Yoshiaki Nishibayashi

List of Publications by Citations

Source: https://exaly.com/author-pdf/2269815/yoshiaki-nishibayashi-publications-by-citations.pdf
Version: 2024-04-09

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.
The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

294 papers	14,945 citations	71 h-index	107 g-index
410 ext. papers	16,613 ext. citations	7.1 avg, IF	7.1 L-index

#	Paper	IF	Citations
294	A molybdenum complex bearing PNP-type pincer ligands leads to the catalytic reduction of dinitrogen into ammonia. *Nature Chemistry*, **2011**, 3, 120-5	17.6	547
293	Visible-light-mediated utilization of α-aminoalkyl radicals: addition to electron-deficient alkenes using photoredox catalysts. *Journal of the American Chemical Society*, **2012**, 134, 3338-41	16.4	315
292	Developing more sustainable processes for ammonia synthesis. *Coordination Chemistry Reviews*, **2013**, 257, 2551-2564	23.2	255
291	Synthetic Utilization of α-Aminoalkyl Radicals and Related Species in Visible Light Photoredox Catalysis. *Accounts of Chemical Research*, **2016**, 49, 1946-56	24.3	254
290	Catalytic transformation of dinitrogen into ammonia and hydrazine by iron-dinitrogen complexes bearing pincer ligand. *Nature Communications*, **2016**, 7, 12181	17.4	205
289	Catalytic reduction of dinitrogen to ammonia by use of molybdenum-nitride complexes bearing a tridentate triphosphine as catalysts. *Journal of the American Chemical Society*, **2015**, 137, 5666-9	16.4	193
288	Asymmetric Synthesis and Highly Diastereoselective ortho-Lithiation of Oxazolinylferrocenes. *Synlett*, **1995**, 1995, 79-81	2.2	191
287	Molybdenum-catalysed ammonia production with samarium diiodide and alcohols or water. *Nature*, **2019**, 568, 536-540	50.4	181
286	Recent progress in transition-metal-catalyzed reduction of molecular dinitrogen under ambient reaction conditions. *Inorganic Chemistry*, **2015**, 54, 9234-47	5.1	181
285	Catalytic Propargylic Substitution Reactions. *ChemCatChem*, **2009**, 1, 342-356	5.2	180
284	Novel Propargylic Substitution Reactions Catalyzed by Thiolate-Bridged Diruthenium Complexes via Allenylidene Intermediates. *Journal of the American Chemical Society*, **2000**, 122, 11019-11020	16.4	176
283	Transition-Metal-Catalyzed Enantioselective Propargylic Substitution Reactions of Propargylic Alcohol Derivatives with Nucleophiles. *Synthesis*, **2012**, 2012, 489-503	2.9	173
282	Copper-catalyzed enantioselective propargylic amination of propargylic esters with amines: copper-allenylidene complexes as key intermediates. *Journal of the American Chemical Society*, **2010**, 132, 10592-608	16.4	166
281	Novel ruthenium- and platinum-catalyzed sequential reactions: synthesis of tri- and tetrasubstituted furans and pyrroles from propargylic alcohols and ketones. *Angewandte Chemie - International Edition*, **2003**, 42, 2681-4	16.4	166
280	Catalytic formation of ammonia from molecular dinitrogen by use of dinitrogen-bridged dimolybdenum-dinitrogen complexes bearing PNP-pincer ligands: remarkable effect of substituent at PNP-pincer ligand. *Journal of the American Chemical Society*, **2014**, 136, 9719-31	16.4	165
279	Interplay between Theory and Experiment for Ammonia Synthesis Catalyzed by Transition Metal Complexes. *Accounts of Chemical Research*, **2016**, 49, 987-95	24.3	164
278	Copper-catalyzed asymmetric propargylic substitution reactions of propargylic acetates with amines. *Angewandte Chemie - International Edition*, **2008**, 47, 3781-3	16.4	160

277	Ruthenium-catalyzed propargylic substitution reactions of propargylic alcohols with oxygen-, nitrogen-, and phosphorus-centered nucleophiles. *Chemistry - A European Journal*, **2005**, 11, 1433-51	4.8	156
276	Remarkable catalytic activity of dinitrogen-bridged dimolybdenum complexes bearing NHC-based PCP-pincer ligands toward nitrogen fixation. *Nature Communications*, **2017**, 8, 14874	17.4	153
275	Direct Transformation of Molecular Dinitrogen into Ammonia Catalyzed by Cobalt Dinitrogen Complexes Bearing Anionic PNP Pincer Ligands. *Angewandte Chemie - International Edition*, **2016**, 55, 14291-14295	16.4	152
274	Ruthenium-catalyzed propargylation of aromatic compounds with propargylic alcohols. *Journal of the American Chemical Society*, **2002**, 124, 11846-7	16.4	149
273	Ruthenium-Catalyzed Asymmetric Hydrosilylation of Ketones and Imine. *Organometallics*, **1998**, 17, 3420-3422	3.8	149
272	Ruthenium-catalyzed enantioselective propargylation of aromatic compounds with propargylic alcohols via allenylidene intermediates. *Angewandte Chemie - International Edition*, **2007**, 46, 6488-91	16.4	143
271	Ruthenium- and gold-catalysed sequential reactions: a straightforward synthesis of substituted oxazoles from propargylic alcohols and amides. *Chemical Communications*, **2004**, 2712-3	5.8	138
270	Extremely High Enantioselective Redox Reaction of Ketones and Alcohols Catalyzed by RuCl2(PPh3)(oxazolinylferrocenylphosphine). *Organometallics*, **1999**, 18, 2291-2293	3.8	135
269	Ruthenium-catalyzed enantioselective carbon-carbon bond forming reaction via allenylidene-ene process: synthetic approach to chiral heterocycles such as chromane, thiochromane, and 1,2,3,4-tetrahydroquinoline derivatives. *Journal of the American Chemical Society*, **2008**, 130, 10498-9	16.4	134
268	Chiral Oxazolinylferrocene-Phosphine Hybrid Ligand for the Asymmetric Hydrosilylation of Ketones. *Organometallics*, **1995**, 14, 5486-5487	3.8	133
267	Unique behaviour of dinitrogen-bridged dimolybdenum complexes bearing pincer ligand towards catalytic formation of ammonia. *Nature Communications*, **2014**, 5, 3737	17.4	131
266	Cooperative catalytic reactions using organocatalysts and transition-metal catalysts: enantioselective propargylic alkylation of propargylic alcohols with aldehydes. *Angewandte Chemie - International Edition*, **2010**, 49, 7289-93	16.4	131
265	Ir- and Ru-catalyzed sequential reactions: asymmetric alpha-alkylative reduction of ketones with alcohols. *Angewandte Chemie - International Edition*, **2006**, 45, 3819-22	16.4	131
264	Propargylation of aromatic compounds with propargylic alcohols catalyzed by a cationic diruthenium complex. *Angewandte Chemie - International Edition*, **2003**, 42, 1495-8	16.4	131
263	Molybdenum-catalyzed transformation of molecular dinitrogen into silylamine: experimental and DFT study on the remarkable role of ferrocenyldiphosphine ligands. *Journal of the American Chemical Society*, **2011**, 133, 3498-506	16.4	130
262	Ruthenium-catalyzed propargylic alkylation of propargylic alcohols with ketones: straightforward synthesis of gamma-keto acetylenes. *Journal of the American Chemical Society*, **2001**, 123, 3393-4	16.4	127
261	Nickel- and Photoredox-Catalyzed Cross-Coupling Reactions of Aryl Halides with 4-Alkyl-1,4-dihydropyridines as Formal Nucleophilic Alkylation Reagents. *Angewandte Chemie - International Edition*, **2016**, 55, 14106-14110	16.4	127
260	Ruthenium-catalyzed asymmetric propargylic substitution reactions of propargylic alcohols with acetone. *Angewandte Chemie - International Edition*, **2005**, 44, 7715-7	16.4	123

