

# Kazunari Nakajima

## List of Publications by Citations

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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.

71 papers	3,962 citations	34 h-index	62 g-index
77 ext. papers	4,537 ext. citations	7.2 avg, IF	5.92 L-index

#	Paper	IF	Citations
71	Visible-light-mediated utilization of $\beta$ -aminoalkyl radicals: addition to electron-deficient alkenes using photoredox catalysts. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 3338-41	16.4	315
70	Synthetic Utilization of $\beta$ -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
69	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
68	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
67	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
66	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
65	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
64	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
63	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
62	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
61	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
60	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
59	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
58	Direct sp <sup>3</sup> C-H amination of nitrogen-containing benzoheterocycles mediated by visible-light-photoredox catalysts. <i>Chemistry - A European Journal</i> , <b>2012</b> , 18, 16473-7	4.8	90
57	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
56	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
55	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

54	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
53	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
52	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
51	Hydroboration of Alkynes Catalyzed by Pyrrolide-Based PNP Pincer-Iron Complexes. <i>Organic Letters</i> , <b>2017</b> , 19, 4323-4326	6.2	71
50	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
49	Visible-light-mediated addition of $\alpha$ -aminoalkyl radicals to [60]fullerene by using photoredox catalysts. <i>Chemistry - A European Journal</i> , <b>2014</b> , 20, 6120-5	4.8	56
48	Enantioselective intramolecular propargylic amination using chiral copper-pybox complexes as catalysts. <i>Chemical Communications</i> , <b>2014</b> , 50, 7874-7	5.8	55
47	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
46	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
45	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
44	Synthesis of nitrogen heterocycles via $\alpha$ -aminoalkyl radicals generated from $\beta$ -silyl secondary amines under visible light irradiation. <i>Chemical Communications</i> , <b>2014</b> , 50, 8900-3	5.8	46
43	Copper-catalyzed nucleophilic trifluoromethylation of propargylic halides. <i>Chemical Communications</i> , <b>2013</b> , 49, 7809-11	5.8	45
42	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
41	Design and Synthesis of Diphosphine Ligands Bearing an Osmium(II) Bis(terpyridyl) Moiety as a Light-Harvesting Unit: Application to Photocatalytic Production of Dihydrogen. <i>Organometallics</i> , <b>2009</b> , 28, 5240-5243	3.8	40
40	Ruthenium-catalysed oxidative conversion of ammonia into dinitrogen. <i>Nature Chemistry</i> , <b>2019</b> , 11, 702-706	10.9	36
39	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
38	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
37	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

36	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
35	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
34	Preparation and reactivity of a dinitrogen-bridged dimolybdenum-tetrachloride complex. <i>Chemical Communications</i> , <b>2013</b> , 49, 11215-7	5.8	26
33	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
32	Copper-catalyzed nucleophilic trifluoromethylation of benzylic chlorides. <i>Organic and Biomolecular Chemistry</i> , <b>2014</b> , 12, 5594-6	3.9	24
31	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
30	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
29	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
28	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
27	Hydrogenation of Carbon Dioxide with Organic Base by PCIP-Ir Catalysts. <i>Organometallics</i> , <b>2018</b> , 37, 3001-3009	3.8	22
26	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
25	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
24	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
23	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
22	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
21	Radical Addition to Corannulene Mediated by Visible-light-photoredox Catalysts. <i>Chemistry Letters</i> , <b>2015</b> , 44, 545-547	1.7	18
20	A Practical Synthesis of Ammonia from Nitrogen Gas, Samarium Diiodide and Water Catalyzed by a Molybdenum-PCP Pincer Complex. <i>Synthesis</i> , <b>2019</b> , 51, 3792-3795	2.9	17
19	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

18	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
17	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
16	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
15	Practical Synthesis of a PCP-Type Pincer Ligand and Its Metal Complexes <i>Synthesis</i> , <b>2018</b> , 50, 1015-1019	2.9	13
14	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
13	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
12	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
11	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
10	Copper-Catalyzed [3+2] Cycloaddition Reactions of Isocynoacetates with Phosphaalkynes to Prepare 1,3-Azaphospholes. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 1168-1173	16.4	9
9	Dicationic Thiolate-Bridged Diruthenium Complexes for Catalytic Oxidation of Molecular Dihydrogen. <i>Organometallics</i> , <b>2017</b> , 36, 4499-4506	3.8	6
8	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
7	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
6	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
5	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
4	Manganese-Catalyzed Ammonia Oxidation into Dinitrogen		2
3	Manganese-Catalyzed Ammonia Oxidation into Dinitrogen under Chemical or Electrochemical Conditions*. <i>ChemPlusChem</i> , <b>2021</b> , 86, 1511-1516	2.8	2
2	Copper-Catalyzed [3+2] Cycloaddition Reactions of Isocynoacetates with Phosphaalkynes to Prepare 1,3-Azaphospholes. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 1180-1185	3.6	1
1	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	

