

# Naoto Chatani

## 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.

282  
papers

23,835  
citations

85  
h-index

148  
g-index

320  
ext. papers

26,153  
ext. citations

8.1  
avg, IF

7.82  
L-index

#	Paper	IF	Citations
282	Palladium-Catalyzed Site-Selective [5 + 1] Annulation of Aromatic Amides with Alkenes: Acceleration of $\beta$ -Hydride Elimination by Maleic Anhydride from Palladacycle. <i>ACS Catalysis</i> , <b>2022</b> , 12, 1595-1600	13.1	1
281	Double 1,2-Migration of Bromine and Silicon in Directed $C\beta$ Alkynylation Reactions with Silyl-Substituted Alkynyl Bromides through an Iridium Vinylidene Intermediate. <i>Organometallics</i> , <b>2022</b> , 41, 20-28	3.8	1
280	Nickel-Catalyzed $C\beta/N\beta$ Annulation of 2-(2-Fluoroaryl) N-Heteroaromatic Compounds with Alkynes: Activation of $C\beta$ Bonds. <i>Synthesis</i> , <b>2021</b> , 53, 3075-3080	2.9	5
279	Effect of Sulfonamide and Carboxamide Ligands on the Structural Diversity of Bimetallic Rh-Rh Cores: Exploring the Catalytic Activity of These Newly Synthesized Rh Complexes. <i>Inorganic Chemistry</i> , <b>2021</b> , 60, 3534-3538	5.1	4
278	Nickel-catalyzed $C\alpha/O\beta$ Annulation of Salicylate Esters with Alkynes: Activation of $C\alpha$ Bond in Esters. <i>Chemistry Letters</i> , <b>2021</b> , 50, 510-512	1.7	1
277	Ruthenium(II)-catalyzed Arylation of ortho- $C\beta$ Bonds in 2-Aroyl-imidazoles with Aryl Halides. <i>Chemistry Letters</i> , <b>2021</b> , 50, 589-592	1.7	4
276	Nickel-Catalyzed Cross-Electrophile Coupling between $C(sp^2)\beta$ and $C(sp^2)\alpha$ Bonds by the Reaction of ortho-Fluoro-Aromatic Amides with Aryl Chlorides. <i>ACS Catalysis</i> , <b>2021</b> , 11, 4644-4649	13.1	18
275	Mechanism and Origins of Regiochemical Control in Rh(III)-Catalyzed Oxidative $C\beta$ Alkenylation and Coupling Sequence of Unprotected 1-Naphthylamines with $\beta$ Unsaturated Esters. <i>Organometallics</i> , <b>2021</b> , 40, 1371-1378	3.8	1
274	Iridium(III)-Catalyzed Branch-Selective $C\beta$ Alkenylation of Aniline Derivatives with Alkenes. <i>ACS Catalysis</i> , <b>2021</b> , 11, 5463-5471	13.1	7
273	Rh(II)-Catalyzed C-H Alkylation of Benzylamines with Unactivated Alkenes: The Influence of Acid on Linear and Branch Selectivity. <i>Organic Letters</i> , <b>2021</b> , 23, 4273-4278	6.2	3
272	$C\beta$ activation. <i>Nature Reviews Methods Primers</i> , <b>2021</b> , 1,		52
271	Iridium(III)-Catalyzed Direct Intermolecular Chemoselective $\beta$ Amidation of Masked Aliphatic Carboxylic Acids with Dioxazolones via Nitrene Transfer. <i>ACS Catalysis</i> , <b>2021</b> , 11, 7126-7131	13.1	5
270	Nickel-Catalyzed Suzuki-Miyaura Cross-Coupling Involving $C\alpha$ Bond Activation. <i>Helvetica Chimica Acta</i> , <b>2021</b> , 104, e2100089	2	1
269	Palladium-Catalyzed Site-Selective [3+2] Annulation via Benzylic and meta $C\beta$ Bond Activation. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 5249-5252	3.6	3
268	Strategic evolution in transition metal-catalyzed directed $C\beta$ bond activation and future directions. <i>Coordination Chemistry Reviews</i> , <b>2021</b> , 431, 213683	23.2	58
267	Palladium-Catalyzed Site-Selective [3+2] Annulation via Benzylic and meta C-H Bond Activation. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 5189-5192	16.4	8
266	$Co_2(CO)_8$ -Catalyzed Reactions of Acetals or Lactones with Hydrosilanes and Carbon Monoxide. A New Access to the Preparation of 1,2-Diol Derivatives through Siloxymethylation. <i>Bulletin of the Chemical Society of Japan</i> , <b>2021</b> , 94, 81-90	5.1	1