259	Ruthenium-catalyzed cycloaddition of propargylic alcohols with phenol derivatives via allenylidene intermediates: catalytic use of the allenylidene ligand as the C(3) unit. *Journal of the American Chemical Society*, **2002**, 124, 7900-1	16.4	119
258	Copper-catalyzed enantioselective propargylic etherification of propargylic esters with alcohols. *Journal of the American Chemical Society*, **2015**, 137, 2472-5	16.4	117
257	Catalytic Nitrogen Fixation via Direct Cleavage of Nitrogen–Nitrogen Triple Bond of Molecular Dinitrogen under Ambient Reaction Conditions. *Bulletin of the Chemical Society of Japan*, **2017**, 90, 1111-1118	5.1	111
256	Visible-light-mediated addition of α-aminoalkyl radicals generated from α-silylamines to α,β-unsaturated carbonyl compounds. *Chemical Communications*, **2012**, 48, 6966-8	5.8	109
255	Iron-catalysed transformation of molecular dinitrogen into silylamine under ambient conditions. *Nature Communications*, **2012**, 3, 1254	17.4	109
254	Remarkable effect of N-substituent on enantioselective ruthenium-catalyzed propargylation of indoles with propargylic alcohols. *Organic Letters*, **2007**, 9, 5561-4	6.2	109
253	Ruthenium-catalyzed propargylic substitution reaction of propargylic alcohols with thiols: a general synthetic route to propargylic sulfides. *Journal of the American Chemical Society*, **2002**, 124, 15172-3	16.4	107
252	Buckminsterfullerenes: a non-metal system for nitrogen fixation. *Nature*, **2004**, 428, 279-80	50.4	106
251	Novel Chiral Ligands, Diferrocenyl Dichalcogenides and Their Derivatives, for Rhodium- and Iridium-Catalyzed Asymmetric Hydrosilylation. *Organometallics*, **1996**, 15, 370-379	3.8	106
250	Construction of Chiral Tri- and Tetra-Arylmethanes Bearing Quaternary Carbon Centers: Copper-Catalyzed Enantioselective Propargylation of Indoles with Propargylic Esters. *Angewandte Chemie - International Edition*, **2016**, 55, 9728-32	16.4	102
249	Catalytic Asymmetric Sulfimidation. *Journal of Organic Chemistry*, **1997**, 62, 6512-6518	4.2	99
248	Synthesis and Catalytic Activity of Molybdenum–Dinitrogen Complexes Bearing Unsymmetric PNP-Type Pincer Ligands. *Organometallics*, **2012**, 31, 8437-8443	3.8	95
247	Synergistic dimetallic effects in propargylic substitution reaction catalyzed by thiolate-bridged diruthenium complex. *Journal of the American Chemical Society*, **2005**, 127, 9428-38	16.4	95
246	Direct sp3 C-H amination of nitrogen-containing benzoheterocycles mediated by visible-light-photoredox catalysts. *Chemistry - A European Journal*, **2012**, 18, 16473-7	4.8	90
245	Enantioselective ring-opening reactions of racemic ethynyl epoxides via copper-allenylidene intermediates: efficient approach to chiral beta-amino alcohols. *Journal of Organic Chemistry*, **2009**, 74, 7603-7	4.2	90
244	Ruthenium-catalyzed propargylic reduction of propargylic alcohols with silanes. *Angewandte Chemie - International Edition*, **2006**, 45, 4835-9	16.4	90
243	Enantioselective ortho-Lithiation of Substituted Ferrocenes. *Journal of Organic Chemistry*, **1996**, 61, 1172-1174	4.2	90
242	Visible light-mediated oxidative decarboxylation of arylacetic acids into benzyl radicals: addition to electron-deficient alkenes by using photoredox catalysts. *Chemical Communications*, **2013**, 49, 7854-6	5.8	89

241	Cleavage and formation of molecular dinitrogen in a single system assisted by molybdenum complexes bearing ferrocenyldiphosphine. *Angewandte Chemie - International Edition*, **2014**, 53, 11488-92	16.4	89
240	Preparation of a Series of Chalcogenolate-Bridged Diruthenium Complexes and Their Catalytic Activities toward Propargylic Substitution Reactions. *Organometallics*, **2004**, 23, 26-30	3.8	89
239	Nitrogen fixation catalyzed by ferrocene-substituted dinitrogen-bridged dimolybdenum-dinitrogen complexes: unique behavior of ferrocene moiety as redox active site. *Chemical Science*, **2015**, 6, 3940-3951	9.4	88
238	Visible-Light-Mediated Aromatic Substitution Reactions of Cyanoarenes with 4-Alkyl-1,4-dihydropyridines through Double Carbon–Carbon Bond Cleavage. *ChemCatChem*, **2016**, 8, 1028-1032	5.2	85
237	Synthesis of [R,S;R,S]- and [S,R;S,R]-Bis[2-[1-(dimethylamino)ethyl]ferrocenyl] Diselenides and Their Application to Asymmetric Selenoxide Elimination and [2,3]Sigmatropic Rearrangement. *Journal of Organic Chemistry*, **1995**, 60, 4114-4120	4.2	83
236	Cooperative catalytic reactions using organocatalysts and transition metal catalysts: enantioselective propargylic alkylation of propargylic esters with aldehydes. *Organic Letters*, **2011**, 13, 592-5	6.2	81
235	Catalytic Reduction of Molecular Dinitrogen to Ammonia and Hydrazine Using Vanadium Complexes. *Angewandte Chemie - International Edition*, **2018**, 57, 9064-9068	16.4	79
234	Ruthenium- and platinum-catalyzed sequential reactions: selective synthesis of fused polycyclic compounds from propargylic alcohols and alkenes. *Journal of the American Chemical Society*, **2004**, 126, 16066-72	16.4	79
233	Ruthenium-catalyzed carbon-carbon bond formation between propargylic alcohols and alkenes via the allenylidene-ene reaction. *Journal of the American Chemical Society*, **2003**, 125, 6060-1	16.4	77
232	Design and preparation of a chiral ligand based on a pseudorotaxane skeleton: application to rhodium-catalyzed enantioselective hydrogenation of enamides. *Journal of the American Chemical Society*, **2007**, 129, 12930-1	16.4	76
231	Catalytic Dinitrogen Fixation to Form Ammonia at Ambient Reaction Conditions Using Transition Metal-Dinitrogen Complexes. *Chemical Record*, **2016**, 16, 1549-77	6.6	76
230	Preparation of Alkanechalcogenolate- and Benzenechalcogenolate-Bridged Diruthenium Complexes and Their Catalytic Activity toward Propargylation of Acetone with Propargylic Alcohol. *Organometallics*, **2004**, 23, 5100-5103	3.8	73
229	Synthesis of Diruthenium Complexes Containing Chiral Thiolate-Bridged Ligands and Their Application to Catalytic Propargylic Alkylation of Propargylic Alcohols with Acetone. *Organometallics*, **2003**, 22, 873-876	3.8	73
228	Oxidative kinetic resolution of racemic alcohols catalyzed by chiral ferrocenyloxazolinylphosphine-ruthenium complexes. *Journal of Organic Chemistry*, **2003**, 68, 5875-80	4.2	73
227	Cobalt-catalyzed transformation of molecular dinitrogen into silylamine under ambient reaction conditions. *Chemistry - A European Journal*, **2015**, 21, 8905-9	4.8	72
226	Hydroboration of Alkynes Catalyzed by Pyrrolide-Based PNP Pincer-Iron Complexes. *Organic Letters* , **2017**, 19, 4323-4326	6.2	71
225	Ruthenium-Catalyzed Propargylation of Aromatic Compounds with Propargylic Alcohols. *European Journal of Organic Chemistry*, **2006**, 2006, 881-890	3.2	71
224	The first example of enantioselective carbenoid addition to organochalcogen atoms: application to [2,3]sigmatropic rearrangement of allylic chalcogen ylides. *Journal of the Chemical Society Chemical Communications*, **1995**, 1245		71

