

Sensuke Ogoshi

List of Publications by Year in Descending Order

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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.

176
papers

6,339
citations

49
h-index

69
g-index

222
ext. papers

7,036
ext. citations

8.1
avg. IF

6.1
L-index

#	Paper	IF	Citations
176	Overlooked Factors Required for Electrolyte Solvents in Li-O ₂ Battery: Capabilities of Quenching O ₂ and Forming Highly-decomposable Li ₂ O ₂ . <i>Angewandte Chemie - International Edition</i> , 2022 ,	16.4	4
175	Copper(I)-mediated C-N/C-F Bond-forming Reaction with Tetrafluoroethylene for the Synthesis of N-Fluoroalkyl Heteroarenes via an Azacupration/Coupling Mechanism. <i>Chemistry Letters</i> , 2021 , 50, 442-444	1.7	1
174	Synthesis of Fluoroalkyl Sulfides via Additive-Free Hydrothiolation and Sequential Functionalization Reactions. <i>Journal of Organic Chemistry</i> , 2021 , 86, 6015-6024	4.2	2
173	N-Phosphine Imide-Substituted Imidazolylidenes. <i>Asian Journal of Organic Chemistry</i> , 2021 , 10, 1085-1089		
172	Development and Mechanistic Studies of (E)-Selective Isomerization/Tandem Hydroarylation Reactions of Alkenes with a Nickel(0)/Phosphine Catalyst. <i>ACS Catalysis</i> , 2021 , 11, 6741-6749	13.1	5
171	N-Phosphine Oxide-Substituted Imidazolylidenes (PoxIm)s as Multifunctional Multipurpose N-Heterocyclic Carbenes. <i>Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry</i> , 2021 , 79, 632-641	0.2	
170	CsF-Catalyzed Fluoroacylation of Tetrafluoroethylene Using Acyl Fluorides for the Synthesis of Pentafluoroethyl Ketones. <i>Synthesis</i> , 2021 , 53, 3137-3143	2.9	1
169	Sm(II)-mediated Single-electron Reduction of Pentafluorophenylcopper(I). <i>Chemistry Letters</i> , 2021 , 50, 1394-1396	1.7	
168	Development of Metal Complexes Equipped with Structurally Flexible Carbenes. <i>Bulletin of the Chemical Society of Japan</i> , 2021 , 94, 327-338	5.1	2
167	Enantioselective Synthesis of Polycyclic 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	16.4	25
166	Axial Chirality around N-P Bonds Induced by Complexation between E(CF) (E = B, Al) and an -Phosphine Oxide-Substituted Imidazolynylidene: A Key Intermediate in the Catalytic Phosphinoylation of CO. <i>Journal of Organic Chemistry</i> , 2020 , 85, 14333-14341	4.2	4
165	C-C Bond Functionalization 2020 , 103-121		0
164	Carbon Dioxide Fixation via Nickelacycle 2020 , 249-283		0
163	Catalytic Synthesis of Isoquinolines via Intramolecular Migration of N-Aryl Sulfonyl Groups on 1,5-Yne-Imines. <i>Bulletin of the Chemical Society of Japan</i> , 2020 , 93, 182-186	5.1	3
162	Formation of Nickelacycles and Reaction with Carbon Monoxide 2020 , 1-11		1
161	Transformation of Aldehydes via Nickelacycles 2020 , 13-27		
160	Transformation of Imines via Nickelacycles 2020 , 29-38		