265	Pyrimidine-directed metal-free C-H borylation of 2-pyrimidylanilines: a useful process for tetra-coordinated triarylborane synthesis. <i>Chemical Science</i> , <b>2021</b> , 12, 11447-11454	9.4	7
264	Transient Imine as a Directing Group for the Metal-Free C-H Borylation of Benzaldehydes. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 2920-2929	16.4	12
263	Synthesis of $\beta$ -Amino Acid Derivatives through the Iridium-catalyzed C-H Amidation of 2-Acylimidazoles with Dioxazolones under Continuous-flow. <i>Chemistry Letters</i> , <b>2021</b> , 50, 1722-1724	1.7	1
262	Rh(III)-Catalyzed [3 + 2] Annulation of Aniline Derivatives with Vinylsilanes via C-H Activation/Alkene Cyclization: Access to Highly Regioselective Indoline Derivatives. <i>ACS Catalysis</i> , <b>2021</b> , 11, 12375-12383	13.1	1
261	Rh(i)- and Rh(ii)-catalyzed C-H alkylation of benzylamines with alkenes and its application in flow chemistry. <i>Chemical Science</i> , <b>2021</b> , 12, 3202-3209	9.4	8
260	Nickel-catalyzed Suzuki-Miyaura cross-coupling of C-H bonds. <i>Organic Chemistry Frontiers</i> , <b>2021</b> , 8, 3783-3787	3.7	4
259	Palladium-catalyzed 1,1-alkynylbromination of alkenes with alkynyl bromides. <i>Chemical Science</i> , <b>2021</b> , 12, 12326-12332	9.4	1
258	Nickel-Catalyzed C-H Functionalization Using A Non-directed Strategy. <i>Chem</i> , <b>2020</b> , 6, 1056-1081	16.2	44
257	Rh(I)-catalyzed Addition of the ortho C-H Bond in Aryl Sulfonamides to Maleimides. <i>Chemistry Letters</i> , <b>2020</b> , 49, 1053-1057	1.7	5
256	Rhodium-catalyzed Reaction of Alkynes with Hydrosilanes and n-Octyl Isocyanide: A Silylimination/1,4-Hydrosilylation Sequence Leading to $\beta$ -Silylmethyl-N-silylenamines. <i>Chemistry Letters</i> , <b>2020</b> , 49, 357-360	1.7	
255	Rh -Catalyzed Double Dehydrogenative Coupling of Free 1-Naphthylamines with $\beta$ -Unsaturated Esters. <i>Chemistry - A European Journal</i> , <b>2020</b> , 26, 11093-11098	4.8	5
254	The Direct Rh(III)-Catalyzed C-H Amidation of Aniline Derivatives Using a Pyrimidine Directing Group: The Selective Solvent Controlled Synthesis of 1,2-Diaminobenzenes and Benzimidazoles. <i>Organic Letters</i> , <b>2020</b> , 22, 3655-3660	6.2	18
253	Rh(III)-Catalyzed Reaction of $\beta$ -Carbonyl Sulfoxonium Ylides and Alkenes: Synthesis of Indanones via [4 + 1] Cycloaddition. <i>Organic Letters</i> , <b>2020</b> , 22, 1375-1379	6.2	28
252	Rh(ii)-catalyzed branch-selective C-H alkylation of aryl sulfonamides with vinylsilanes. <i>Chemical Science</i> , <b>2020</b> , 11, 389-395	9.4	10
251	Bidentate Directing Groups: An Efficient Tool in C-H Bond Functionalization Chemistry for the Expedient Construction of C-C Bonds. <i>Chemical Reviews</i> , <b>2020</b> , 120, 1788-1887	68.1	406
250	Nickel-Catalyzed C-F/N-H Annulation of Aromatic Amides with Alkynes: Activation of C-F Bonds under Mild Reaction Conditions. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 17306-17311	16.4	30
249	Fluoride anion-initiated bis-trifluoromethylation of phenyl aromatic carboxylates with (trifluoromethyl)trimethylsilane. <i>Chemical Communications</i> , <b>2020</b> , 56, 11661-11664	5.8	3
248	Ruthenium(II)-catalyzed acyloxylation of the ortho-C-H bond in 2-aryl-imidazoles with carboxylic acids. <i>Organic Chemistry Frontiers</i> , <b>2020</b> , 7, 2955-2959	5.2	8