223	Ruthenium-Catalyzed Novel Carbon-Carbon Bond Forming Reactions via Ruthenium-Allenylidene Complexes. *Current Organic Chemistry*, **2006**, 10, 135-150	1.7	69
222	Development of catalytic nitrogen fixation using transition metal-dinitrogen complexes under mild reaction conditions. *Dalton Transactions*, **2018**, 47, 11290-11297	4.3	67
221	Synthesis and Protonation of Molybdenum- and Tungsten-Dinitrogen Complexes Bearing PNP-Type Pincer Ligands. *Organometallics*, **2012**, 31, 2035-2041	3.8	65
220	Ruthenium-catalyzed cycloaddition between propargylic alcohols and cyclic 1,3-dicarbonyl compounds via an allenylidene intermediate. *Journal of Organic Chemistry*, **2004**, 69, 3408-12	4.2	65
219	Iridium-Catalyzed Asymmetric Hydrosilylation of Imines Using Chiral Oxazolinyl-Phosphine Ligands. *Organometallics*, **1999**, 18, 2271-2274	3.8	65
218	Catalytic asymmetric oxidation of sulfides to sulfoxides using R-(+)-binaphthol. *Tetrahedron Letters*, **1992**, 33, 5391-5394	2	65
217	Ruthenium-catalyzed reactions of 1-cyclopropyl-2-propyn-1-ols with anilines and water via allenylidene intermediates: selective preparation of tri- and tetrasubstituted conjugated enynes. *Journal of the American Chemical Society*, **2007**, 129, 5175-9	16.4	64
216	Mechanism and reactivity of catalytic propargylic substitution reactions via metal-allenylidene intermediates: a theoretical perspective. *Catalysis Science and Technology*, **2018**, 8, 12-25	5.5	63
215	Synthesis of chiral diferrocenyl diselenides and their application to asymmetric reactions. *Tetrahedron Letters*, **1994**, 35, 3115-3118	2	62
214	Synthesis and Reactivity of Iron- and Cobalt-Dinitrogen Complexes Bearing PSiP-Type Pincer Ligands toward Nitrogen Fixation. *European Journal of Inorganic Chemistry*, **2017**, 2017, 3769-3778	2.3	61
213	Copper-catalyzed enantioselective propargylic amination of nonaromatic propargylic esters with amines. *Organic Letters*, **2011**, 13, 2460-3	6.2	61
212	Iridium(I)-catalysed asymmetric hydrosilylation of ketones using a chiral oxazolylferrocene-phosphine hybrid ligand. *Chemical Communications*, **1996**, 847	5.8	61
211	Copper-catalyzed nucleophilic trifluoromethylation of allylic halides: a simple approach to allylic trifluoromethylation. *Chemistry - A European Journal*, **2012**, 18, 13255-8	4.8	59
210	Molybdenum-catalyzed reduction of molecular dinitrogen under mild reaction conditions. *Dalton Transactions*, **2012**, 41, 7447-53	4.3	59
209	Asymmetric carboselenenylation reaction of alkenes with aromatic compounds. *Angewandte Chemie - International Edition*, **2005**, 44, 3588-91	16.4	59
208	Ruthenium-triggered ring opening of ethynylcyclopropanes: [3+2] cycloaddition with aldehydes and aldimines involving metal allenylidene intermediates. *Angewandte Chemie - International Edition*, **2013**, 52, 1758-62	16.4	58
207	Cooperative Catalytic Reactions Using Lewis Acids and Organocatalysts: Enantioselective Propargylic Alkylation of Propargylic Alcohols Bearing an Internal Alkyne with Aldehydes. *European Journal of Organic Chemistry*, **2011**, 2011, 2239-2246	3.2	58
206	Ruthenium-Catalyzed Enantioselective Propargylation of Aromatic Compounds with Propargylic Alcohols via Allenylidene Intermediates. *Angewandte Chemie*, **2007**, 119, 6608-6611	3.6	58

205	Novel asymmetric catalytic synthesis of sulfimides. *Chemical Communications*, **1996**, 931	5.8	58
204	Cooperative catalytic reactions using distinct transition-metal catalysts: ruthenium- and copper-catalyzed enantioselective propargylic alkylation. *Chemistry - A European Journal*, **2012**, 18, 3321-8	4.8	57
203	Visible-light-mediated addition of α-aminoalkyl radicals to [60]fullerene by using photoredox catalysts. *Chemistry - A European Journal*, **2014**, 20, 6120-5	4.8	56
202	Ruthenium-Catalyzed Enantioselective [3+3] Cycloaddition of Propargylic Alcohols with 2-Naphthols. *Organometallics*, **2010**, 29, 2126-2131	3.8	56
201	Copper-Catalyzed Asymmetric Propargylic Substitution Reactions of Propargylic Acetates with Amines. *Angewandte Chemie*, **2008**, 120, 3841-3843	3.6	56
200	Rhodium(I)-catalysed asymmetric hydrosilylation of ketones using new diferrocenyl dichalcogenides (R,S)-{[EC5H3CHMe(NMe2)]Fe(C5H5)}2(E = S, Se, Te), as chiral ligands. *Journal of the Chemical Society Chemical Communications*, **1994**, 1375		56
199	Enantioselective intramolecular propargylic amination using chiral copper-pybox complexes as catalysts. *Chemical Communications*, **2014**, 50, 7874-7	5.8	55
198	Synthesis and structure of novel chiral oxazolinylferrocenes and oxazolinylferrocenylphosphines, and their rhodium(I)-complexes. *Journal of Organometallic Chemistry*, **1997**, 545-546, 381-398	2.3	55
197	Copper-Catalyzed Diastereo- and Enantioselective Sequential Reactions of Propargylic Acetates with (E)-2,4-Pentadienylamine. *ChemCatChem*, **2010**, 2, 155-158	5.2	54
196	Ruthenium-Catalyzed Asymmetric Propargylic Substitution Reactions of Propargylic Alcohols with Acetone. *Angewandte Chemie*, **2005**, 117, 7893-7895	3.6	54
195	Synthesis of Heterobimetallic Fe-M (M = Ni, Pd, Pt) Complexes Containing the 1,1′-Ferrocenedithiolato Ligand and Their Conversion to Trinuclear Complexes. *Inorganic Chemistry*, **1998**, 37, 6428-6434	5.1	54
194	Ruthenium-Catalyzed Intramolecular Cyclization of 3-Butyne-1,2-diols into Furans. *Organometallics*, **2008**, 27, 3614-3617	3.8	53
193	Synthesis and reactivity of iron-dinitrogen complexes bearing anionic methyl- and phenyl-substituted pyrrole-based PNP-type pincer ligands toward catalytic nitrogen fixation. *Chemical Communications*, **2017**, 53, 12040-12043	5.8	51
192	Palladium-catalyzed cross-coupling reactions between organic tellurides and alkenes. *Journal of Organometallic Chemistry*, **1996**, 507, 197-200	2.3	51
191	Ruthenium-Catalyzed Allylation of Aromatic Compounds and Allylic Ether Formation. *Organometallics*, **2004**, 23, 5841-5848	3.8	49
190	Direct Transformation of Molecular Dinitrogen into Ammonia Catalyzed by Cobalt Dinitrogen Complexes Bearing Anionic PNP Pincer Ligands. *Angewandte Chemie*, **2016**, 128, 14503-14507	3.6	48
189	Cooperative Catalytic Reactions Using Organocatalysts and Transition-Metal Catalysts: Enantioselective Propargylic Alkylation of Propargylic Alcohols with Aldehydes. *Angewandte Chemie*, **2010**, 122, 7447-7451	3.6	48
188	Cyclization of Terminal Diynes Catalyzed by Thiolate-Bridged Diruthenium Complexes: A Simple Synthetic Route to endo-Macrocyclic (Z)-1-En-3-ynes. *Angewandte Chemie - International Edition*, **2000**, 39, 2909-2911	16.4	48

