

# Yoshiaki Nishibayashi

## 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.

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	Hydroboration and Hydrosilylation of a Molybdenum Nitride Complex Bearing a PNP-Type Pincer Ligand. <i>Organometallics</i> , <b>2022</b> , 41, 366-373	3.8	2
293	Ruthenium- and Copper-Catalyzed Propargylic Substitution Reactions of Propargylic Alcohol Derivatives with Hydrazones. <i>Chemistry - A European Journal</i> , <b>2021</b> , 27, 15562	4.8	
292	Ruthenium- and Copper-Catalyzed Propargylic Substitution Reactions of Propargylic Alcohol Derivatives with Hydrazones. <i>Chemistry - A European Journal</i> , <b>2021</b> , 27, 15650-15659	4.8	1
291	Ruthenium-Catalyzed Enantioselective Propargylic Phosphinylation of Propargylic Alcohols with Phosphine Oxides. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 11231-11236	16.4	14
290	Ruthenium-Catalyzed Enantioselective Propargylic Phosphinylation of Propargylic Alcohols with Phosphine Oxides. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 11331-11336	3.6	6
289	Synthesis and Characterization of Rhodium Complex Bearing Anionic CNC-Type Pincer Ligand with Pyrrolide and Imidazo[1,5-a]pyridin-3-ylidene Moieties. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , <b>2021</b> , 647, 1408-1414	1.3	
288	Ammonia Formation Catalyzed by a Dinitrogen-Bridged Ruthenium Complex Bearing PNP-Pincer Ligands under Mild Reaction Conditions*. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 13906-13912	16.4	4
287	Ammonia Formation Catalyzed by a Dinitrogen-Bridged Ruthenium Complex Bearing PNP-Pincer Ligands under Mild Reaction Conditions**. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 14025-14031	3.6	1
286	Catalytic conversion of nitrogen molecule into ammonia using molybdenum complexes under ambient reaction conditions. <i>Chemical Communications</i> , <b>2021</b> , 57, 1176-1189	5.8	14
285	Development of catalytic nitrogen fixation using transition metal complexes not relevant to nitrogenases. <i>Tetrahedron</i> , <b>2021</b> , 83, 131986	2.4	4
284	Cooperative Photoredox- and Nickel-Catalyzed Alkylative Cyclization Reactions of Alkynes with 4-Alkyl-1,4-dihydropyridines. <i>Journal of Organic Chemistry</i> , <b>2021</b> , 86, 12577-12590	4.2	5
283	Manganese-Catalyzed Ammonia Oxidation into Dinitrogen under Chemical or Electrochemical Conditions*. <i>ChemPlusChem</i> , <b>2021</b> , 86, 1511-1516	2.8	2
282	Enantioselectivity in Ruthenium-Catalyzed Propargylic Substitution Reactions of Propargylic Alcohols with Acetone: A DFT Study. <i>Chemistry - an Asian Journal</i> , <b>2021</b> , 16, 3760-3766	4.5	0
281	Comprehensive insights into synthetic nitrogen fixation assisted by molecular catalysts under ambient or mild conditions. <i>Chemical Society Reviews</i> , <b>2021</b> , 50, 5201-5242	58.5	21
280	Iridium-catalyzed Formation of Silylamine from Dinitrogen under Ambient Reaction Conditions. <i>Chemistry Letters</i> , <b>2020</b> , 49, 794-797	1.7	5
279	Ruthenium-Catalyzed Propargylic Reduction of Propargylic Alcohols with Hantzsch Ester. <i>Organometallics</i> , <b>2020</b> , 39, 2130-2134	3.8	5
278	Cycling between Molybdenum-Dinitrogen and -Nitride Complexes to Support the Reaction Pathway for Catalytic Formation of Ammonia from Dinitrogen. <i>Chemistry - A European Journal</i> , <b>2020</b> , 26, 13383-13389	4.8	7

277	Electrochemical Reduction of Samarium Triiodide into Samarium Diiodide. <i>Chemistry Letters</i> , <b>2020</b> , 49, 1171-1173	1.7	4
276	EurJIC@ Nitrogen Fixation Special Issue "A Source of Inspiration. <i>European Journal of Inorganic Chemistry</i> , <b>2020</b> , 2020, 1351-1352	2.3	1
275	Structural characterization of molybdenum-dinitrogen complex as key species toward ammonia formation by dispersive XAFS spectroscopy. <i>Physical Chemistry Chemical Physics</i> , <b>2020</b> , 22, 12368-12372	3.6	5
274	Preparation and reactivity of molybdenum complexes bearing pyrrole-based PNP-type pincer ligand. <i>Chemical Communications</i> , <b>2020</b> , 56, 6933-6936	5.8	9
273	Nitrogen Fixation Catalyzed by Dinitrogen-Bridged Dimolybdenum Complexes Bearing PCP- and PNP-Type Pincer Ligands: A Shortcut Pathway Deduced from Free Energy Profiles. <i>European Journal of Inorganic Chemistry</i> , <b>2020</b> , 2020, 1490-1498	2.3	11