159	Asymmetric C-C Bond Formation Reactions via Nickelacycles 2020 , 39-67		
158	Direct Transformation of Tetrafluoroethylene to Trifluorovinylzinc via sp C-F Bond Activation. <i>Organic Letters</i> , 2020 , 22, 8167-8172	6.2	4
157	Cleavage of C(sp)-F Bonds in Trifluoromethylarenes Using a Bis(NHC)nickel(0) Complex. <i>Journal of the American Chemical Society</i> , 2020 , 142, 19360-19367	16.4	27
156	Rotation-Triggered Transmetalation on a Heterobimetallic Cu/Al -Phosphine-Oxide-Substituted Imidazolylidene Complex. <i>Journal of the American Chemical Society</i> , 2020 , 142, 9772-9784	16.4	8
155	Complexation between MOTf (M = Li and Na) and N-Phosphine Oxide-substituted Imidazolylidenes via Coordination of the N-Phosphoryl Groups. <i>Chemistry Letters</i> , 2019 , 48, 230-233	1.7	7
154	Nickel-catalyzed decarbonylation of -acylated N-heteroarenes. <i>Chemical Science</i> , 2019 , 10, 6666-6671	9.4	24
153	Triarylborane-Catalyzed Reductive N-Alkylation of Amines: A Perspective. <i>ACS Catalysis</i> , 2019 , 9, 5439-5444	14.4	24
152	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	6.2	11
151	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	3.2	9
150	Strain-Induced Double Carbon-Carbon Bond Activations of Cycloparaphenylenes by a Platinum Complex: Application to the Synthesis of Cyclic Diketones. <i>Angewandte Chemie</i> , 2018 , 130, 11588-11591	3.6	7
149	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	16.4	14
148	Fluorinated Vinylsilanes from the Copper-Catalyzed Defluorosilylation of Fluoroalkene Feedstocks. <i>Angewandte Chemie</i> , 2018 , 130, 334-338	3.6	28
147	Fluorinated Vinylsilanes from the Copper-Catalyzed Defluorosilylation of Fluoroalkene Feedstocks. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 328-332	16.4	77
146	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	16.4	14
145	Main-Group-Catalyzed Reductive Alkylation of Multiply Substituted Amines with Aldehydes Using H. <i>Journal of the American Chemical Society</i> , 2018 , 140, 7292-7300	16.4	44
144	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> , 2018 , 24, 9794-9798	4.8	27
143	Nickel(0)-Mediated Transformation of Tetrafluoroethylene and Vinylarenes into Fluorinated Cyclobutyl Compounds. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 2435-2439	16.4	26
142	Nickel(0)-Mediated Transformation of Tetrafluoroethylene and Vinylarenes into Fluorinated Cyclobutyl Compounds. <i>Angewandte Chemie</i> , 2017 , 129, 2475-2479	3.6	10

141	Copolymerisation of ethylene with polar monomers by using palladium catalysts bearing an N-heterocyclic carbene-phosphine oxide bidentate ligand. <i>Chemical Communications</i> , 2017 , 53, 2630-2633 ^{5,8}	47
140	Nickel(0)-catalyzed Coupling Reactions of Carbonyls and Alkenes with Reducing Reagents Giving Six- and Seven-membered Benzocycloalkanols. <i>Chemistry Letters</i> , 2017 , 46, 1096-1098	1.7 6
139	Phosphorylation of Isocyanates and Aldehydes Mediated by Multifunctional N-Phosphine Oxide-substituted Imidazolylidenes. <i>Chemistry Letters</i> , 2017 , 46, 1211-1213	1.7 11
138	Efficient Synthesis of Polycyclic Lactams by Catalytic Carbonylation of Ene-Imines via Nickelacycle Intermediates. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 8206-8210	16.4 31
137	Efficient Synthesis of Polycyclic Lactams by Catalytic Carbonylation of Ene-Imines via Nickelacycle Intermediates. <i>Angewandte Chemie</i> , 2017 , 129, 8318-8322	3.6 14
136	Synthesis and Reactivity of Fluoroalkyl Copper Complexes by the Oxycupration of Tetrafluoroethylene. <i>Angewandte Chemie</i> , 2017 , 129, 12073-12077	3.6 8
135	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	16.4 49
134	Rücktitelbild: Synthesis and Reactivity of Fluoroalkyl Copper Complexes by the Oxycupration of Tetrafluoroethylene (Angew. Chem. 39/2017). <i>Angewandte Chemie</i> , 2017 , 129, 12178-12178	3.6
133	Copper-Catalyzed Regioselective Monodefluoroborylation of Polyfluoroalkenes en Route to Diverse Fluoroalkenes. <i>Journal of the American Chemical Society</i> , 2017 , 139, 12855-12862	16.4 145
132	Synthesis and Reactivity of Fluoroalkyl Copper Complexes by the Oxycupration of Tetrafluoroethylene. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 11911-11915	16.4 25
131	N-Phosphine Oxide-Substituted Imidazolylidenes (PoxIm)s: Multifunctional Multipurpose Carbenes. <i>Chemistry - A European Journal</i> , 2017 , 23, 15238-15243	4.8 20
130	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	16.4 21
129	Two-step synthesis of chiral fused tricyclic scaffolds from phenols via desymmetrization on nickel. <i>Nature Communications</i> , 2017 , 8, 32	17.4 51
128	Kinetic and Theoretical Studies on Ni /N-Heterocyclic Carbene-Catalyzed Intramolecular Alkene Hydroacylation. <i>Chemistry - an Asian Journal</i> , 2017 , 12, 278-282	4.5 11
127	Highly Atom Economical Molecular Transformation via Hetero-Nickelacycle. <i>Bulletin of the Chemical Society of Japan</i> , 2017 , 90, 1401-1406	5.1 14
126	Transition-Metal-Free Catalytic Hydrodefluorination of Polyfluoroarenes by Concerted Nucleophilic Aromatic Substitution with a Hydrosilicate. <i>Angewandte Chemie</i> , 2017 , 129, 16409-16414	3.6 23
125	Berichtigung: Strategic Utilization of Multifunctional Carbene for Direct Synthesis of Carboxylic Phosphinic Mixed Anhydride from CO ₂ . <i>Angewandte Chemie</i> , 2017 , 129, 10767-10767	3.6
124	Copper-Catalyzed Reaction of Trifluoromethylketones with Aldehydes via a Copper Difluoroenolate. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 341-4	16.4 48