187	Ruthenium-Catalyzed Enantioselective Intramolecular Propargylation of Thiophenes with Propargylic Alcohols. *Organometallics*, **2009**, 28, 2920-2926	3.8	47
186	Double phosphinylation of propargylic alcohols: a novel synthetic route to 1,2-bis(diphenylphosphino)ethane derivatives. *Organic Letters*, **2004**, 6, 3993-5	6.2	47
185	Vanadium-catalyzed Reduction of Molecular Dinitrogen into Silylamine under Ambient Reaction Conditions. *Chemistry Letters*, **2017**, 46, 466-468	1.7	46
184	Preparation and reactivity of iron complexes bearing anionic carbazole-based PNP-type pincer ligands toward catalytic nitrogen fixation. *Dalton Transactions*, **2018**, 47, 1117-1121	4.3	46
183	Synthesis of nitrogen heterocycles via α-aminoalkyl radicals generated from α-silyl secondary amines under visible light irradiation. *Chemical Communications*, **2014**, 50, 8900-3	5.8	46
182	Copper-catalyzed nucleophilic trifluoromethylation of propargylic halides. *Chemical Communications*, **2013**, 49, 7809-11	5.8	45
181	Synthesis of Group IV (Zr, Hf)−Group VIII (Fe, Ru) Heterobimetallic Complexes Bearing Metallocenyl Diphosphine Moieties and Their Application to Catalytic Dehydrogenation of Amine−Boranes. *Organometallics*, **2011**, 30, 2394-2404	3.8	45
180	Synthesis and Reactivity of Tungsten−and Molybdenum−Dinitrogen Complexes Bearing Ferrocenyldiphosphines toward Protonolysis. *Organometallics*, **2008**, 27, 3947-3953	3.8	45
179	Formation of ammonia in the reactions of a tungsten dinitrogen with ruthenium dihydrogen complexes under mild reaction conditions. *Inorganic Chemistry*, **2000**, 39, 5946-57	5.1	45
178	Highly selective asymmetric intramolecular selenocyclisation. *Journal of the Chemical Society Chemical Communications*, **1995**, 2321		45
177	Recent advances in catalytic silylation of dinitrogen using transition metal complexes. *Coordination Chemistry Reviews*, **2019**, 389, 73-93	23.2	44
176	Cooperative catalysis: enantioselective propargylic alkylation of propargylic alcohols with enecarbamates using ruthenium/phosphoramide hybrid catalysts. *Angewandte Chemie - International Edition*, **2015**, 54, 4060-4	16.4	44
175	Ruthenium(II)-catalyzed asymmetric transfer hydrogenation of ketones using chiral oxazolinylferrocenylphosphines and one of their Ru(II) complex. *Journal of Organometallic Chemistry*, **1999**, 572, 163-168	2.3	44
174	Cooperative Catalytic Reactions Using Organocatalysts and Transition Metal Catalysts: Propargylic Allylation of Propargylic Alcohols with α,β-Unsaturated Aldehydes. *Organometallics*, **2012**, 31, 3810-3813	3.8	43
173	Synthesis, Structures, and Reactivities of Rhodium and Ruthenium Complexes with a Novel Chiral Cyclopentadienyl−Ferrocenyldiphenylphosphine Bidentate Ligand. *Organometallics*, **1997**, 16, 3091-3093	3.8	43
172	Novel Ruthenium- and Platinum-Catalyzed Sequential Reactions: Synthesis of Tri- and Tetrasubstituted Furans and Pyrroles from Propargylic Alcohols and Ketones. *Angewandte Chemie*, **2003**, 115, 2785-2788	3.6	43
171	Rhodium(I)-, iridium(I)-, and ruthenium(II)-catalyzed asymmetric transfer hydrogenation of ketones using diferrocenyl dichalcogenides as chiral ligands. *Journal of Organometallic Chemistry*, **1997**, 531, 13-18	2.3	42
170	Propargylation of Aromatic Compounds with Propargylic Alcohols Catalyzed by a Cationic Diruthenium Complex. *Angewandte Chemie*, **2003**, 115, 1533-1536	3.6	41

169	Ruthenium-catalysed asymmetric hydrosilylation of ketoximes using chiral oxazolinylferrocenylphosphines. *Chemical Communications*, **2001**, 2360-1	5.8	41
168	Ruthenium- and Copper-Catalyzed Enantioselective Propargylic Alkylation of Propargylic Alcohols with β-Keto Phosphonates. *Organometallics*, **2012**, 31, 3426-3430	3.8	40
167	Design and Synthesis of Diphosphine Ligands Bearing an Osmium(II) Bis(terpyridyl) Moiety as a Light-Harvesting Unit: Application to Photocatalytic Production of Dihydrogen. *Organometallics*, **2009**, 28, 5240-5243	3.8	40
166	Ir- and Ru-Catalyzed Sequential Reactions: Asymmetric α-Alkylative Reduction of Ketones with Alcohols. *Angewandte Chemie*, **2006**, 118, 3903-3906	3.6	39
165	Preparation of Dicationic Chalcogenolate-Bridged Diruthenium Complexes and Their Dual Catalytic Activity toward Reactions between Propargylic Alcohols and Acetone. *Organometallics*, **2005**, 24, 5799-5801	3.8	39
164	Intramolecular Edge-to-Face Aromatic Interaction in Optically Active Ruthenium-Allenylidene Complexes for Enantioselective Propargylic Substitution Reactions. *Organometallics*, **2010**, 29, 2381-2384	3.8	38
163	Ruthenium-Catalyzed Dienyne Formation from Propargylic Alcohols and 1,3-Conjugated Dienes. *Organometallics*, **2008**, 27, 2046-2051	3.8	38
162	Cleavage and Formation of Molecular Dinitrogen in a Single System Assisted by Molybdenum Complexes Bearing Ferrocenyldiphosphine. *Angewandte Chemie*, **2014**, 126, 11672-11676	3.6	37
161	A Model for Protonation of Dinitrogen by Nitrogenase: Protonation of Coordinated Dinitrogen on Tungsten with Hydrosulfido-Bridged Dinuclear Complexes1. *Journal of the American Chemical Society*, **1998**, 120, 10559-10560	16.4	37
160	Oxidative addition of diferrocenyl dichalcogenides to [{Ru(η5-C5Me5)(μ3-Cl)}4]. Syntheses, crystal structures and some reactivities of [{Ru(η5-C5Me5)Cl(μ-ER)}2](E = S, Se or Te; R = ferrocenyl). *Journal of the Chemical Society Dalton Transactions*, **1996**, 4307-4312		37
159	Palladium-catalyzed homocoupling reactions of organic tellurides. *Journal of Organometallic Chemistry*, **1996**, 526, 335-339	2.3	37
158	Nickel- and Photoredox-Catalyzed Cross-Coupling Reactions of Aryl Halides with 4-Alkyl-1,4-dihydropyridines as Formal Nucleophilic Alkylation Reagents. *Angewandte Chemie*, **2016**, 128, 14312-14316	3.6	37
157	Ruthenium-catalysed oxidative conversion of ammonia into dinitrogen. *Nature Chemistry*, **2019**, 11, 702-709	17.6	36
156	Ruthenium-catalyzed sequential reactions: deracemization of secondary benzylic alcohols. *Chemistry - an Asian Journal*, **2007**, 2, 393-6	4.5	36
155	Ruthenium-Catalyzed Reductive Coupling Reaction of Propargylic Alcohols via Hydroboration of Allenylidene Intermediates. *Organometallics*, **2006**, 25, 35-37	3.8	36
154	Azaferrocene-Based PNP-Type Pincer Ligand: Synthesis of Molybdenum, Chromium, and Iron Complexes and Reactivity toward Nitrogen Fixation. *European Journal of Inorganic Chemistry*, **2016**, 2016, 4856-4861	2.3	35
153	Preparation and reactivity of molybdenum-dinitrogen complexes bearing an arsenic-containing ANA-type pincer ligand. *Chemical Communications*, **2013**, 49, 9290-2	5.8	34
152	Design and preparation of molybdenum-dinitrogen complexes with ferrocenyldiphosphine and pentamethylcyclopentadienyl moieties as auxiliary ligands. *Chemistry - A European Journal*, **2013**, 19, 11874-7	4.8	34