272	Cycling between Molybdenum-Dinitrogen and -Nitride Complexes to Support the Reaction Pathway for Catalytic Formation of Ammonia from Dinitrogen. <i>Chemistry - A European Journal</i> , <b>2020</b> , 26, 13321	4.8	
271	Rhodium-Catalyzed Cyclization Reactions of Thiadiazoles with Phosphaalkynes to Prepare 1,3-Thiaphospholes. <i>European Journal of Organic Chemistry</i> , <b>2020</b> , 2020, 3879-3882	3.2	5
270	Synthesis of 1,2,4-azadiphosphole derivatives based on vanadium-catalyzed [2+2+1] cycloaddition reactions of azobenzenes with phosphaalkynes.. <i>RSC Advances</i> , <b>2020</b> , 10, 12730-12733	3.7	4
269	Synthesis and Catalytic Reactivity of Polystyrene-supported Molybdenum Pincer Complexes toward Ammonia Formation. <i>Chemistry Letters</i> , <b>2019</b> , 48, 693-695	1.7	4
268	Catalytic Water Oxidation Reaction with Use of Triarylammonium Radicals as Single-electron Oxidants and Pyridines as Bases. <i>Chemistry Letters</i> , <b>2019</b> , 48, 1006-1008	1.7	
267	Effect of substituents on molybdenum triiodide complexes bearing PNP-type pincer ligands toward catalytic nitrogen fixation. <i>Dalton Transactions</i> , <b>2019</b> , 48, 3182-3186	4.3	22
266	Overviews of the Preparation and Reactivity of Transition MetalDinitrogen Complexes <b>2019</b> , 1-77		5
265	Group 8 Transition MetalDinitrogen Complexes <b>2019</b> , 285-335		5
264	Copper-catalysed enantioselective intramolecular etherification of propargylic esters: synthetic approach to chiral isochromans.. <i>RSC Advances</i> , <b>2019</b> , 9, 18918-18922	3.7	11
263	Synthesis and Catalytic Reactivity of Bis(molybdenum-trihalide) Complexes Bridged by Ferrocene Skeleton toward Catalytic Nitrogen Fixation. <i>Organometallics</i> , <b>2019</b> , 38, 2863-2872	3.8	10
262	Molybdenum-Catalyzed Ammonia Formation Using Simple Monodentate and Bidentate Phosphines as Auxiliary Ligands. <i>Inorganic Chemistry</i> , <b>2019</b> , 58, 8927-8932	5.1	32
261	Alkylation Reactions of Azodicarboxylate Esters with 4-Alkyl-1,4-Dihydropyridines under Catalyst-Free Conditions. <i>Organic Letters</i> , <b>2019</b> , 21, 4642-4645	6.2	13
260	Molybdenum-catalysed ammonia production with samarium diiodide and alcohols or water. <i>Nature</i> , <b>2019</b> , 568, 536-540	50.4	181

259	Group 5 Transition Metal-Dinitrogen Complexes <b>2019</b> , 159-220		0
258	Group 6 Transition Metal-Dinitrogen Complexes <b>2019</b> , 221-269		2
257	Recent advances in catalytic silylation of dinitrogen using transition metal complexes. <i>Coordination Chemistry Reviews</i> , <b>2019</b> , 389, 73-93	23.2	44
256	Catalytic Reactivity of Molybdenum-Trihalide Complexes Bearing PCP-Type Pincer Ligands. <i>Chemistry - an Asian Journal</i> , <b>2019</b> , 14, 2091-2096	4.5	16
255	Catalytic C-H Borylation Using Iron Complexes Bearing 4,5,6,7-Tetrahydroisoindol-2-ylidene-Based PNP-Type Pincer Ligand. <i>Chemistry - an Asian Journal</i> , <b>2019</b> , 14, 2097-2101	4.5	15
254	Group 9 Transition Metal-Dinitrogen Complexes <b>2019</b> , 337-402		3
253	A Practical Synthesis of Ammonia from Nitrogen Gas, Samarium Diiodide and Water Catalyzed by a Molybdenum-BIPCP Pincer Complex. <i>Synthesis</i> , <b>2019</b> , 51, 3792-3795	2.9	17
252	Ruthenium-catalysed oxidative conversion of ammonia into dinitrogen. <i>Nature Chemistry</i> , <b>2019</b> , 11, 702-706	1.9	36
251	Catalytic reduction of dinitrogen to tris(trimethylsilyl)amine using rhodium complexes with a pyrrole-based PNP-type pincer ligand. <i>Chemical Communications</i> , <b>2019</b> , 55, 14886-14889	5.8	19
250	Copper-Catalyzed [3+2] Cycloaddition Reactions of Isocyanacetates with Phosphaalkynes to Prepare 1,3-Azaphospholes. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 1180-1185	3.6	1
249	Recent advances in nitrogen fixation upon vanadium complexes. <i>Coordination Chemistry Reviews</i> , <b>2019</b> , 381, 135-150	23.2	25
248	Copper-Catalyzed [3+2] Cycloaddition Reactions of Isocyanacetates with Phosphaalkynes to Prepare 1,3-Azaphospholes. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 1168-1173	16.4	9
247	Copper- and Boronic Acid-catalyzed Propargylic Etherification of Propargylic Carbonates with Benzyl Alcohols. <i>Chemistry Letters</i> , <b>2018</b> , 47, 671-673	1.7	12
246	Catalytic Reduction of Molecular Dinitrogen to Ammonia and Hydrazine Using Vanadium Complexes. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 9202-9206	3.6	16