247	Ru(CO)-Catalyzed Reaction of 1,6-Diynes, Carbon Monoxide, and Water via the Reductive Coupling of Carbon Monoxide. <i>Organic Letters</i> , <b>2020</b> , 22, 8747-8751	6.2	4
246	The Iridium(III)-Catalyzed Direct C(sp <sup>2</sup> ) and C(sp <sup>3</sup> ) Alkynylation of 2-Acylimidazoles with Various Alkynyl Bromides: Understanding the Full Catalytic Cycle. <i>ACS Catalysis</i> , <b>2020</b> , 10, 5173-5178	13.1	29
245	Nickel-catalyzed C-O/N-H, C-S/N-H, and C-CN/N-H annulation of aromatic amides with alkynes: C-O, C-S, and C-CN activation. <i>Chemical Science</i> , <b>2020</b> , 12, 1772-1777	9.4	11
244	Nickel-catalyzed reductive defunctionalization of esters in the absence of an external reductant: activation of C-O bonds. <i>Chemical Communications</i> , <b>2019</b> , 55, 13610-13613	5.8	8
243	A computational study of cobalt-catalyzed C-H iodination reactions using a bidentate directing group with molecular iodine. <i>Organic Chemistry Frontiers</i> , <b>2019</b> , 6, 537-543	5.2	6
242	Nickel-catalyzed decarbonylation of -acylated N-heteroarenes. <i>Chemical Science</i> , <b>2019</b> , 10, 6666-6671	9.4	24
241	Nickel-Catalyzed Decarboxylation of Aryl Carbamates for Converting Phenols into Aromatic Amines. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 7261-7265	16.4	27
240	Rh(i)-Catalyzed [3+2] annulation reactions of cyclopropanones with amides. <i>Chemical Communications</i> , <b>2019</b> , 55, 5740-5742	5.8	14
239	Rhodium-Catalyzed Alkylation of C-H Bonds in Aromatic Amides with Non-activated 1-Alkenes: The Possible Generation of Carbene Intermediates from Alkenes. <i>Chemistry - A European Journal</i> , <b>2019</b> , 25, 6915-6919	4.8	13
238	Nickel-Catalyzed Reaction of Benzamides with Bicyclic Alkenes: Cleavage of C-H and C-N Bonds. <i>Organic Letters</i> , <b>2019</b> , 21, 1774-1778	6.2	24
237	Rhodium(i)-catalyzed mono-selective C-H alkylation of benzenesulfonamides with terminal alkenes. <i>Chemical Communications</i> , <b>2019</b> , 55, 10503-10506	5.8	13
236	Ruthenium(II)-catalyzed Alkylation of C-H Bonds in Aromatic Amides with Vinylsilanes. <i>Chemistry Letters</i> , <b>2019</b> , 48, 1185-1187	1.7	3
235	Chelation-Assisted Nickel-Catalyzed C-H Functionalizations. <i>Trends in Chemistry</i> , <b>2019</b> , 1, 524-539	14.8	76
234	Cobalt-Catalyzed C-H Iodination of Aromatic Amides with Molecular Iodine through the Use of a 2-Aminophenyloxazoline-Based Bidentate-Chelation System. <i>Organic Letters</i> , <b>2019</b> , 21, 5971-5976	6.2	17
233	The Pd-catalyzed C-H alkylation of ortho-methyl-substituted aromatic amides with maleimide occurs preferentially at the ortho-methyl C-H bond over the ortho-C-H bond. <i>Chemical Communications</i> , <b>2019</b> , 55, 9983-9986	5.8	19
232	ortho-Directed C-H Alkylation of Substituted Benzenes <b>2019</b> , 621-670		1
231	Transition-Metal-Catalyzed C-H Bond Silylation <b>2019</b> , 171-211		6
230	Nickel-catalyzed oxidative C-H/N-H annulation of -heteroaromatic compounds with alkynes. <i>Chemical Science</i> , <b>2019</b> , 10, 3242-3248	9.4	35