151	Preparation and Protonation of Tungsten- and Molybdenum-Dinitrogen Complexes Bearing Bis(dialkylphosphinobenzene)chromiums as Auxiliary Ligands. *Organometallics*, **2009**, 28, 5821-5827	3.8	34
150	Protonation of coordinated N2 on tungsten with H2 mediated by sulfido-bridged dinuclear molybdenum complexes. *Inorganic Chemistry*, **2001**, 40, 578-80	5.1	34
149	Molybdenum-Catalyzed Ammonia Formation Using Simple Monodentate and Bidentate Phosphines as Auxiliary Ligands. *Inorganic Chemistry*, **2019**, 58, 8927-8932	5.1	32
148	Synthesis and Protonolysis of Tungsten□and Molybdenum□Dinitrogen Complexes Bearing Ruthenocenyldiphosphines. *Organometallics*, **2009**, 28, 4741-4746	3.8	32
147	Ruthenium-catalyzed formation of aryl(diphenyl)phosphine oxides by reactions of propargylic alcohols with diphenylphosphine oxide. *Organic Letters*, **2005**, 7, 4029-32	6.2	32
146	Synthesis of Sulfur- and Nitrogen-Bridged Diiron Complexes and Catalytic Behavior toward Hydrazines. *Organometallics*, **2012**, 31, 2953-2956	3.8	31
145	A DFT study on the reaction pathways for carbon-carbon bond-forming reactions between propargylic alcohols and alkenes or ketones catalyzed by thiolate-bridged diruthenium complexes. *Chemistry - an Asian Journal*, **2009**, 4, 81-8	4.5	31
144	Ruthenium-Catalyzed Oxypropargylation of Alkenes. *Organometallics*, **2009**, 28, 48-50	3.8	31
143	Allylation of arenes catalysed by thiolate-bridged dirutheniumcomplexes. *Chemical Communications* , **1997**, 859-860	5.8	31
142	Novel Catalytic Hydrogenolysis of Trimethylsilyl Enol Ethers by the Use of an Acidic Ruthenium Dihydrogen Complex. *Angewandte Chemie - International Edition*, **1999**, 38, 3047-3050	16.4	31
141	Asymmetric Baeyer□Villiger Oxidation of Cyclic Ketones Using Chiral Organoselenium Catalysts. *Bulletin of the Chemical Society of Japan*, **2002**, 75, 2233-2237	5.1	30
140	Synthesis and Catalytic Activity of Molybdenum□Nitride Complexes Bearing Pincer Ligands. *European Journal of Inorganic Chemistry*, **2015**, 2015, 1789-1794	2.3	29
139	Asymmetric selenoxide elimination leading to chiral allenic sulfones. *Journal of Organic Chemistry*, **1993**, 58, 3697-3702	4.2	29
138	Preparation of Thiolate-Bridged Dinuclear Ruthenium Complexes Bearing a Phosphine Ligand and Application to Propargylic Reduction of Propargylic Alcohols with 2-Propanol. *Organometallics*, **2010**, 29, 5994-6001	3.8	28
137	Ruthenium-Catalyzed Propargylic Reduction of Propargylic Alcohols with Silanes. *Angewandte Chemie*, **2006**, 118, 4953-4957	3.6	28
136	Selenoxide Elimination and [2,3]Sigmatropic Rearrangement. *Topics in Current Chemistry*, **2000**, 201-233		28
135	High chirality transfer in chiral selenimides via[2,3]sigmatropic rearrangement. *Journal of the Chemical Society Chemical Communications*, **1995**, 1243		28
134	Synthesis of chiral diferrocenyl dichalcogenides and their application to asymmetric nucleophilic ring opening of meso-epoxides. *Journal of the Chemical Society Perkin Transactions 1*, **1995**, 2871		28

133	Construction of Chiral Tri- and Tetra-Arylmethanes Bearing Quaternary Carbon Centers: Copper-Catalyzed Enantioselective Propargylation of Indoles with Propargylic Esters. *Angewandte Chemie*, **2016**, 128, 9880-9884	3.6	28
132	Catalytic cycloisomerization of 1,5-enynes to 1,3-cyclohexadienes via ruthenium vinylidene intermediates. *Angewandte Chemie - International Edition*, **2009**, 48, 2534-7	16.4	27
131	Novel Method for the Preparation of Enantiomerically Pure Propargylic Substituted Compounds. *Organometallics*, **2005**, 24, 4106-4109	3.8	27
130	Synthesis of Dinuclear Complexes Bearing Metalloporphyrin–Phosphine Hybrid Ligands and Their Catalytic Activity toward Hydrosilylation of Ketones. *Organometallics*, **2004**, 23, 4012-4017	3.8	27
129	Preparation and reactivity of a dinitrogen-bridged dimolybdenum-tetrachloride complex. *Chemical Communications*, **2013**, 49, 11215-7	5.8	26
128	Enantioselective alkylation of α-keto phosphonates by direct use of diaryl methanols as electrophiles. *Chemical Communications*, **2012**, 48, 9528-30	5.8	26
127	Ruthenium-catalyzed vinylic substitution reactions with nucleophiles via butatrienylidene intermediates. *Journal of the American Chemical Society*, **2008**, 130, 2908-9	16.4	26
126	Synthesis and Reactivity of Hybrid Phosphido- and Thiolato-Bridged Diruthenium Complexes. *Organometallics*, **2008**, 27, 6039-6042	3.8	26
125	Asymmetric [2,3] sigmatropic rearrangement via chiral selenoxide with sharpless oxidants. *Tetrahedron Letters*, **1993**, 34, 2339-2342	2	26
124	Iron-Catalyzed [2 + 2 + 2] Cycloaddition Reactions of Diynes with Oxyphosphaethynes To Construct 2-Phosphaphenol Derivatives. *Organic Letters*, **2016**, 18, 5006-5009	6.2	25
123	Recent advances in nitrogen fixation upon vanadium complexes. *Coordination Chemistry Reviews*, **2019**, 381, 135-150	23.2	25
122	Copper-catalyzed nucleophilic trifluoromethylation of benzylic chlorides. *Organic and Biomolecular Chemistry*, **2014**, 12, 5594-6	3.9	24
121	Synthesis of phosphabenzenes by an iron-catalyzed [2+2+2] cycloaddition reaction of diynes with phosphaalkynes. *Angewandte Chemie - International Edition*, **2015**, 54, 7597-601	16.4	24
120	Dinuclear (η5-C5Me5)Ru complexes triply bridged by tellurium or selenium ligands. Syntheses and characterisation of (η5-C5Me5)Ru(μ2-RTeTeR)(μ2-TeR)2Ru(η5-C5Me5) and [(η5-C5Me5)Ru(μ2-SeR)3Ru(η5-C5Me5)]Cl (R = Tol, Ph). *Journal of the Chemical Society Chemical Communications*, **1994**, 223-224		24
119	Remarkable Effect of Halogens on Catalytic Activities of Thiolato-Bridged Diruthenium Complexes in Propargylic Substitution Reactions. *Organometallics*, **2009**, 28, 1138-1142	3.8	23
118	Novel Monophosphido-Bridged Diruthenium Complexes: Efficient Preparative Method and Catalytic Activity toward Reactions of Propargylic Alcohols with Aromatic Compounds. *Organometallics*, **2008**, 27, 4017-4020	3.8	23
117	Synthesis and Structures of 1,1′-Ferrocenedithiolato-Bridged Di- and Trinuclear Ruthenium Complexes. *Organometallics*, **2000**, 19, 3249-3252	3.8	23
116	Cross-Coupling Reactions of Alkenyl Halides with 4-Benzyl-1,4- Dihydropyridines Associated with E to Z Isomerization under Nickel and Photoredox Catalysis. *Chemistry - an Asian Journal*, **2018**, 13, 3653-3657	4.5	23