245	Catalytic Reduction of Molecular Dinitrogen to Ammonia and Hydrazine Using Vanadium Complexes. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 9064-9068	16.4	79
244	Preparation and reactivity of iron complexes bearing anionic carbazole-based PNP-type pincer ligands toward catalytic nitrogen fixation. <i>Dalton Transactions</i> , <b>2018</b> , 47, 1117-1121	4.3	46
243	Mechanism and reactivity of catalytic propargylic substitution reactions via metal-alkynylidene intermediates: a theoretical perspective. <i>Catalysis Science and Technology</i> , <b>2018</b> , 8, 12-25	5.5	63
242	Hydrogenation of Carbon Dioxide with Organic Base by PCIP-Ir Catalysts. <i>Organometallics</i> , <b>2018</b> , 37, 3001-3009	3.8	22

241	Development of catalytic nitrogen fixation using transition metal-dinitrogen complexes under mild reaction conditions. <i>Dalton Transactions</i> , <b>2018</b> , 47, 11290-11297	4.3	67
240	Synthesis and reactivity of titanium- and zirconium-dinitrogen complexes bearing anionic pyrrole-based PNP-type pincer ligands. <i>Dalton Transactions</i> , <b>2018</b> , 47, 11322-11326	4.3	18
239	Practical Synthesis of a PCP-Type Pincer Ligand and Its Metal Complexes <i>Synthesis</i> , <b>2018</b> , 50, 1015-1019	4.9	13
238	Phosphine Oxidation with Water and Ferrocenium(III) Cation induced by Visible-Light Irradiation. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 18567-18567	4.8	
237	Phosphine Oxidation with Water and Ferrocenium(III) Cation Induced by Visible-Light Irradiation. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 18618-18622	4.8	4
236	Cross-Coupling Reactions of Alkenyl Halides with 4-Benzyl-1,4- Dihydropyridines Associated with E to Z Isomerization under Nickel and Photoredox Catalysis. <i>Chemistry - an Asian Journal</i> , <b>2018</b> , 13, 3653-3657	4.5	23
235	Development of Catalytic Nitrogen Fixation Using Transition Metal Dinitrogen Complexes. <i>Bulletin of Japan Society of Coordination Chemistry</i> , <b>2018</b> , 71, 49-55	0.3	
234	Synthesis of Ruthenium Complexes Bearing PCP-Type Pincer Ligands and Their Application to Direct Synthesis of Imines from Amines and Benzyl Alcohol. <i>Organometallics</i> , <b>2018</b> , 37, 3086-3092	3.8	23
233	Vanadium-catalyzed Reduction of Molecular Dinitrogen into Silylamine under Ambient Reaction Conditions. <i>Chemistry Letters</i> , <b>2017</b> , 46, 466-468	1.7	46
232	Synthesis and Reactivity of Iron and Cobalt Dinitrogen Complexes Bearing PSiP-Type Pincer Ligands toward Nitrogen Fixation. <i>European Journal of Inorganic Chemistry</i> , <b>2017</b> , 2017, 3769-3778	2.3	61
231	Remarkable catalytic activity of dinitrogen-bridged dimolybdenum complexes bearing NHC-based PCP-pincer ligands toward nitrogen fixation. <i>Nature Communications</i> , <b>2017</b> , 8, 14874	17.4	153
230	Catalytic Nitrogen Fixation Using Molybdenum Dinitrogen Complexes as Catalysts. <i>Topics in Organometallic Chemistry</i> , <b>2017</b> , 153-169	0.6	12
229	Catalytic Transformations of Molecular Dinitrogen by Iron and Cobalt Dinitrogen Complexes as Catalysts. <i>Topics in Organometallic Chemistry</i> , <b>2017</b> , 215-234	0.6	13
228	Synthesis and reactivity of iron-dinitrogen complexes bearing anionic methyl- and phenyl-substituted pyrrole-based PNP-type pincer ligands toward catalytic nitrogen fixation. <i>Chemical Communications</i> , <b>2017</b> , 53, 12040-12043	5.8	51
227	Catalytic Nitrogen Fixation via Direct Cleavage of Nitrogen-Nitrogen Triple Bond of Molecular Dinitrogen under Ambient Reaction Conditions. <i>Bulletin of the Chemical Society of Japan</i> , <b>2017</b> , 90, 1111-1118	5.1	111
226	Synthesis and Reactivity of Iron and Cobalt Dinitrogen Complexes Bearing PSiP-Type Pincer Ligands toward Nitrogen Fixation. <i>European Journal of Inorganic Chemistry</i> , <b>2017</b> , 2017, 3768-3768	2.3	2
225	Hydroboration of Alkynes Catalyzed by Pyrrolide-Based PNP Pincer-Iron Complexes. <i>Organic Letters</i> , <b>2017</b> , 19, 4323-4326	6.2	71
224	Catalytic Conversion of Dinitrogen into Ammonia under Ambient Reaction Conditions by Using Proton Source from Water. <i>Chemistry - an Asian Journal</i> , <b>2017</b> , 12, 2544-2548	4.5	22

223	Dicationic Thiolate-Bridged Diruthenium Complexes for Catalytic Oxidation of Molecular Dihydrogen. <i>Organometallics</i> , <b>2017</b> , 36, 4499-4506	3.8	6
