -Allenyl/Propargyl Complexes of Palladium and Platinum. <i>Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry</i> , <b>2003</b> , 61, 14-23	0.2	15
58	Intermolecular propargyl/allenyl group transfer from Pd(II) to Pt(0) and Pt(II) to Pd(0). Key reaction in metal-catalyzed isomerization between propargyl and allenyl metal complexes. <i>Journal of Organometallic Chemistry</i> , <b>2001</b> , 620, 190-193	2.3	15
57	Efficient Synthesis of Polycyclic $\beta$ -Lactams by Catalytic Carbonylation of Ene-Imines via Nickelacycle Intermediates. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 8318-8322	3.6	14
56	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> , <b>2018</b> , 57, 11418-11421	16.4	14
55	Highly Atom Economical Molecular Transformation via Hetero-Nickelacycle. <i>Bulletin of the Chemical Society of Japan</i> , <b>2017</b> , 90, 1401-1406	5.1	14
54	Synthesis of Five- and Six-Membered Benzocyclic Ketones through Intramolecular Alkene Hydroacylation Catalyzed by Nickel(0)/N-Heterocyclic Carbenes. <i>Angewandte Chemie</i> , <b>2012</b> , 124, 10970-10973	3.6	14
53	Reaction of $\alpha$ -enone and enal-platinum(0) complexes with Lewis acidic compounds. <i>Journal of Organometallic Chemistry</i> , <b>2004</b> , 689, 894-898	2.3	14
52	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> , <b>2018</b> , 140, 17423-17427	16.4	14



51	Trinuclear palladium addition to unsaturated carbocycles. <i>Dalton Transactions</i> , <b>2013</b> , 42, 10626-32	4.3	13
50	Reaction of Palladium and Platinum Complexes Bearing $\eta^5$ -Unsaturated Carbonyl Compounds with Carbon Electrophiles: Control over Site of Electrophilic Attack, Oxygen or Metal. <i>Organometallics</i> , <b>2003</b> , 22, 5468-5472	3.8	13
49	Kinetic Evidence for $\pi$ -Complex Formation Prior to Oxidative Addition of Propargyl Halides to Triphenylphosphine-Platinum(0) Complexes. <i>Organometallics</i> , <b>2000</b> , 19, 4488-4491	3.8	13
48	Palladium-Catalyzed Cross-Coupling Reactions of Perfluoro Organic Compounds. <i>Catalysts</i> , <b>2014</b> , 4, 321-345	4.5	12
47	Phosphorylation of Isocyanates and Aldehydes Mediated by Multifunctional N-Phosphine Oxide-substituted Imidazolylidenes. <i>Chemistry Letters</i> , <b>2017</b> , 46, 1211-1213	1.7	11
46	Kinetic and Theoretical Studies on Ni /N-Heterocyclic Carbene-Catalyzed Intramolecular Alkene Hydroacylation. <i>Chemistry - an Asian Journal</i> , <b>2017</b> , 12, 278-282	4.5	11
45	Nickel-catalyzed Reactions between Enone and Two Ethylenes. <i>Chemistry Letters</i> , <b>2009</b> , 38, 1166-1167	1.7	11
44	Ni(0)-Catalyzed Three-Component Coupling Reaction of Tetrafluoroethylene and N-Sulfonyl-Substituted Imines with Silanes via Aza-Nickelacycles. <i>Organic Letters</i> , <b>2019</b> , 21, 851-856	6.2	11
43	Nickel(0)-Mediated Transformation of Tetrafluoroethylene and Vinylarenes into Fluorinated Cyclobutyl Compounds. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 2475-2479	3.6	10
42	New direction in organopalladium chemistry: structure and reactivity of unsaturated hydrocarbon ligands bound to multipalladium units. <i>Chemical Record</i> , <b>2003</b> , 3, 101-11	6.6	10
41	Transition-Metal Mediated Transformations of Tetrafluoroethylene into Various Polyfluorinated Organic Compounds. <i>Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry</i> , <b>2016</b> , 74, 1047-1057	9.3	10