123	Transition-Metal Mediated Transformations of Tetrafluoroethylene into Various Polyfluorinated Organic Compounds. <i>Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry</i> , 2016 , 74, 1047-1057	9.2	10
122	Nickel-Catalyzed Enantioselective Synthesis of Cyclobutenes via [2+2] Cycloaddition of π -Unsaturated Carbonyls with 1,3-Enynes. <i>Synthesis</i> , 2016 , 48, 2789-2794	2.9	23
121	Strategic Utilization of Multifunctional Carbene for Direct Synthesis of Carboxylic-Phosphinic Mixed Anhydride from CO ₂ . <i>Angewandte Chemie</i> , 2016 , 128, 16309-16313	3.6	5
120	Strategic Utilization of Multifunctional Carbene for Direct Synthesis of Carboxylic-Phosphinic Mixed Anhydride from CO. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 16075-16079	16.4	24
119	Copper-Catalyzed Reaction of Trifluoromethylketones with Aldehydes via a Copper Difluoroenolate. <i>Angewandte Chemie</i> , 2016 , 128, 349-352	3.6	22
118	Nickel(0)-catalyzed intramolecular reductive coupling of alkenes and aldehydes or ketones with hydrosilanes. <i>Chemical Communications</i> , 2016 , 52, 6237-40	5.8	20
117	Synthesis, characterization, and unique catalytic activities of a fluorinated nickel enolate. <i>Journal of the American Chemical Society</i> , 2015 , 137, 3276-82	16.4	43
116	Nickel-Catalyzed Formation of Fluorine-Containing Ketones via the Selective Cross-Trimerization Reaction of Tetrafluoroethylene, Ethylene, and Aldehydes. <i>Journal of the American Chemical Society</i> , 2015 , 137, 6496-9	16.4	50
115	Catalytic Transformation of Aldehydes with Nickel Complexes through π Coordination and Oxidative Cyclization. <i>Accounts of Chemical Research</i> , 2015 , 48, 1746-55	24.3	76
114	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> , 2015 , 34, 1604-1607	3.8	35
113	Aza-nickelacycle key intermediate in nickel(0)-catalyzed transformation reactions. <i>Dalton Transactions</i> , 2015 , 44, 12060-73	4.3	22
112	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> , 2015 , 137, 11838-45	16.4	71
111	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> , 2015 , 17, 6018-21	6.2	28
110	A Strategy to Control the Reactivation of Frustrated Lewis Pairs from Shelf-Stable Carbene Borane Complexes. <i>Angewandte Chemie</i> , 2015 , 127, 11832-11837	3.6	8
109	A Strategy to Control the Reactivation of Frustrated Lewis Pairs from Shelf-Stable Carbene Borane Complexes. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 11666-71	16.4	30
108	Copper-mediated One-pot Synthesis of Trifluorostyrene Derivatives from Tetrafluoroethylene and Arylboronate. <i>Chemistry Letters</i> , 2015 , 44, 1019-1021	1.7	44
107	Pentacoordinated carboxylate η -allyl nickel complexes as key intermediates for the Ni-catalyzed direct amination of allylic alcohols. <i>Chemistry - A European Journal</i> , 2015 , 21, 14571-8	4.8	48
106	Synthesis of cyclobutenes and allenes by cobalt-catalyzed cross-dimerization of simple alkenes with 1,3-enynes. <i>Chemistry - A European Journal</i> , 2014 , 20, 6613-7	4.8	35