222	Catalytic Activity of Thiolate-Bridged Diruthenium Complexes Bearing Pendent Ether Moieties in the Oxidation of Molecular Dihydrogen. <i>Chemistry - A European Journal</i> , <b>2017</b> , 23, 1007-1012	4.8	6
221	Development of Asymmetric Propargylic Substitution Reactions. <i>Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry</i> , <b>2017</b> , 75, 2-13	0.2	1
220	Azaferrocene-Based PNP-Type Pincer Ligand: Synthesis of Molybdenum, Chromium, and Iron Complexes and Reactivity toward Nitrogen Fixation. <i>European Journal of Inorganic Chemistry</i> , <b>2016</b> , 2016, 4856-4861	2.3	35
219	Direct Transformation of Molecular Dinitrogen into Ammonia Catalyzed by Cobalt Dinitrogen Complexes Bearing Anionic PNP Pincer Ligands. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 14291-14295	16.4	152
218	Catalytic transformation of dinitrogen into ammonia and hydrazine by iron-dinitrogen complexes bearing pincer ligand. <i>Nature Communications</i> , <b>2016</b> , 7, 12181	17.4	205
217	Direct Transformation of Molecular Dinitrogen into Ammonia Catalyzed by Cobalt Dinitrogen Complexes Bearing Anionic PNP Pincer Ligands. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 14503-14507	3.6	48
216	Innentitelbild: Direct Transformation of Molecular Dinitrogen into Ammonia Catalyzed by Cobalt Dinitrogen Complexes Bearing Anionic PNP Pincer Ligands (Angew. Chem. 46/2016). <i>Angewandte Chemie</i> , <b>2016</b> , 128, 14388-14388	3.6	
215	Visible-Light-Mediated Aromatic Substitution Reactions of Cyanoarenes with 4-Alkyl-1,4-dihydropyridines through Double Carbon-Carbon Bond Cleavage. <i>ChemCatChem</i> , <b>2016</b> , 8, 1028-1032	5.2	85
214	Catalytic Dinitrogen Fixation to Form Ammonia at Ambient Reaction Conditions Using Transition Metal-Dinitrogen Complexes. <i>Chemical Record</i> , <b>2016</b> , 16, 1549-77	6.6	76
213	Construction of Chiral Tri- and Tetra-Arylmethanes Bearing Quaternary Carbon Centers: Copper-Catalyzed Enantioselective Propargylation of Indoles with Propargylic Esters. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 9728-32	16.4	102
212	Visible-Light-Mediated Aromatic Substitution Reactions of Cyanoarenes with 4-Alkyl-1,4-dihydropyridines through Double Carbon-Carbon Bond Cleavage. <i>ChemCatChem</i> , <b>2016</b> , 8, 1015-1015	5.2	
211	Interplay between Theory and Experiment for Ammonia Synthesis Catalyzed by Transition Metal Complexes. <i>Accounts of Chemical Research</i> , <b>2016</b> , 49, 987-95	24.3	164
210	Construction of Chiral Tri- and Tetra-Arylmethanes Bearing Quaternary Carbon Centers: Copper-Catalyzed Enantioselective Propargylation of Indoles with Propargylic Esters. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 9880-9884	3.6	28
209	Nickel- and Photoredox-Catalyzed Cross-Coupling Reactions of Aryl Halides with 4-Alkyl-1,4-dihydropyridines as Formal Nucleophilic Alkylation Reagents. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 14312-14316	3.6	37
208	Nickel- and Photoredox-Catalyzed Cross-Coupling Reactions of Aryl Halides with 4-Alkyl-1,4-dihydropyridines as Formal Nucleophilic Alkylation Reagents. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 14106-14110	16.4	127
207	Iron-Catalyzed [2 + 2 + 2] Cycloaddition Reactions of Diynes with Oxyphosphaethynes To Construct 2-Phosphaphenol Derivatives. <i>Organic Letters</i> , <b>2016</b> , 18, 5006-5009	6.2	25
206	Synthetic Utilization of $\alpha$ -Aminoalkyl Radicals and Related Species in Visible Light Photoredox Catalysis. <i>Accounts of Chemical Research</i> , <b>2016</b> , 49, 1946-56	24.3	254



205	Synthesis and Catalytic Activity of Molybdenum-Nitride Complexes Bearing Pincer Ligands. <i>European Journal of Inorganic Chemistry</i> , <b>2015</b> , 2015, 1789-1794	2.3	29
204	Recent progress in transition-metal-catalyzed reduction of molecular dinitrogen under ambient reaction conditions. <i>Inorganic Chemistry</i> , <b>2015</b> , 54, 9234-47	5.1	181
203	Nitrogen fixation catalyzed by ferrocene-substituted dinitrogen-bridged dimolybdenum-dinitrogen complexes: unique behavior of ferrocene moiety as redox active site. <i>Chemical Science</i> , <b>2015</b> , 6, 3940-3951	9.1	88
202	Catalytic reduction of dinitrogen to ammonia by use of molybdenum-nitride complexes bearing a tridentate triphosphine as catalysts. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 5666-9	16.4	193
201	Thiolate-bridged dinuclear ruthenium and iron complexes as robust and efficient catalysts toward oxidation of molecular dihydrogen in protic solvents. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 4173-82	16.4	17