229	A New Class of Redox Isomerization of N-Alkylpropargylamines into N-Alkylideneallylamines Catalyzed by a ReBr(CO)/Amine N-oxide System. <i>Organic Letters</i> , <b>2019</b> , 21, 1760-1765	6.2	1
228	Computational Mechanistic Study on the Nickel-Catalyzed C <sub>H</sub> /N <sub>H</sub> Oxidative Annulation of Aromatic Amides with Alkynes: The Role of the Nickel (0) Ate Complex. <i>Organometallics</i> , <b>2019</b> , 38, 248-255	3.8	19
227	Rhodiumkatalysierte sp <sup>2</sup> - und sp <sup>3</sup> -C-H-Funktionalisierungen mit entfernbaren dirigierenden Gruppen. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 8390	3.6	
226	Rhodium-Catalyzed C(sp <sup>2</sup> )- or C(sp <sup>3</sup> )-H Bond Functionalization Assisted by Removable Directing Groups. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 8304-8329	16.4	214
225	Cobalt(II)-Catalyzed Acyloxylation of C-H Bonds in Aromatic Amides with Carboxylic Acids. <i>Organic Letters</i> , <b>2018</b> , 20, 1062-1065	6.2	47
224	A Cationic Iridium-catalyzed C(sp <sup>3</sup> )-H Silylation of 2-Alkyl-1,3-azoles at the $\beta$ -Position in the 2-Alkyl Group Leading to 2-(1-Silylalkyl)-1,3-azoles. <i>Chemistry Letters</i> , <b>2018</b> , 47, 385-388	1.7	8
223	Cobalt(ii)-catalyzed chelation-assisted C-H iodination of aromatic amides with I. <i>Chemical Communications</i> , <b>2018</b> , 54, 1359-1362	5.8	31
222	Ru <sub>3</sub> (CO) <sub>12</sub> -Catalyzed Carbonylation of C <sub>H</sub> Bonds by Triazole-Directed C <sub>H</sub> Activation. <i>Asian Journal of Organic Chemistry</i> , <b>2018</b> , 7, 1315-1318	3	5
221	Rhodium-Catalyzed C-O Bond Alkynylation of Aryl Carbamates with Propargyl Alcohols. <i>Organic Letters</i> , <b>2018</b> , 20, 2108-2111	6.2	13
220	Rhodium(I)-Catalyzed C <sub>8</sub> -Alkylation of 1-Naphthylamide Derivatives with Alkenes through a Bidentate Picolinamide Chelation System. <i>ACS Catalysis</i> , <b>2018</b> , 8, 6699-6706	13.1	46
219	The Use of a Rhodium Catalyst/8-Aminoquinoline Directing Group in the C-H Alkylation of Aromatic Amides with Alkenes: Possible Generation of a Carbene Intermediate from an Alkene. <i>Bulletin of the Chemical Society of Japan</i> , <b>2018</b> , 91, 211-222	5.1	36
218	Catalytic Synthesis of Heterocycles via the Cleavage of Carbon-Heteroatom Bonds. <i>Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry</i> , <b>2018</b> , 76, 1185-1196	0.2	3
217	A Synthesis of 3,4-Dihydroisoquinolin-1(2H)-one via the Rhodium-Catalyzed Alkylation of Aromatic Amides with N-Vinylphthalimide. <i>Journal of Organic Chemistry</i> , <b>2018</b> , 83, 13587-13594	4.2	22
216	Metal-Catalyzed Aromatic C-O Bond Activation/Transformation. <i>Topics in Organometallic Chemistry</i> , <b>2018</b> , 103-140	0.6	8
215	Nickel-Catalyzed Reductive Cleavage of Carbon-Oxygen Bonds in Anisole Derivatives Using Diisopropylaminoborane. <i>ACS Catalysis</i> , <b>2018</b> , 8, 7475-7483	13.1	21
214	Nickel-Mediated Decarbonylation of Simple Unstrained Ketones through the Cleavage of Carbon-Carbon Bonds. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 1416-1419	16.4	68
213	Catalytic Double Carbon-Boron Bond Formation for the Synthesis of Cyclic Diarylborinic Acids as Versatile Building Blocks for $\beta$ -Extended Heteroarenes. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 2069-2073	16.4	19
212	C <sub>H</sub> Activation by a Rhodium Bis(N-Heterocyclic Carbene) Catalyst: Aryl Carbamates as Arylating Reagents in Directed C <sub>H</sub> Arylation. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 1903-1906	3.6	5