40	Formation of Six-membered Aza-nickelacycles by Oxidative Addition of Cyclopropyl Imines to Nickel(0). <i>Chemistry Letters</i> , <b>2011</b> , 40, 248-249	1.7	9
39	Mono- and Dipalladium Movement on the $\pi$ -Conjugated Five-Carbon Chain. <i>Organometallics</i> , <b>2008</b> , 27, 276-280	3.8	9
38	Sandwich Complexes Containing Bent Palladium Chains. <i>Angewandte Chemie</i> , <b>2006</b> , 118, 5931-5935	3.6	9
37	Convenient synthesis of $[\eta^5-1-(\text{formyl})\text{allyl}]$ - and $[\eta^5-1-(\text{dimethoxymethyl})\text{allyl}]$ palladium chlorides. <i>Journal of Organometallic Chemistry</i> , <b>1993</b> , 445, C13-C14	2.3	9
36	Nickel-Catalyzed Three-Component Coupling Reaction of Tetrafluoroethylene and Aldehydes with Silanes via Oxa-Nickelacycles. <i>European Journal of Organic Chemistry</i> , <b>2019</b> , 2019, 1883-1887	3.2	9
35	Synthesis and Reactivity of Fluoroalkyl Copper Complexes by the Oxycupration of Tetrafluoroethylene. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 12073-12077	3.6	8
34	A Strategy to Control the Reactivation of Frustrated Lewis Pairs from Shelf-Stable Carbene Borane Complexes. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 11832-11837	3.6	8

33	Rotation-Triggered Transmetalation on a Heterobimetallic Cu/Al -Phosphine-Oxide-Substituted Imidazolylidene Complex. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 9772-9784	16.4	8
32	Complexation between MOTf (M = Li and Na) and N-Phosphine Oxide-substituted Imidazolylidenes via Coordination of the N-Phosphoryl Groups. <i>Chemistry Letters</i> , <b>2019</b> , 48, 230-233	1.7	7
31	Strain-Induced Double Carbon-Carbon Bond Activations of Cycloparaphenylenes by a Platinum Complex: Application to the Synthesis of Cyclic Diketones. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 11588-11591	3.6	7
30	Carbon-carbon Bond Forming Reactions of $\eta$ -Vinylcarbenedipalladium Complexes. <i>Chemistry Letters</i> , <b>1999</b> , 28, 123-124	1.7	7
29	Synthesis of $\beta$ -2-stannylmethylallylpalladium complexes and their destannylation leading to trimethylenemethane-palladium species. <i>Journal of Organometallic Chemistry</i> , <b>1994</b> , 481, 19-25	2.3	7
28	Molecular Transformation via Nickelacycle Intermediate. <i>Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry</i> , <b>2013</b> , 71, 14-24	0.2	7
27	Nickel(0)-catalyzed Coupling Reactions of Carbonyls and Alkenes with Reducing Reagents Giving Six- and Seven-membered Benzocycloalkanols. <i>Chemistry Letters</i> , <b>2017</b> , 46, 1096-1098	1.7	6
26	Reaction of 1-silyl dienol silyl ethers with palladium(II) complexes: novel formation of several types of $(\eta^3\text{-allyl})\text{palladium(II)}$ complexes via the versatile complex $(\eta^3\text{-1-(silylcarbonyl)allyl})\text{palladium chloride}$ . <i>Organometallics</i> , <b>1991</b> , 10, 3813-3818	3.8	6
25	Hetero-Nickelacycles as Key Reaction Intermediate in Catalytic Reactions. <i>Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry</i> , <b>2009</b> , 67, 507-516	0.2	6
24	Development and Mechanistic Studies of (E)-Selective Isomerization/Tandem Hydroarylation Reactions of Alkenes with a Nickel(0)/Phosphine Catalyst. <i>ACS Catalysis</i> , <b>2021</b> , 11, 6741-6749	13.1	5
23	Strategic Utilization of Multifunctional Carbene for Direct Synthesis of Carboxylic-Phosphinic Mixed Anhydride from CO <sub>2</sub> . <i>Angewandte Chemie</i> , <b>2016</b> , 128, 16309-16313	3.6	5