115	Synthesis of Ruthenium Complexes Bearing PCP-Type Pincer Ligands and Their Application to Direct Synthesis of Imines from Amines and Benzyl Alcohol. *Organometallics*, **2018**, 37, 3086-3092	3.8	23
114	Effect of substituents on molybdenum triiodide complexes bearing PNP-type pincer ligands toward catalytic nitrogen fixation. *Dalton Transactions*, **2019**, 48, 3182-3186	4.3	22
113	Hydrogenation of Carbon Dioxide with Organic Base by PCIIP-Ir Catalysts. *Organometallics*, **2018**, 37, 3001-3009	3.8	22
112	Catalytic Conversion of Dinitrogen into Ammonia under Ambient Reaction Conditions by Using Proton Source from Water. *Chemistry - an Asian Journal*, **2017**, 12, 2544-2548	4.5	22
111	Stereospecific carbon–carbon bond formation by the reaction of a chiral episelenonium ion with aromatic compounds. *Tetrahedron Letters*, **2004**, 45, 6137-6139	2	22
110	The use of chiral diferrocenyl diselenides for highly selective asymmetric intramolecular selenocyclisation. *Journal of the Chemical Society Perkin Transactions 1*, **1999**, 1511-1516		22
109	Synthesis and Reactivity of Molybdenum-Dinitrogen Complexes Bearing PNN-Type Pincer Ligand. *Zeitschrift Fur Anorganische Und Allgemeine Chemie*, **2015**, 641, 100-104	1.3	21
108	Asymmetric synthesis of epoxides from aromatic aldehydes and benzyl halides catalyzed by C2 symmetric optically active sulfides having a binaphthyl skeleton. *Heteroatom Chemistry*, **2002**, 13, 270-275	1.2	21
107	Syntheses and reactivities of ferrocenyl organyl tellurides. *Journal of Organometallic Chemistry*, **1994**, 473, 205-213	2.3	21
106	The first example of asymmetric selenoxide elimination: application to the synthesis of chiral allenes. *Journal of the Chemical Society Chemical Communications*, **1992**, 46		21
105	Comprehensive insights into synthetic nitrogen fixation assisted by molecular catalysts under ambient or mild conditions. *Chemical Society Reviews*, **2021**, 50, 5201-5242	58.5	21
104	Ruthenium-Triggered Ring Opening of Ethynylcyclopropanes: [3+2] Cycloaddition with Aldehydes and Aldimines Involving Metal Allenylidene Intermediates. *Angewandte Chemie*, **2013**, 125, 1802-1806	3.6	20
103	Selenium Compounds as Ligands and Catalysts. *Topics in Current Chemistry*, **2000**, 235-255		20
102	Telluroxide elimination by oxidation of alkyl aryl tellurides: remarkable effect of added triethylamine. *Journal of the Chemical Society Perkin Transactions 1*, **1993**, 1133		20
101	Palladium(II) complex-catalysed enantioselective benzoylation of alcohols using carbon monoxide and an organobismuth(V) compound. *Journal of the Chemical Society, Perkin Transactions 1*, **2002**, 1548-1554		19
100	The first example of chirality transfer in allylic telluroxides–possible [2, 3]-sigmatropic rearrangement. *Tetrahedron Letters*, **1995**, 36, 1519-1522	2	19
99	Catalytic reduction of dinitrogen to tris(trimethylsilyl)amine using rhodium complexes with a pyrrole-based PNP-type pincer ligand. *Chemical Communications*, **2019**, 55, 14886-14889	5.8	19
98	Synthesis and reactivity of titanium- and zirconium-dinitrogen complexes bearing anionic pyrrole-based PNP-type pincer ligands. *Dalton Transactions*, **2018**, 47, 11322-11326	4.3	18

97	Synthesis and Reactivity of Ruthenium Complexes Bearing Arsenic-Containing Arsenic-Nitrogen-Arsenic-Type Pincer Ligand. *Organometallics*, **2014**, 33, 5295-5300	3.8	18
96	Radical Addition to Corannulene Mediated by Visible-light-photoredox Catalysts. *Chemistry Letters*, **2015**, 44, 545-547	1.7	18
95	Thiolate-bridged dinuclear ruthenium and iron complexes as robust and efficient catalysts toward oxidation of molecular dihydrogen in protic solvents. *Journal of the American Chemical Society*, **2015**, 137, 4173-82	16.4	17
94	A Practical Synthesis of Ammonia from Nitrogen Gas, Samarium Diiodide and Water Catalyzed by a Molybdenum□PCP Pincer Complex. *Synthesis*, **2019**, 51, 3792-3795	2.9	17
93	Molybdenum-catalyzed reduction of molecular dinitrogen into ammonia under ambient reaction conditions. *Comptes Rendus Chimie*, **2015**, 18, 776-784	2.7	17
92	Propargylic Substitution Reaction Catalyzed by Group IV (Ti, Zr, Hf)□Ru Heterobimetallic Complexes. *Organometallics*, **2011**, 30, 3194-3199	3.8	17
91	Asymmetric Carboselenenylation Reaction of Alkenes with Aromatic Compounds. *Angewandte Chemie*, **2005**, 117, 3654-3657	3.6	17
90	Catalytic Reactivity of Molybdenum-Trihalide Complexes Bearing PCP-Type Pincer Ligands. *Chemistry - an Asian Journal*, **2019**, 14, 2091-2096	4.5	16
89	Catalytic Reduction of Molecular Dinitrogen to Ammonia and Hydrazine Using Vanadium Complexes. *Angewandte Chemie*, **2018**, 130, 9202-9206	3.6	16
88	Synthesis and Reactivity of Diphosphine-Bridged Diruthenium Complexes. *Organometallics*, **2007**, 26, 3611-3613	3.8	16
87	Catalytic C-H Borylation Using Iron Complexes Bearing 4,5,6,7-Tetrahydroisoindol-2-ide-Based PNP-Type Pincer Ligand. *Chemistry - an Asian Journal*, **2019**, 14, 2097-2101	4.5	15
86	Cooperative Catalysis: Enantioselective Propargylic Alkylation of Propargylic Alcohols with Enecarbamates Using Ruthenium/Phosphoramide Hybrid Catalysts. *Angewandte Chemie*, **2015**, 127, 4132-4136	3.6	14
85	Novel catalytic hydrogenolysis of silyl enol ethers by the use of acidic ruthenium dihydrogen complexes. *Journal of Organometallic Chemistry*, **2003**, 679, 32-42	2.3	14
84	Allylic amine formation by imination of allylic tellurides. *Tetrahedron Letters*, **1995**, 36, 6725-6728	2	14
83	Ruthenium-Catalyzed Enantioselective Propargylic Phosphinylation of Propargylic Alcohols with Phosphine Oxides. *Angewandte Chemie - International Edition*, **2021**, 60, 11231-11236	16.4	14
82	Catalytic conversion of nitrogen molecule into ammonia using molybdenum complexes under ambient reaction conditions. *Chemical Communications*, **2021**, 57, 1176-1189	5.8	14
81	Catalytic Transformations of Molecular Dinitrogen by Iron and Cobalt□Dinitrogen Complexes as Catalysts. *Topics in Organometallic Chemistry*, **2017**, 215-234	0.6	13
80	Alkylation Reactions of Azodicarboxylate Esters with 4-Alkyl-1,4-Dihydropyridines under Catalyst-Free Conditions. *Organic Letters*, **2019**, 21, 4642-4645	6.2	13