105	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> , 2014 , 136, 15877-80	16.4	75
104	Highly efficient activation of organosilanes with η^2 -aldehyde nickel complexes: key for catalytic syntheses of aryl-, vinyl-, and alkynyl-benzoxasiloles. <i>Journal of the American Chemical Society</i> , 2014 , 136, 16752-5	16.4	25
103	Bis-cyclooctatetraene tripalladium sandwich complexes. <i>Chemical Communications</i> , 2014 , 50, 820-2	5.8	20
102	Fluoroalkylcopper(I) complexes generated by the carbocupration of tetrafluoroethylene: construction of a tetrafluoroethylene-bridging structure. <i>Journal of the American Chemical Society</i> , 2014 , 136, 15158-61	16.4	54
101	Base-Free Hiyama Coupling Reaction via a Group 10 Metal Fluoride Intermediate Generated by C-H Bond Activation. <i>Organometallics</i> , 2014 , 33, 3669-3672	3.8	56
100	Palladium-catalyzed coupling reaction of perfluoroarenes with diarylzinc compounds. <i>Chemistry - A European Journal</i> , 2014 , 20, 2040-8	4.8	49
99	One-Pot, Single-Step, and Gram-Scale Synthesis of Mononuclear [(η^5 -arene)Ni(N-heterocyclic carbene)] Complexes: Useful Precursors of the NiO π HC Unit. <i>Organometallics</i> , 2014 , 33, 1276-1282	3.8	54
98	Regioselective C-F Bond Activation of Hexafluoropropylene on Palladium(0): Formation of a Cationic η^2 -Perfluoroallylpalladium Complex. <i>Angewandte Chemie</i> , 2014 , 126, 13796-13800	3.6	15
97	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> , 2014 , 20, 4105-10	4.8	44
96	Catalytic Transformations of Fluorinated Olefins. <i>Topics in Organometallic Chemistry</i> , 2014 , 197-215	0.6	17
95	Regioselective C-F bond activation of hexafluoropropylene on palladium(0): formation of a cationic (η^2)-perfluoroallylpalladium complex. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 13578-82	16.4	31
94	Palladium-Catalyzed Cross-Coupling Reactions of Perfluoro Organic Compounds. <i>Catalysts</i> , 2014 , 4, 321-345	12	
93	Ni-catalyzed [4+3+2] cycloaddition of ethyl cyclopropylideneacetate and dienyne: scope and mechanistic insights. <i>Chemistry - A European Journal</i> , 2013 , 19, 3415-25	4.8	40
92	Trinuclear palladium addition to unsaturated carbocycles. <i>Dalton Transactions</i> , 2013 , 42, 10626-32	4.3	13
91	Bridging π -coordination of pyrrole and indole over a Pd(I)-Pd(I) bond. <i>Chemical Communications</i> , 2013 , 49, 4310-2	5.8	18
90	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	3.2	99
89	Carbon-Fluorine Bond Activation of Tetrafluoroethylene on Palladium(0) and Nickel(0): Heat or Lewis Acidic Additive Promoted Oxidative Addition. <i>Organometallics</i> , 2013 , 32, 3631-3639	3.8	64
88	Preparation of Trifluorovinyl Compounds by Lithium Salt-promoted Monoalkylation of Tetrafluoroethene. <i>Chemistry Letters</i> , 2013 , 42, 933-935	1.7	26