211	C-O Activation by a Rhodium Bis(N-Heterocyclic Carbene) Catalyst: Aryl Carbamates as Arylating Reagents in Directed C-H Arylation. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 1877-1880	16.4	27
210	Direct and Regioselective Introduction of Acetals into Imidazoles at the 2-Position by an Iridium-Catalyzed Reaction with Formates in the Presence of Hydrosilanes. <i>European Journal of Organic Chemistry</i> , <b>2017</b> , 2017, 1662-1665	3.2	1
209	Catalytic Double Carbon-Boron Bond Formation for the Synthesis of Cyclic Diarylboronic Acids as Versatile Building Blocks for Extended Heteroarenes. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 2101-2105	3.6	4
208	Rhodium-Catalyzed Alkenylation of C-H Bonds in Aromatic Amides with Alkynes. <i>Organic Letters</i> , <b>2017</b> , 19, 2234-2237	6.2	28
207	Iridium-Catalyzed Regioselective C(sp <sup>3</sup> )-H Silylation of 4-Alkylpyridines at the Benzylic Position with Hydrosilanes Leading to 4-(1-Silylalkyl)pyridines. <i>ACS Catalysis</i> , <b>2017</b> , 7, 3152-3156	13.1	23
206	Nickel-Catalyzed Cross-Coupling Reactions of Unreactive Phenolic Electrophiles via C-O Bond Activation. <i>Topics in Current Chemistry Collections</i> , <b>2017</b> , 129-156	1.8	1
205	C-H Borylation by Platinum Catalysis. <i>Bulletin of the Chemical Society of Japan</i> , <b>2017</b> , 90, 332-342	5.1	14
204	Nickel-Catalyzed Benzoylation of C-H Bonds in Aromatic Amides with Benzyltrimethylammonium Halides. <i>Israel Journal of Chemistry</i> , <b>2017</b> , 57, 964-967	3.4	10
203	5-Chloro-8-quinolinamine <b>2017</b> , 1-4		
202	Nickel-catalyzed C-H/N-H annulation of aromatic amides with alkynes in the absence of a specific chelation system. <i>Chemical Science</i> , <b>2017</b> , 8, 6650-6655	9.4	51
201	Rhodium-Catalyzed Reductive Cleavage of Aryl Carbamates Using Isopropanol as a Reductant. <i>Synlett</i> , <b>2017</b> , 28, 2569-2572	2.2	10
200	Cobalt(II)-catalyzed C-H functionalization using an N,N'-bidentate directing group. <i>Coordination Chemistry Reviews</i> , <b>2017</b> , 350, 117-135	23.2	162
199	Rh(I)-Catalyzed Alkylation of ortho-C-H Bonds in Aromatic Amides with Maleimides. <i>Organic Letters</i> , <b>2017</b> , 19, 4544-4547	6.2	67
198	An unusual endo-selective C-H hydroarylation of norbornene by the Rh(I)-catalyzed reaction of benzamides. <i>Nature Communications</i> , <b>2017</b> , 8, 1448	17.4	32
197	Ir(CO)-Catalyzed Benzylic C(sp <sup>3</sup> )-H Silylation of 2-Alkylpyridines with Hydrosilanes Leading to 2-(1-Silylalkyl)pyridines. <i>Journal of Organic Chemistry</i> , <b>2017</b> , 82, 13649-13655	4.2	16
196	Palladium-catalyzed Cyclization of Bisphosphines to Phosphacycles via the Cleavage of Two Carbon-Phosphorus Bonds. <i>Chemistry Letters</i> , <b>2017</b> , 46, 1296-1299	1.7	21
195	Combined Theoretical and Experimental Studies of Nickel-Catalyzed Cross-Coupling of Methoxyarenes with Arylboronic Esters via C-O Bond Cleavage. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 10347-10358	16.4	64
194	Palladium-Catalyzed Synthesis of 2,3-Disubstituted Benzothiophenes via the Annulation of Aryl Sulfides with Alkynes. <i>Organic Letters</i> , <b>2016</b> , 18, 4312-5	6.2	47