200	Cobalt-catalyzed transformation of molecular dinitrogen into silylamine under ambient reaction conditions. <i>Chemistry - A European Journal</i> , <b>2015</b> , 21, 8905-9	4.8	72
199	Synthesis and Reactivity of Molybdenum-Dinitrogen Complexes Bearing PNN-Type Pincer Ligand. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , <b>2015</b> , 641, 100-104	1.3	21
198	Molybdenum-catalyzed reduction of molecular dinitrogen into ammonia under ambient reaction conditions. <i>Comptes Rendus Chimie</i> , <b>2015</b> , 18, 776-784	2.7	17
197	Radical Addition to Corannulene Mediated by Visible-light-photoredox Catalysts. <i>Chemistry Letters</i> , <b>2015</b> , 44, 545-547	1.7	18
196	Synthesis of phosphabenzenes by an iron-catalyzed [2+2+2] cycloaddition reaction of diynes with phosphalkynes. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 7597-601	16.4	24
195	Synthesis of Phosphabenzenes by an Iron-Catalyzed [2+2+2] Cycloaddition Reaction of Diynes with Phosphalkynes. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 7707-7711	3.6	8
194	Copper-catalyzed enantioselective propargylic etherification of propargylic esters with alcohols. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 2472-5	16.4	117
193	Cooperative catalysis: enantioselective propargylic alkylation of propargylic alcohols with enecarbamates using ruthenium/phosphoramidate hybrid catalysts. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 4060-4	16.4	44
192	Cooperative Catalysis: Enantioselective Propargylic Alkylation of Propargylic Alcohols with Enecarbamates Using Ruthenium/Phosphoramidate Hybrid Catalysts. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 4132-4136	3.6	14
191	Visible-light-mediated addition of aminoalkyl radicals to [60]fullerene by using photoredox catalysts. <i>Chemistry - A European Journal</i> , <b>2014</b> , 20, 6120-5	4.8	56
190	Enantioselective intramolecular propargylic amination using chiral copper-pybox complexes as catalysts. <i>Chemical Communications</i> , <b>2014</b> , 50, 7874-7	5.8	55
189	Synthesis of nitrogen heterocycles via aminoalkyl radicals generated from silyl secondary amines under visible light irradiation. <i>Chemical Communications</i> , <b>2014</b> , 50, 8900-3	5.8	46
188	Synthesis and Reactivity of Ruthenium Complexes Bearing Arsenic-Containing Arsenic-Nitrogen-Arsenic-Type Pincer Ligand. <i>Organometallics</i> , <b>2014</b> , 33, 5295-5300	3.8	18

187	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. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 9719-31	16.4	165
186	Unique behaviour of dinitrogen-bridged dimolybdenum complexes bearing pincer ligand towards catalytic formation of ammonia. <i>Nature Communications</i> , <b>2014</b> , 5, 3737	17.4	131
185	Cleavage and Formation of Molecular Dinitrogen in a Single System Assisted by Molybdenum Complexes Bearing Ferrocenyldiphosphine. <i>Angewandte Chemie</i> , <b>2014</b> , 126, 11672-11676	3.6	37
184	Copper-catalyzed nucleophilic trifluoromethylation of benzylic chlorides. <i>Organic and Biomolecular Chemistry</i> , <b>2014</b> , 12, 5594-6	3.9	24
183	Synthesis and Redox Properties of PNP Pincer Complexes Based on N-Methyl-4,4'-bipyridinium. <i>European Journal of Inorganic Chemistry</i> , <b>2014</b> , 2014, 4273-4280	2.3	9
182	Cleavage and formation of molecular dinitrogen in a single system assisted by molybdenum complexes bearing ferrocenyldiphosphine. <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 11488-92	16.4	89
181	Recent Progress in Catalytic Nitrogen Fixation by Using Transition Metal-Dinitrogen Complexes. <i>Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry</i> , <b>2014</b> , 72, 529-537	0.2	1
180	Preparation and reactivity of molybdenum-dinitrogen complexes bearing an arsenic-containing ANA-type pincer ligand. <i>Chemical Communications</i> , <b>2013</b> , 49, 9290-2	5.8	34
179	Copper-catalyzed nucleophilic trifluoromethylation of propargylic halides. <i>Chemical Communications</i> , <b>2013</b> , 49, 7809-11	5.8	45
178	Cycloaromatization via Transition Metal Cumulenylidenes <b>2013</b> , 549-569		3
177	Visible light-mediated oxidative decarboxylation of arylacetic acids into benzyl radicals: addition to electron-deficient alkenes by using photoredox catalysts. <i>Chemical Communications</i> , <b>2013</b> , 49, 7854-6	5.8	89