87	Nickel-catalyzed [2 + 2] Cycloaddition Reaction of Bulky Enones with Simple Alkynes. The Effect of Bulkiness of Substituent Attached at β -Carbon. <i>Chemistry Letters</i> , 2013 , 42, 904-905	1.7	15
86	Molecular Transformation via Nickelacycle Intermediate. <i>Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry</i> , 2013 , 71, 14-24	0.2	7
85	Synthesis of Five- and Six-Membered Benzocyclic Ketones through Intramolecular Alkene Hydroacylation Catalyzed by Nickel(0)/N-Heterocyclic Carbenes. <i>Angewandte Chemie</i> , 2012 , 124, 10970-10973	3.6	14
84	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> , 2012 , 51, 10812-5	16.4	64
83	Nickel-catalyzed intermolecular [2 + 2] cycloaddition of conjugated enynes with alkenes. <i>Journal of the American Chemical Society</i> , 2012 , 134, 15692-5	16.4	100
82	Selective construction of Pd ₂ Pt and PdPt ₂ triangles in a sandwich framework: carbocyclic ligands as scaffolds for a mixed-metal system. <i>Chemistry - A European Journal</i> , 2012 , 18, 8886-90	4.8	22
81	Redox-induced reversible metal assembly through translocation and reversible ligand coupling in tetranuclear metal sandwich frameworks. <i>Nature Chemistry</i> , 2011 , 4, 52-8	17.6	52
80	Nickel-catalyzed selective conversion of two different aldehydes to cross-coupled esters. <i>Journal of the American Chemical Society</i> , 2011 , 133, 4668-71	16.4	103
79	Nickel-catalyzed formation of cyclopentenone derivatives via the unique cycloaddition of β -unsaturated phenyl esters with alkynes. <i>Journal of the American Chemical Society</i> , 2011 , 133, 14900-3	16.4	54
78	Oxidative dinuclear addition of a PdI-PdI moiety to arenes: generation of β : β -arene-Pd(II) ₂ species. <i>Journal of the American Chemical Society</i> , 2011 , 133, 14908-11	16.4	51
77	Palladium-catalyzed coupling reactions of tetrafluoroethylene with arylzinc compounds. <i>Journal of the American Chemical Society</i> , 2011 , 133, 3256-9	16.4	139
76	Formation of Six-membered Aza-nickelacycles by Oxidative Addition of Cyclopropyl Imines to Nickel(0). <i>Chemistry Letters</i> , 2011 , 40, 248-249	1.7	9
75	[3+2] Cycloaddition Reaction of Cyclopropyl Ketones with Alkynes Catalyzed by Nickel/Dimethylaluminum Chloride. <i>Angewandte Chemie</i> , 2011 , 123, 12273-12276	3.6	15
74	[3+2] cycloaddition reaction of cyclopropyl ketones with alkynes catalyzed by nickel/dimethylaluminum chloride. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 12067-70	16.4	61
73	Metallocenoids of platinum: Syntheses and structures of triangular triplatinum sandwich complexes of cycloheptatrienyl. <i>Chemical Science</i> , 2011 , 2, 117-122	9.4	46
72	Nickel-catalyzed dehydrogenative [4 + 2] cycloaddition of 1,3-dienes with nitriles. <i>Journal of the American Chemical Society</i> , 2011 , 133, 18018-21	16.4	115
71	Intramolecular Oxidative Cyclization of Alkenes and Nitriles with Nickel(0). <i>Organometallics</i> , 2011 , 30, 2765-2774	3.8	16
70	Nickel-catalyzed [2 + 2 + 2] cycloaddition of two enones and an alkyne. <i>Organic Letters</i> , 2010 , 12, 3450-2	6.2	69