193	Nickel-catalyzed Ring-opening Cross-coupling of Cyclic Alkenyl Ethers with Arylboronic Esters via Carbon-Oxygen Bond Cleavage. <i>Chemistry Letters</i> , <b>2016</b> , 45, 1277-1279	1.7	5
192	Cobalt-catalyzed chelation assisted C-H allylation of aromatic amides with unactivated olefins. <i>Chemical Communications</i> , <b>2016</b> , 52, 10129-32	5.8	75
191	Phenyltrimethylammonium Salts as Methylation Reagents in the Nickel-Catalyzed Methylation of C-H Bonds. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 3162-5	16.4	101
190	Nickel-Catalyzed Cross-Coupling Reactions of Unreactive Phenolic Electrophiles via C-O Bond Activation. <i>Topics in Current Chemistry</i> , <b>2016</b> , 374, 41	7.2	74
189	Phenyltrimethylammonium Salts as Methylation Reagents in the Nickel-Catalyzed Methylation of C-H Bonds. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 3214-3217	3.6	26
188	Palladium(ii)-catalyzed synthesis of dibenzothiophene derivatives the cleavage of carbon-sulfur and carbon-hydrogen bonds. <i>Chemical Science</i> , <b>2016</b> , 7, 2587-2591	9.4	63
187	Dicumyl Peroxide as a Methylating Reagent in the Ni-Catalyzed Methylation of Ortho C-H Bonds in Aromatic Amides. <i>Organic Letters</i> , <b>2016</b> , 18, 1698-701	6.2	85
186	Conversion of 3,3,3-Trisubstituted Prop-1-yne with tert-Butylhydrazine into 3,3,3-Trisubstituted Propionitriles Catalyzed by TpRh(C <sub>2</sub> H <sub>4</sub> ) <sub>2</sub> /P(2-furyl) <sub>3</sub> . <i>Journal of Organic Chemistry</i> , <b>2016</b> , 81, 3161-7	4.2	5
185	Rhodium-catalyzed regioselective addition of the C-H bond in aromatic amides to the C-C double bond in $\alpha$ -unsaturated lactones and dihydrofurans. <i>Chemical Science</i> , <b>2016</b> , 7, 240-245	9.4	44
184	Iridium/N-heterocyclic carbene-catalyzed C-H borylation of arenes by diisopropylaminoborane. <i>Beilstein Journal of Organic Chemistry</i> , <b>2016</b> , 12, 654-61	2.5	14
183	Nickel-Catalyzed Borylation of Aryl and Benzyl 2-Pyridyl Ethers: A Method for Converting a Robust ortho-Directing Group. <i>Advanced Synthesis and Catalysis</i> , <b>2016</b> , 358, 2417-2421	5.6	48
182	Chelation-Assisted Nickel-Catalyzed Oxidative Annulation via Double C-H Activation/Alkyne Insertion Reaction. <i>Chemistry - A European Journal</i> , <b>2016</b> , 22, 1362-7	4.8	58
181	Nickel-Catalyzed Alkylative Cross-Coupling of Anisoles with Grignard Reagents via C-O Bond Activation. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 6711-4	16.4	108
180	Nickel-Catalyzed Reaction of C-H Bonds in Amides with I <sub>2</sub> : ortho-Iodination via the Cleavage of C(sp <sup>2</sup> )-H Bonds and Oxidative Cyclization to Lactams via the Cleavage of C(sp <sup>3</sup> )-H Bonds. <i>ACS Catalysis</i> , <b>2016</b> , 6, 4323-4329	13.1	97
179	Nickel/N-Heterocyclic Carbene-Catalyzed Suzuki-Miyaura Type Cross-Coupling of Aryl Carbamates. <i>Journal of Organic Chemistry</i> , <b>2016</b> , 81, 9409-9414	4.2	33
178	Rhodium-Catalyzed Alkylation of C-H Bonds in Aromatic Amides with Styrenes via Bidentate-Chelation Assistance. <i>Organic Letters</i> , <b>2015</b> , 17, 3584-7	6.2	47
177	Nickel-catalyzed reductive cleavage of aryl alkyl ethers to arenes in absence of external reductant. <i>Chemical Science</i> , <b>2015</b> , 6, 3410-3414	9.4	88
176	Ni(II)-Catalyzed Sulfonylation of ortho C-H Bonds in Aromatic Amides Utilizing an N,N-Bidentate Directing Group. <i>Chemistry Letters</i> , <b>2015</b> , 44, 902-904	1.7	47