176	Design and preparation of molybdenum-dinitrogen complexes with ferrocenyldiphosphine and pentamethylcyclopentadienyl moieties as auxiliary ligands. <i>Chemistry - A European Journal</i> , <b>2013</b> , 19, 11874-7	4.8	34
175	Preparation and reactivity of a dinitrogen-bridged dimolybdenum-tetrachloride complex. <i>Chemical Communications</i> , <b>2013</b> , 49, 11215-7	5.8	26
174	Ruthenium-triggered ring opening of ethynylcyclopropanes: [3+2] cycloaddition with aldehydes and aldimines involving metal allenylidene intermediates. <i>Angewandte Chemie - International Edition</i> , <b>2013</b> , 52, 1758-62	16.4	58
173	Developing more sustainable processes for ammonia synthesis. <i>Coordination Chemistry Reviews</i> , <b>2013</b> , 257, 2551-2564	23.2	255
172	Synthesis, Structure, and Reactivity of Group VI Metal Complexes Bearing Group IV Metallocenyldiphosphine Moieties and a Pentamethylcyclopentadienyl Ligand. <i>Organometallics</i> , <b>2013</b> , 32, 2007-2013	3.8	2
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170	Cooperative catalytic reactions using distinct transition-metal catalysts: ruthenium- and copper-catalyzed enantioselective propargylic alkylation. <i>Chemistry - A European Journal</i> , <b>2012</b> , 18, 3321-8	4.8	57



169	Synthesis and Catalytic Activity of Molybdenum Dinitrogen Complexes Bearing Unsymmetric PNP-Type Pincer Ligands. <i>Organometallics</i> , <b>2012</b> , 31, 8437-8443	3.8	95
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167	Visible-light-mediated addition of $\beta$ -aminoalkyl radicals generated from $\beta$ -silylamines to $\alpha,\beta$ -unsaturated carbonyl compounds. <i>Chemical Communications</i> , <b>2012</b> , 48, 6966-8	5.8	109
166	Cooperative Catalytic Reactions Using Organocatalysts and Transition Metal Catalysts: Propargylic Allylation of Propargylic Alcohols with $\alpha,\beta$ -Unsaturated Aldehydes. <i>Organometallics</i> , <b>2012</b> , 31, 3810-3813	3.8	43
165	Synthesis and Reactivity of Hybrid Phosphido- and Hydrosulfido-Bridged Diruthenium Complexes: Transformations into Diruthenium and Tetraruthenium Complexes Bridged by Phosphido and Sulfido Ligands. <i>Organometallics</i> , <b>2012</b> , 31, 3292-3299	3.8	8
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163	Enantioselective alkylation of $\beta$ -keto phosphonates by direct use of diaryl methanols as electrophiles. <i>Chemical Communications</i> , <b>2012</b> , 48, 9528-30	5.8	26
162	Iron-catalysed transformation of molecular dinitrogen into silylamine under ambient conditions. <i>Nature Communications</i> , <b>2012</b> , 3, 1254	17.4	109
161	Ruthenium- and Copper-Catalyzed Enantioselective Propargylic Alkylation of Propargylic Alcohols with $\beta$ -Keto Phosphonates. <i>Organometallics</i> , <b>2012</b> , 31, 3426-3430	3.8	40
160	Synthesis of Sulfur- and Nitrogen-Bridged Diiron Complexes and Catalytic Behavior toward Hydrazines. <i>Organometallics</i> , <b>2012</b> , 31, 2953-2956	3.8	31
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148	Synthesis of Group IV (Zr, Hf)/Group VIII (Fe, Ru) Heterobimetallic Complexes Bearing Metallocenyl Diphosphine Moieties and Their Application to Catalytic Dehydrogenation of AmineBoranes. <i>Organometallics</i> , <b>2011</b> , 30, 2394-2404	3.8	45
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137	Cooperative catalytic reactions using organocatalysts and transition-metal catalysts: enantioselective propargylic alkylation of propargylic alcohols with aldehydes. <i>Angewandte Chemie - International Edition</i> , <b>2010</b> , 49, 7289-93	16.4	131
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59	Ruthenium-catalysed asymmetric hydrosilylation of ketoximes using chiral oxazolinylferrocenylphosphines. <i>Chemical Communications</i> , <b>2001</b> , 2360-1	5.8	41
58	Protonation of coordinated N <sub>2</sub> on tungsten with H <sub>2</sub> mediated by sulfido-bridged dinuclear molybdenum complexes. <i>Inorganic Chemistry</i> , <b>2001</b> , 40, 578-80	5.1	34
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55	Heterolytic Cleavage of Dihydrogen by Ruthenium and Molybdenum Complexes <b>2001</b> , 117-138		4
54	Cyclization of Terminal Dienes Catalyzed by Thiolate-Bridged Diruthenium Complexes: A Simple Synthetic Route to endo-Macrocyclic (Z)-1-En-3-yne. <i>Angewandte Chemie</i> , <b>2000</b> , 112, 3031-3033	3.6	7