69	[3 + 3] Cyclodimerization of Methylene cyclopropanes: Stoichiometric and Catalytic Reactions of Nickel(0) with Electron-Deficient Alkylidene cyclopropanes. <i>Organometallics</i> , 2010 , 29, 2386-2389	3.8	30
68	Nickel/Lewis acid-catalyzed cyanoesterification and cyanocarbonylation of alkynes. <i>Journal of the American Chemical Society</i> , 2010 , 132, 10070-7	16.4	166
67	Nickel-catalyzed Tishchenko reaction via hetero-nickelacycles by oxidative cyclization of aldehydes with nickel(0) complex. <i>Chemical Communications</i> , 2010 , 46, 3354-6	5.8	60
66	Nickel(0)-Catalyzed Formation of Oxaaluminacyclopentenes via an Oxanickelacyclopentene Key Intermediate: Me ₂ AlOTf-Assisted Oxidative Cyclization of an Aldehyde and an Alkyne with Nickel(0). <i>Organometallics</i> , 2010 , 29, 6534-6540	3.8	27
65	Hydrofluoroarylation of alkynes with fluoroarenes. <i>Dalton Transactions</i> , 2010 , 39, 10483-94	4.3	62
64	Synthesis and reactivity of six-membered oxa-nickelacycles: a ring-opening reaction of cyclopropyl ketones. <i>Chemistry - A European Journal</i> , 2009 , 15, 10083-91	4.8	60
63	Nickel-catalyzed direct conjugate addition of simple alkenes to enones. <i>Journal of the American Chemical Society</i> , 2009 , 131, 10350-1	16.4	69
62	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, 9160-1	16.4	41
61	Square tetrapalladium sheet sandwich complexes: cyclononatetraenyl as a versatile face-capping ligand. <i>Journal of the American Chemical Society</i> , 2009 , 131, 9888-9	16.4	77
60	Nickel-catalyzed Reactions between Enone and Two Ethylenes. <i>Chemistry Letters</i> , 2009 , 38, 1166-1167	1.7	11
59	Hetero-Nickelacycles as Key Reaction Intermediate in Catalytic Reactions. <i>Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry</i> , 2009 , 67, 507-516	0.2	6
58	Nickeladihydrofuran. Key intermediate for nickel-catalyzed reaction of alkyne and aldehyde. <i>Chemical Communications</i> , 2008 , 1347-9	5.8	83
57	A stable zerovalent palladium chain enveloped by a pi-electron sheath of conjugated polyene ligands. <i>Chemical Communications</i> , 2008 , 477-9	5.8	47
56	Formation of acylruthenium promoted by coordination of AlMe ₃ to (eta(4)-cyclopentadienone)Ru(CO)(3). <i>Dalton Transactions</i> , 2008 , 2232-4	4.3	4
55	Intramolecular arylcyanation of alkenes catalyzed by nickel/AlMe ₂ Cl. <i>Journal of the American Chemical Society</i> , 2008 , 130, 12874-5	16.4	227
54	Mono- and Dipalladium Movement on the E-Conjugated Five-Carbon Chain. <i>Organometallics</i> , 2008 , 27, 276-280	3.8	9
53	Reductive coupling of metal triangles in sandwich complexes. <i>Journal of the American Chemical Society</i> , 2008 , 130, 8586-7	16.4	55
52	Nickel-catalyzed [2+2+2] cycloaddition of two alkynes and an imine. <i>Pure and Applied Chemistry</i> , 2008 , 80, 1115-1125	2.1	28