79	Practical Synthesis of a PCP-Type Pincer Ligand and Its Metal Complexes. *Synthesis*, **2018**, 50, 1015-1019	2.9	13
78	Catalytic Nitrogen Fixation Using Molybdenum Dinitrogen Complexes as Catalysts. *Topics in Organometallic Chemistry*, **2017**, 153-169	0.6	12
77	Copper- and Borinic Acid-catalyzed Propargylic Etherification of Propargylic Carbonates with Benzyl Alcohols. *Chemistry Letters*, **2018**, 47, 671-673	1.7	12
76	Kinetic resolution of secondary alcohols via chiral Pd(II)-complex-catalysed enantioselective benzoylation using CO and organobismuth(V) compound. *Chemical Communications*, **2001**, 2584-2585	5.8	12
75	Copper-catalysed enantioselective intramolecular etherification of propargylic esters: synthetic approach to chiral isochromans.. *RSC Advances*, **2019**, 9, 18918-18922	3.7	11
74	Kinetic Resolution of Racemic Ferrocenylphosphine Compounds by Enantioselective Oxidation Using Cyclic Selenoxides Having a Chiral Ligand. *Bulletin of the Chemical Society of Japan*, **2003**, 76, 381-387	2.1	11
73	Nitrogen Fixation Catalyzed by Dinitrogen-Bridged Dimolybdenum Complexes Bearing PCP- and PNP-Type Pincer Ligands: A Shortcut Pathway Deduced from Free Energy Profiles. *European Journal of Inorganic Chemistry*, **2020**, 2020, 1490-1498	2.3	11
72	Synthesis and Catalytic Reactivity of Bis(molybdenum-trihalide) Complexes Bridged by Ferrocene Skeleton toward Catalytic Nitrogen Fixation. *Organometallics*, **2019**, 38, 2863-2872	3.8	10
71	Development of Asymmetric Propargylic Substitution Reactions Using Transition Metal Catalysts. *Chemistry Letters*,	1.7	10
70	Synthesis and Redox Properties of PNP Pincer Complexes Based on N-Methyl-4,4?-bipyridinium. *European Journal of Inorganic Chemistry*, **2014**, 2014, 4273-4280	2.3	9
69	Preparation and reactivity of molybdenum complexes bearing pyrrole-based PNP-type pincer ligand. *Chemical Communications*, **2020**, 56, 6933-6936	5.8	9
68	Copper-Catalyzed [3+2] Cycloaddition Reactions of Isocyanoacetates with Phosphaalkynes to Prepare 1,3-Azaphospholes. *Angewandte Chemie - International Edition*, **2019**, 58, 1168-1173	16.4	9
67	Synthesis of Phosphabenzenes by an Iron-Catalyzed [2+2+2] Cycloaddition Reaction of Diynes with Phosphaalkynes. *Angewandte Chemie*, **2015**, 127, 7707-7711	3.6	8
66	Synthesis and Reactivity of Hybrid Phosphido- and Hydrosulfido-Bridged Diruthenium Complexes: Transformations into Diruthenium and Tetraruthenium Complexes Bridged by Phosphido and Sulfido Ligands. *Organometallics*, **2012**, 31, 3292-3299	3.8	8
65	Cycling between Molybdenum-Dinitrogen and -Nitride Complexes to Support the Reaction Pathway for Catalytic Formation of Ammonia from Dinitrogen. *Chemistry - A European Journal*, **2020**, 26, 13383-13389	4.8	7
64	Titelbild: Novel Ruthenium- and Platinum-Catalyzed Sequential Reactions: Synthesis of Tri- and Tetrasubstituted Furans and Pyrroles from Propargylic Alcohols and Ketones (Angew. Chem. 23/2003). *Angewandte Chemie*, **2003**, 115, 2663-2663	3.6	7
63	Cyclization of Terminal Diynes Catalyzed by Thiolate-Bridged Diruthenium Complexes: A Simple Synthetic Route to endo-Macrocyclic (Z)-1-En-3-ynes. *Angewandte Chemie*, **2000**, 112, 3031-3033	3.6	7
62	Dicationic Thiolate-Bridged Diruthenium Complexes for Catalytic Oxidation of Molecular Dihydrogen. *Organometallics*, **2017**, 36, 4499-4506	3.8	6

61	Catalytic Activity of Thiolate-Bridged Diruthenium Complexes Bearing Pendent Ether Moieties in the Oxidation of Molecular Dihydrogen. *Chemistry - A European Journal*, **2017**, 23, 1007-1012	4.8	6
60	Remarkable Effect of Valence Electrons in Thiolato-Bridged Diruthenium Complexes toward Catalytic Dimerization of □Methylstyrenes. *Organometallics*, **2011**, 30, 5972-5977	3.8	6
59	Ruthenium-Catalyzed Enantioselective Propargylation of Indoles with Propargylic Alcohols. *Synthesis*, **2008**, 2008, 3869-3873	2.9	6
58	Stereo- and Chemo-Selectivity in Reduction of□[Phenyl(or Methyl)seleno]alkyl Aryl Ketones with Metal Hydrides. *Bulletin of the Chemical Society of Japan*, **1995**, 68, 337-340	5.1	6
57	Ruthenium-Catalyzed Enantioselective Propargylic Phosphinylation of Propargylic Alcohols with Phosphine Oxides. *Angewandte Chemie*, **2021**, 133, 11331-11336	3.6	6
56	Overviews of the Preparation and Reactivity of Transition Metal□Dinitrogen Complexes **2019**, 1-77		5
55	Group 8 Transition Metal□Dinitrogen Complexes **2019**, 285-335		5
54	Iridium-catalyzed Formation of Silylamine from Dinitrogen under Ambient Reaction Conditions. *Chemistry Letters*, **2020**, 49, 794-797	1.7	5
53	Ruthenium-Catalyzed Propargylic Reduction of Propargylic Alcohols with Hantzsch Ester. *Organometallics*, **2020**, 39, 2130-2134	3.8	5
52	Structural characterization of molybdenum-dinitrogen complex as key species toward ammonia formation by dispersive XAFS spectroscopy. *Physical Chemistry Chemical Physics*, **2020**, 22, 12368-12372	3.6	5
51	Chiral Bis(oxazoline)-copper Catalyzed Enantioselective Imidation of Sulfides. *Phosphorus, Sulfur and Silicon and the Related Elements*, **1997**, 120, 363-364	1	5
50	Synthesis of Optically Active N,N,N?,N?-Tetraphenyl-1,1?-binaphthyl-2,2?-diamine Derivatives as Analogues of BINAP. *Organometallics*, **2008**, 27, 4021-4024	3.8	5
49	Rhodium-Catalyzed Cyclization Reactions of Thiadiazoles with Phosphaalkynes to Prepare 1,3-Thiaphospholes. *European Journal of Organic Chemistry*, **2020**, 2020, 3879-3882	3.2	5
48	Cooperative Photoredox- and Nickel-Catalyzed Alkylative Cyclization Reactions of Alkynes with 4-Alkyl-1,4-dihydropyridines. *Journal of Organic Chemistry*, **2021**, 86, 12577-12590	4.2	5
47	Synthesis and Catalytic Reactivity of Polystyrene-supported Molybdenum Pincer Complexes toward Ammonia Formation. *Chemistry Letters*, **2019**, 48, 693-695	1.7	4
46	Electrochemical Reduction of Samarium Triiodide into Samarium Diiodide. *Chemistry Letters*, **2020**, 49, 1171-1173	1.7	4
45	Preparation and Reactivity of a Ruthenium Complex Bearing a 2,6-Bis(trimethylsilyl)benzenethiolate Ligand. *Organometallics*, **2010**, 29, 4148-4153	3.8	4
44	Heterolytic Cleavage of Dihydrogen by Ruthenium and Molybdenum Complexes **2001**, 117-138		4