175	Nickel-catalyzed borylation of arenes and indoles via C-H bond cleavage. <i>Chemical Communications</i> , <b>2015</b> , 51, 6508-11	5.8	120
174	Rhodium-catalyzed cross-coupling of aryl carbamates with arylboron reagents. <i>Tetrahedron</i> , <b>2015</b> , 71, 4484-4489	2.4	31
173	Nickel-Catalyzed C-H Bond Functionalization Utilizing an N,N'-Bidentate Directing Group. <i>Topics in Organometallic Chemistry</i> , <b>2015</b> , 19-46	0.6	33
172	Nickel-Catalyzed Cross-Coupling of Anisoles with Alkyl Grignard Reagents via C-O Bond Cleavage. <i>Organic Letters</i> , <b>2015</b> , 17, 4352-5	6.2	94
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159	Nickel-catalyzed alkynylation of anisoles via C-O bond cleavage. <i>Organic Letters</i> , <b>2015</b> , 17, 680-3	6.2	103
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46	Skeletal reorganization of enynes to 1-vinylcycloalkenes catalyzed by GaCl <sub>3</sub> . <i>Journal of the American Chemical Society</i> , <b>2002</b> , 124, 10294-5	16.4	144
45	Mechanistic Study of the Ru(H) <sub>2</sub> (CO)(PPh <sub>3</sub> ) <sub>3</sub> -Catalyzed Addition of C≡C Bonds in Aromatic Esters to Olefins. <i>Chemistry Letters</i> , <b>2001</b> , 30, 918-919	1.7	62
44	The Ruthenium-Catalyzed Addition of C≡C Bonds in Aldehydes to Olefins. <i>Chemistry Letters</i> , <b>2001</b> , 30, 386-387	1.7	88
43	Ru(3)(CO)(12)-catalyzed coupling reaction of sp <sup>3</sup> C-H bonds adjacent to a nitrogen atom in alkylamines with alkenes. <i>Journal of the American Chemical Society</i> , <b>2001</b> , 123, 10935-41	16.4	293
42	Iridium(I)-catalyzed cycloisomerization of enynes. <i>Journal of Organic Chemistry</i> , <b>2001</b> , 66, 4433-6	4.2	113
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40	Ynolate chemistry. Reaction of a silyl ynolate with aziridines leading to gamma-lactams. <i>Journal of Organic Chemistry</i> , <b>2001</b> , 66, 169-74	4.2	29
39	Catalytic carbonylation reactions of benzyne derivatives. <i>Journal of the American Chemical Society</i> , <b>2001</b> , 123, 12686-7	16.4	62
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33	Carbonylative. <i>Journal of Organic Chemistry</i> , <b>2000</b> , 65, 9230-3	4.2	55
32	Acylation of five-membered N-heteroaromatic compounds by ruthenium carbonyl-catalyzed direct carbonylation at a C-H bond. <i>Journal of Organic Chemistry</i> , <b>2000</b> , 65, 4039-47	4.2	70