53	Cyclization of Terminal Dienes Catalyzed by Thiolate-Bridged Diruthenium Complexes: A Simple Synthetic Route to endo-Macrocyclic (Z)-1-En-3-yne. <i>Angewandte Chemie - International Edition</i> , <b>2000</b> , 39, 2909-2911	16.4	48
52	Synthesis and Structures of 1,1'-Ferrocenedithiolato-Bridged Di- and Trinuclear Ruthenium Complexes. <i>Organometallics</i> , <b>2000</b> , 19, 3249-3252	3.8	23
51	Selenium Compounds as Ligands and Catalysts. <i>Topics in Current Chemistry</i> , <b>2000</b> , 235-255		20
50	Formation of ammonia in the reactions of a tungsten dinitrogen with ruthenium dihydrogen complexes under mild reaction conditions. <i>Inorganic Chemistry</i> , <b>2000</b> , 39, 5946-57	5.1	45
49	Selenoxide Elimination and [2,3]Sigmatropic Rearrangement. <i>Topics in Current Chemistry</i> , <b>2000</b> , 201-233		28
48	Novel Propargylic Substitution Reactions Catalyzed by Thiolate-Bridged Diruthenium Complexes via Allenylidene Intermediates. <i>Journal of the American Chemical Society</i> , <b>2000</b> , 122, 11019-11020	16.4	176
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46	Hydrogenolyse von Trimethylsilylenolethern unter Verwendung eines sauren Rutheniumdihydrogen-Komplexes als Katalysator. <i>Angewandte Chemie</i> , <b>1999</b> , 111, 3244-3247	3.6	3
45	Novel Catalytic Hydrogenolysis of Trimethylsilyl Enol Ethers by the Use of an Acidic Ruthenium Dihydrogen Complex. <i>Angewandte Chemie - International Edition</i> , <b>1999</b> , 38, 3047-3050	16.4	31
44	Extremely High Enantioselective Redox Reaction of Ketones and Alcohols Catalyzed by RuCl <sub>2</sub> (PPh <sub>3</sub> )(oxazolinylferrocenylphosphine). <i>Organometallics</i> , <b>1999</b> , 18, 2291-2293	3.8	135

43	The use of chiral diferrocenyl diselenides for highly selective asymmetric intramolecular selenocyclisation. <i>Journal of the Chemical Society Perkin Transactions 1</i> , <b>1999</b> , 1511-1516		22
42	Iridium-Catalyzed Asymmetric Hydrosilylation of Imines Using Chiral Oxazolinyl-Phosphine Ligands. <i>Organometallics</i> , <b>1999</b> , 18, 2271-2274	3.8	65
41	Novel Catalytic Hydrogenolysis of Trimethylsilyl Enol Ethers by the Use of an Acidic Ruthenium Dihydrogen Complex <b>1999</b> , 38, 3047		1
40	Ruthenium-Catalyzed Asymmetric Hydrosilylation of Ketones and Imine. <i>Organometallics</i> , <b>1998</b> , 17, 3420-3422	5.3	149
39	Synthesis of Heterobimetallic Fe-M (M = Ni, Pd, Pt) Complexes Containing the 1,1'-Ferrocenedithiolato Ligand and Their Conversion to Trinuclear Complexes. <i>Inorganic Chemistry</i> , <b>1998</b> , 37, 6428-6434	5.1	54
38	A Model for Protonation of Dinitrogen by Nitrogenase: Protonation of Coordinated Dinitrogen on Tungsten with Hydrosulfido-Bridged Dinuclear Complexes <sup>1</sup> . <i>Journal of the American Chemical Society</i> , <b>1998</b> , 120, 10559-10560	16.4	37
37	Allylation of arenes catalysed by thiolate-bridged diruthenium complexes. <i>Chemical Communications</i> , <b>1997</b> , 859-860	5.8	31
36	Catalytic Asymmetric Sulfimination. <i>Journal of Organic Chemistry</i> , <b>1997</b> , 62, 6512-6518	4.2	99
35	Synthesis, Structures, and Reactivities of Rhodium and Ruthenium Complexes with a Novel Chiral Cyclopentadienylferrocenyldiphenylphosphine Bidentate Ligand. <i>Organometallics</i> , <b>1997</b> , 16, 3091-3093	3.8	43
34	Chiral Bis(oxazoline)-copper Catalyzed Enantioselective Imidation of Sulfides. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , <b>1997</b> , 120, 363-364	1	5
33	Rhodium(I)-, iridium(I)-, and ruthenium(II)-catalyzed asymmetric transfer hydrogenation of ketones using diferrocenyl dichalcogenides as chiral ligands. <i>Journal of Organometallic Chemistry</i> , <b>1997</b> , 531, 13-18	4.3	42
32	Synthesis and structure of novel chiral oxazolinylferrocenes and oxazolinylferrocenylphosphines, and their rhodium(I)-complexes. <i>Journal of Organometallic Chemistry</i> , <b>1997</b> , 545-546, 381-398	2.3	55
31	Novel Chiral Ligands, Diferrocenyl Dichalcogenides and Their Derivatives, for Rhodium- and Iridium-Catalyzed Asymmetric Hydrosilylation. <i>Organometallics</i> , <b>1996</b> , 15, 370-379	3.8	106
30	Enantioselective ortho-Lithiation of Substituted Ferrocenes. <i>Journal of Organic Chemistry</i> , <b>1996</b> , 61, 1174-1179	4.1	90