22	Formation of acylruthenium promoted by coordination of AlMe <sub>3</sub> to $(\eta^4\text{-cyclopentadienone})\text{Ru(CO)}_3$ . <i>Dalton Transactions</i> , <b>2008</b> , 2232-4	4.3	4
21	Overlooked Factors Required for Electrolyte Solvents in Li-O <sub>2</sub> Battery: Capabilities of Quenching O <sub>2</sub> and Forming Highly-decomposable Li <sub>2</sub> O <sub>2</sub> . <i>Angewandte Chemie - International Edition</i> , <b>2022</b> ,	16.4	4
20	Axial Chirality around N-P Bonds Induced by Complexation between E(CF) (E = B, Al) and an -Phosphine Oxide-Substituted Imidazolylidene: A Key Intermediate in the Catalytic Phosphinoxylation of CO. <i>Journal of Organic Chemistry</i> , <b>2020</b> , 85, 14333-14341	4.2	4
19	Direct Transformation of Tetrafluoroethylene to Trifluorovinylzinc via sp C-F Bond Activation. <i>Organic Letters</i> , <b>2020</b> , 22, 8167-8172	6.2	4
18	Catalytic Synthesis of Isoquinolines via Intramolecular Migration of N-Aryl Sulfonyl Groups on 1,5-Diene-Imines. <i>Bulletin of the Chemical Society of Japan</i> , <b>2020</b> , 93, 182-186	5.1	3
17	Novel decarbonylation of a formal homoacylpalladium linkage, PdCH(CR:CH <sub>2</sub> )C(O)SiR <sub>3</sub> affording a PdCH(CR:CH <sub>2</sub> )SiR <sub>3</sub> moiety. <i>Organometallics</i> , <b>1990</b> , 9, 3021-3022	3.8	2
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15	Development of Metal Complexes Equipped with Structurally Flexible Carbenes. <i>Bulletin of the Chemical Society of Japan</i> , <b>2021</b> , 94, 327-338	5.1	2
14	Synthesis and destannylation of $\beta$ -1-stannylallylpalladium(II) complexes. <i>Journal of Organometallic Chemistry</i> , <b>2001</b> , 625, 54-57	2.3	1
13	Formation of Nickelacycles and Reaction with Carbon Monoxide <b>2020</b> , 1-11		1
12	Copper(I)-mediated C <sub>N</sub> /C <sub>C</sub> Bond-forming Reaction with Tetrafluoroethylene for the Synthesis of N-Fluoroalkyl Heteroarenes via an Azacupration/Coupling Mechanism. <i>Chemistry Letters</i> , <b>2021</b> , 50, 442-444	1.7	1
11	CsF-Catalyzed Fluoroacylation of Tetrafluoroethylene Using Acyl Fluorides for the Synthesis of Pentafluoroethyl Ketones. <i>Synthesis</i> , <b>2021</b> , 53, 3137-3143	2.9	1
10	C-C Bond Functionalization <b>2020</b> , 103-121		0
9	Carbon Dioxide Fixation via Nickelacycle <b>2020</b> , 249-283		0
8	Rücktitelbild: Synthesis and Reactivity of Fluoroalkyl Copper Complexes by the Oxycupration of Tetrafluoroethylene (Angew. Chem. 39/2017). <i>Angewandte Chemie</i> , <b>2017</b> , 129, 12178-12178	3.6	
7	Berichtigung: Strategic Utilization of Multifunctional Carbene for Direct Synthesis of Carboxylic Phosphinic Mixed Anhydride from CO <sub>2</sub> . <i>Angewandte Chemie</i> , <b>2017</b> , 129, 10767-10767	3.6	
6	Transformation of Aldehydes via Nickelacycles <b>2020</b> , 13-27		
5	Transformation of Imines via Nickelacycles <b>2020</b> , 29-38		
4	Asymmetric C-C Bond Formation Reactions via Nickelacycles <b>2020</b> , 39-67		
3	N-Phosphine Imide-Substituted Imidazolylidenes. <i>Asian Journal of Organic Chemistry</i> , <b>2021</b> , 10, 1085-1089		
2	N-Phosphine Oxide-Substituted Imidazolylidenes (Poxlms) as Multifunctional Multipurpose N-Heterocyclic Carbenes. <i>Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry</i> , <b>2021</b> , 79, 632-641	0.2	
1	Sm(II)-mediated Single-electron Reduction of Pentafluorophenylcopper(I). <i>Chemistry Letters</i> , <b>2021</b> , 50, 1394-1396	1.7	