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30	Ru <sub>3</sub> (CO) <sub>12</sub> -catalyzed reaction of yne-imines with carbon monoxide leading to bicyclic $\beta$ -unsaturated lactams. <i>Journal of Organometallic Chemistry</i> , <b>1999</b> , 579, 177-181	2.3	42
29	The First Catalytic Carbonylative [4 + 1] Cycloaddition Using a 1,3-Conjugated System. A New Transformation of $\beta$ -Unsaturated Imines to Unsaturated $\beta$ -Lactams Catalyzed by Ru <sub>3</sub> (CO) <sub>12</sub> . <i>Journal of the American Chemical Society</i> , <b>1999</b> , 121, 1758-1759	16.4	64
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25	The Ruthenium-Catalyzed Addition of C-H Bonds in Aromatic Nitriles to Olefins. <i>Chemistry Letters</i> , <b>1999</b> , 28, 1083-1084	1.7	79
24	Ru <sub>3</sub> (CO) <sub>12</sub> - and Rh <sub>4</sub> (CO) <sub>12</sub> -Catalyzed Reactions of Pyridylolefins or N-(2-Pyridyl)enamines with CO and Olefins. Carbonylation at Olefinic C $\equiv$ Bonds. <i>Journal of Organic Chemistry</i> , <b>1998</b> , 63, 5129-5136	4.2	46
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20	Rhodium-Catalyzed Si-F Exchange Reaction between Fluorobenzenes and a Disilane. Catalytic Reaction Involving Cleavage of C-F Bonds. <i>Chemistry Letters</i> , <b>1998</b> , 27, 157-158	1.7	92
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15	Rhodium-Catalyzed Reaction of N-(2-Pyridinyl)piperazines with CO and Ethylene. A Novel Carbonylation at a C $\equiv$ Bond in the Piperazine Ring. <i>Organometallics</i> , <b>1997</b> , 16, 3615-3622	3.8	80
14	Reductive Oligomerization of Carbon Monoxide by Rhodium-Catalyzed Reaction with Hydrosilanes. <i>Journal of the American Chemical Society</i> , <b>1997</b> , 119, 4303-4304	16.4	16

13	Rhodium-Catalyzed Reaction of N-Acylpiperazines with CO and Ethylene. Carbonylation at a C-H Bond Directed by an Amido Group. <i>Tetrahedron Letters</i> , <b>1997</b> , 38, 7565-7568	2	35
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8	Highly Selective Skeletal Reorganization of 1,6- and 1,7-Enynes to 1-Vinylcycloalkenes Catalyzed by [RuCl <sub>2</sub> (CO) <sub>3</sub> ] <sub>2</sub> . <i>Journal of the American Chemical Society</i> , <b>1994</b> , 116, 6049-6050	16.4	213
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6	Efficient catalytic addition of aromatic carbon-hydrogen bonds to olefins. <i>Nature</i> , <b>1993</b> , 366, 529-531	50.4	1120
5	Catalytic Reactions Involving Silylmetallation as the Key Step.. <i>Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry</i> , <b>1993</b> , 51, 421-433	0.2	19
4	Nickel-Catalyzed Cross-Coupling of 2-Methoxynaphthalene with Methyl 4-(5,5-Dimethyl-1,3,2-Dioxaborinan-2-yl)Benzoate		
3	The Directing Group: A Tool for Efficient and Selective C-H Bond Activation. <i>ACS Catalysis</i> , 12915-12930	13.1	8
2	Nickel-Catalyzed C-F/O-H [4+2] Annulation of ortho-Fluoro Aromatic Carboxylic Acids with Alkynes. <i>Chemistry Letters</i> ,	1.7	1
1	Rhodium(III)-Catalyzed Oxidative C-H Alkylation of Aniline Derivatives with Allylic Alcohols To Produce Aryl Ketones. <i>ACS Catalysis</i> , 4394-4401	13.1	4