29	Oxidative addition of diferrocenyl dichalcogenides to $[\{\text{Ru}(\eta^5\text{-C}_5\text{Me}_5)(\eta^3\text{-Cl})\}_4]$ . Syntheses, crystal structures and some reactivities of $[\{\text{Ru}(\eta^5\text{-C}_5\text{Me}_5)\text{Cl}(\eta^3\text{-ER})\}_2]$ (E = S, Se or Te; R = ferrocenyl). <i>Journal of the Chemical Society Dalton Transactions</i> , <b>1996</b> , 4307-4312		37
28	Novel asymmetric catalytic synthesis of sulfimides. <i>Chemical Communications</i> , <b>1996</b> , 931	5.8	58
27	Iridium(I)-catalysed asymmetric hydrosilylation of ketones using a chiral oxazolinylferrocene-phosphine hybrid ligand. <i>Chemical Communications</i> , <b>1996</b> , 847	5.8	61
26	Palladium-catalyzed cross-coupling reactions between organic tellurides and alkenes. <i>Journal of Organometallic Chemistry</i> , <b>1996</b> , 507, 197-200	2.3	51

25	Palladium-catalyzed homocoupling reactions of organic tellurides. <i>Journal of Organometallic Chemistry</i> , <b>1996</b> , 526, 335-339	2.3	37
24	Allylic amine formation by imination of allylic tellurides. <i>Tetrahedron Letters</i> , <b>1995</b> , 36, 6725-6728	2	14
23	The first example of chirality transfer in allylic telluroxides possible [2, 3]-sigmatropic rearrangement. <i>Tetrahedron Letters</i> , <b>1995</b> , 36, 1519-1522	2	19
22	Asymmetric Synthesis and Highly Diastereoselective ortho-Lithiation of Oxazolinyferrocenes. <i>Synlett</i> , <b>1995</b> , 1995, 79-81	2.2	191
21	Chiral Oxazolinyferrocene-Phosphine Hybrid Ligand for the Asymmetric Hydrosilylation of Ketones. <i>Organometallics</i> , <b>1995</b> , 14, 5486-5487	3.8	133
20	The first example of enantioselective carbenoid addition to organochalcogen atoms: application to [2,3]sigmatropic rearrangement of allylic chalcogen ylides. <i>Journal of the Chemical Society Chemical Communications</i> , <b>1995</b> , 1245		71
19	High chirality transfer in chiral selenimides via [2,3]sigmatropic rearrangement. <i>Journal of the Chemical Society Chemical Communications</i> , <b>1995</b> , 1243		28
18	Highly selective asymmetric intramolecular selenocyclisation. <i>Journal of the Chemical Society Chemical Communications</i> , <b>1995</b> , 2321		45
17	Synthesis of chiral diferrocenyl dichalcogenides and their application to asymmetric nucleophilic ring opening of meso-epoxides. <i>Journal of the Chemical Society Perkin Transactions 1</i> , <b>1995</b> , 2871		28
16	[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]. <i>Journal of Organic Chemistry</i> , <b>1995</b> , 60, 8326-8326	4.2	2
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13	Synthesis of chiral diferrocenyl diselenides and their application to asymmetric reactions. <i>Tetrahedron Letters</i> , <b>1994</b> , 35, 3115-3118	2	62
12	Syntheses and reactivities of ferrocenyl organyl tellurides. <i>Journal of Organometallic Chemistry</i> , <b>1994</b> , 473, 205-213	2.3	21
11	Rhodium(I)-catalysed asymmetric hydrosilylation of ketones using new diferrocenyl dichalcogenides (R,S)-{[EC5H3CHMe(NMe2)]Fe(C5H5)} <sub>2</sub> (E = S, Se, Te), as chiral ligands. <i>Journal of the Chemical Society Chemical Communications</i> , <b>1994</b> , 1375		56
10	Dinuclear ( $\eta^5$ -C5Me5)Ru complexes triply bridged by tellurium or selenium ligands Syntheses and characterisation of ( $\eta^5$ -C5Me5)Ru( $\eta^2$ -RTeTeR)( $\eta^2$ -TeR) <sub>2</sub> Ru( $\eta^5$ -C5Me5) and [( $\eta^5$ -C5Me5)Ru( $\eta^2$ -SeR) <sub>3</sub> Ru( $\eta^5$ -C5Me5)]Cl (R = Tol, Ph). <i>Journal of the Chemical Society Chemical Communications</i> , <b>1994</b> , 223-224		24
9	Asymmetric selenoxide elimination leading to chiral allenic sulfones. <i>Journal of Organic Chemistry</i> , <b>1993</b> , 58, 3697-3702	4.2	29
8	Asymmetric [2,3] sigmatropic rearrangement via chiral selenoxide with sharpless oxidants. <i>Tetrahedron Letters</i> , <b>1993</b> , 34, 2339-2342	2	26

7	Telluroxide elimination by oxidation of alkyl aryl tellurides: remarkable effect of added triethylamine. <i>Journal of the Chemical Society Perkin Transactions 1</i> , <b>1993</b> , 1133		20
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4	Allenylidene Complexes in Catalysis	217-250	3
3	Ammonia Formation Catalyzed by Dinitrogen-Bridged Dirhenium Complex Bearing PNP-Pincer Ligands under Mild Reaction Conditions		3
2	Manganese-Catalyzed Ammonia Oxidation into Dinitrogen		2
1	Development of Asymmetric Propargylic Substitution Reactions Using Transition Metal Catalysts. <i>Chemistry Letters</i> ,	1.7	10