43	Ammonia Formation Catalyzed by a Dinitrogen-Bridged Dirhenium Complex Bearing PNP-Pincer Ligands under Mild Reaction Conditions*. *Angewandte Chemie - International Edition*, **2021**, 60, 13906-13912	16.4	4
42	Synthesis of 1,2,4-azadiphosphole derivatives based on vanadium-catalyzed [2+2+1] cycloaddition reactions of azobenzenes with phosphaalkynes.. *RSC Advances*, **2020**, 10, 12730-12733	3.7	4
41	Development of catalytic nitrogen fixation using transition metal complexes not relevant to nitrogenases. *Tetrahedron*, **2021**, 83, 131986	2.4	4
40	Phosphine Oxidation with Water and Ferrocenium(III) Cation Induced by Visible-Light Irradiation. *Chemistry - A European Journal*, **2018**, 24, 18618-18622	4.8	4
39	Group 9 Transition Metal Dinitrogen Complexes **2019**, 337-402		3
38	Cycloaromatization via Transition Metal Cumulenylidenes **2013**, 549-569		3
37	Catalytic Cycloisomerization of 1,5-Enynes to 1,3-Cyclohexadienes via Ruthenium Vinylidene Intermediates. *Angewandte Chemie*, **2009**, 121, 2572-2575	3.6	3
36	Allenylidene Complexes in Catalysis217-250		3
35	Development of Optically Active Chiral Ligands Ferrocenyloxazolinylphosphines (FOXAP) and Their Application to Catalytic Asymmetric Reactions. *Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry*, **2007**, 65, 761-771	0.2	3
34	Hydrogenolyse von Trimethylsilylenolethern unter Verwendung eines sauren Rutheniumdiwasserstoff-Komplexes als Katalysator. *Angewandte Chemie*, **1999**, 111, 3244-3247	3.6	3
33	Ammonia Formation Catalyzed by Dinitrogen-Bridged Dirhenium Complex Bearing PNP-Pincer Ligands under Mild Reaction Conditions		3
32	Development of Novel Catalytic Reactions via Ruthenium-Allenylidene Complexes as Key Intermediates. *Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry*, **2009**, 67, 437-450	0.2	3
31	Recent Progress in Catalytic Reactions via Copper-Acetylide Complexes as Key Intermediates. *Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry*, **2011**, 69, 1086-1098	0.2	3
30	Group 6 Transition Metal Dinitrogen Complexes **2019**, 221-269		2
29	Synthesis and Reactivity of Iron and Cobalt Dinitrogen Complexes Bearing PSiP-Type Pincer Ligands toward Nitrogen Fixation. *European Journal of Inorganic Chemistry*, **2017**, 2017, 3768-3768	2.3	2
28	Synthesis, Structure, and Reactivity of Group VI Metal Complexes Bearing Group IV Metallocenyldiphosphine Moieties and a Pentamethylcyclopentadienyl Ligand. *Organometallics*, **2013**, 32, 2007-2013	3.8	2
27	Optically Active Chiral Ligands, Ferrocenyloxazolinylphosphines (FOXAPs): Development and Application to Catalytic Asymmetric Reactions. *Synlett*, **2008**, 2008, 1747-1758	2.2	2
26	Titelbild: Ruthenium-Catalyzed Asymmetric Propargylic Substitution Reactions of Propargylic Alcohols with Acetone (Angew. Chem. 47/2005). *Angewandte Chemie*, **2005**, 117, 7823-7823	3.6	2

25	[S,R;S,R]-Bis[2-[1-(dimethylamino)ethyl]ferrocenyl] Diselenides and Their Application to Asymmetric Selenoxide Elimination and [2,3]Sigmatropic Rearrangement. [Erratum to document cited in CA123:199072]. *Journal of Organic Chemistry*, **1995**, 60, 8326-8326	4.2	2
24	Manganese-Catalyzed Ammonia Oxidation into Dinitrogen		2
23	Manganese-Catalyzed Ammonia Oxidation into Dinitrogen under Chemical or Electrochemical Conditions*. *ChemPlusChem*, **2021**, 86, 1511-1516	2.8	2
22	Hydroboration and Hydrosilylation of a Molybdenum Nitride Complex Bearing a PNP-Type Pincer Ligand. *Organometallics*, **2022**, 41, 366-373	3.8	2
21	EurJIC Nitrogen Fixation Special Issue A Source of Inspiration. *European Journal of Inorganic Chemistry*, **2020**, 2020, 1351-1352	2.3	1
20	Selenoxide Elimination and [2,3]-Sigmatropic Rearrangement **2011**, 287-320		1
19	Recent Progress in Catalytic Nitrogen Fixation by Using Transition Metal-Dinitrogen Complexes. *Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry*, **2014**, 72, 529-537	0.2	1
18	Development of Asymmetric Propargylic Substitution Reactions. *Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry*, **2017**, 75, 2-13	0.2	1
17	Ruthenium- and Copper-Catalyzed Propargylic Substitution Reactions of Propargylic Alcohol Derivatives with Hydrazones. *Chemistry - A European Journal*, **2021**, 27, 15650-15659	4.8	1
16	Ammonia Formation Catalyzed by a Dinitrogen-Bridged Dirhenium Complex Bearing PNP-Pincer Ligands under Mild Reaction Conditions**. *Angewandte Chemie*, **2021**, 133, 14025-14031	3.6	1
15	Copper-Catalyzed [3+2] Cycloaddition Reactions of Isocyanoacetates with Phosphaalkynes to Prepare 1,3-Azaphospholes. *Angewandte Chemie*, **2019**, 131, 1180-1185	3.6	1
14	Novel Catalytic Hydrogenolysis of Trimethylsilyl Enol Ethers by the Use of an Acidic Ruthenium Dihydrogen Complex **1999**, 38, 3047		1
13	Group 5 Transition Metal-Dinitrogen Complexes **2019**, 159-220		0
12	Enantioselectivity in Ruthenium-Catalyzed Propargylic Substitution Reactions of Propargylic Alcohols with Acetone: A DFT Study. *Chemistry - an Asian Journal*, **2021**, 16, 3760-3766	4.5	0
11	Catalytic Water Oxidation Reaction with Use of Triarylaminium Radicals as Single-electron Oxidants and Pyridines as Bases. *Chemistry Letters*, **2019**, 48, 1006-1008	1.7	
10	Innentitelbild: Direct Transformation of Molecular Dinitrogen into Ammonia Catalyzed by Cobalt Dinitrogen Complexes Bearing Anionic PNP Pincer Ligands (Angew. Chem. 46/2016). *Angewandte Chemie*, **2016**, 128, 14388-14388	3.6	
9	Asymmetric Synthesis of Epoxides from Aromatic Aldehydes and Benzyl Halides Catalyzed by C2 Symmetric Optically Active Sulfides Having a Binaphthyl Skeleton.. *ChemInform*, **2010**, 33, 105-105		
8	Cover Picture: Novel Ruthenium- and Platinum-Catalyzed Sequential Reactions: Synthesis of Tri- and Tetrasubstituted Furans and Pyrroles from Propargylic Alcohols and Ketones (Angew. Chem. Int. Ed. 23/2003). *Angewandte Chemie - International Edition*, **2003**, 42, 2559-2559	16.4	

7	Ruthenium- and Copper-Catalyzed Propargylic Substitution Reactions of Propargylic Alcohol Derivatives with Hydrazones. *Chemistry - A European Journal*, **2021**, 27, 15562	4.8
6	A Non-Metal System for Nitrogen Fixation Utilizing Buckminsterfullerene **2005**, 39-40	
5	Cycling between Molybdenum-Dinitrogen and -Nitride Complexes to Support the Reaction Pathway for Catalytic Formation of Ammonia from Dinitrogen. *Chemistry - A European Journal*, **2020**, 26, 13321	4.8
4	Synthesis and Characterization of Rhodium Complex Bearing Anionic CNC-Type Pincer Ligand with Pyrrolide and Imidazo[1,5-a]pyridin-3-ylidene Moieties. *Zeitschrift Fur Anorganische Und Allgemeine Chemie*, **2021**, 647, 1408-1414	1.3
3	Visible-Light-Mediated Aromatic Substitution Reactions of Cyanoarenes with 4-Alkyl-1,4-dihydropyridines through Double Carbon□Carbon Bond Cleavage. *ChemCatChem*, **2016**, 8, 1015-1015	5.2
2	Phosphine Oxidation with Water and Ferrocenium(III) Cation induced by Visible-Light Irradiation. *Chemistry - A European Journal*, **2018**, 24, 18567-18567	4.8
1	Development of Catalytic Nitrogen Fixation Using Transition Metal Dinitrogen Complexes. *Bulletin of Japan Society of Coordination Chemistry*, **2018**, 71, 49-55	0.3