51	Synthesis and structure of dipalladium complexes containing cyclooctatetraene and bicyclooctatrienyl ligands. <i>Journal of Organometallic Chemistry</i> , 2008 , 693, 894-898	2.3	15
50	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, 4930-2	16.4	89
49	Discrete triangular tripalladium sandwich complexes of arenes. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 5440-3	16.4	58
48	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> , 2007 , 119, 5018-5020	3.6	20
47	Discrete Triangular Tripalladium Sandwich Complexes of Arenes. <i>Angewandte Chemie</i> , 2007 , 119, 5536-5539	16.4	15
46	Sandwich complexes containing bent palladium chains. <i>Angewandte Chemie - International Edition</i> , 2006 , 45, 5799-803	16.4	49
45	Sandwich Complexes Containing Bent Palladium Chains. <i>Angewandte Chemie</i> , 2006 , 118, 5931-5935	3.6	9
44	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, 7077-86	16.4	126
43	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, 5350-1	16.4	111
42	Reaction of (η -arylaldehyde)nickel(0) complexes with Me ₃ SiX (X=OTf, Cl). Application to catalytic reductive homocoupling reaction of arylaldehyde. <i>Tetrahedron</i> , 2006 , 62, 7583-7588	2.4	27
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40	Convenient synthesis of Pt(0) olefin complexes by colorimetric reduction of Pt(II) complexes with Sml ₂ . <i>Journal of Organometallic Chemistry</i> , 2004 , 689, 662-665	2.3	20
39	Reaction of η^2 -enone and enal-platinum(0) complexes with Lewis acidic compounds. <i>Journal of Organometallic Chemistry</i> , 2004 , 689, 894-898	2.3	14
38	Dimerization of terminal alkynes catalyzed by a nickel complex having a bulky phosphine ligand. <i>Chemical Communications</i> , 2004 , 2732-3	5.8	98
37	Direct observation of oxidative cyclization of η^2 -alkene and η^2 -aldehyde on Ni(0) center. Significant acceleration by addition of Me ₃ SiOTf. <i>Journal of the American Chemical Society</i> , 2004 , 126, 11802-3	16.4	121
36	New Chemistry of β -Allenyl/Propargyl Complexes of Palladium and Platinum. <i>Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry</i> , 2003 , 61, 14-23	0.2	15
35	New direction in organopalladium chemistry: structure and reactivity of unsaturated hydrocarbon ligands bound to multipalladium units. <i>Chemical Record</i> , 2003 , 3, 101-11	6.6	10
34	Synthesis, structure, and reactivity of a η^3 -1-hydroxyallyl complex: protonation of an α,β -unsaturated carbonyl compound bound to palladium(0) and platinum(0). <i>Journal of the American Chemical Society</i> , 2003 , 125, 9020-1	16.4	19

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31	Synthesis and destannylation of β -1-stannylallylpalladium(II) complexes. <i>Journal of Organometallic Chemistry</i> , 2001 , 625, 54-57	2.3	1
30	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> , 2001 , 620, 190-193	2.3	15
29	Novel role of carbon monoxide as a Lewis acid catalyst for Friedel-Crafts reaction. <i>Journal of the American Chemical Society</i> , 2001 , 123, 8626-7	16.4	17
28	Carbon-carbon bond formation by electrophilic addition at the central carbon of the μ - η^3 -allenyl/propargyl ligand on the Pd-Pd bond. <i>Journal of the American Chemical Society</i> , 2001 , 123, 3223-8	16.4	23
27	Coordination of Lewis acid to η^2 -enonepalladium(0) leading to continuous structure variation from η^2 -olefin type to η^3 -allyl type. <i>Journal of the American Chemical Society</i> , 2001 , 123, 1944-50	16.4	38
26	Key process in palladium-catalyzed asymmetric transformation of propargyl electrophiles. Racemization of optically active η^1 -allenylpalladium(II). <i>Journal of the American Chemical Society</i> , 2001 , 123, 7164-5	16.4	32
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23	Synthesis and Characterization of Some Cationic β -Propargylpalladium Complexes. <i>Bulletin of the Chemical Society of Japan</i> , 1999 , 72, 2687-2692	5.1	58
22	Carbon-carbon Bond Forming Reactions of η^2 -Vinylcarbenedipalladium Complexes. <i>Chemistry Letters</i> , 1999 , 28, 123-124	1.7	7
21	Synthesis, Structure, and Reactivity of Neutral β -Propargylpalladium Complexes. <i>Journal of the American Chemical Society</i> , 1998 , 120, 1938-1939	16.4	94
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