

Kazunari Nakajima

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2343086/publications.pdf>

Version: 2024-02-01

70
papers

4,930
citations

101543

36
h-index

91884

69
g-index

77
all docs

77
docs citations

77
times ranked

3355
citing authors

#	ARTICLE	IF	CITATIONS
1	Visible-Light-Mediated Utilization of $\hat{\pm}$ -Aminoalkyl Radicals: Addition to Electron-Deficient Alkenes Using Photoredox Catalysts. <i>Journal of the American Chemical Society</i> , 2012, 134, 3338-3341.	13.7	355
2	Synthetic Utilization of $\hat{\pm}$ -Aminoalkyl Radicals and Related Species in Visible Light Photoredox Catalysis. <i>Accounts of Chemical Research</i> , 2016, 49, 1946-1956.	15.6	344
3	Catalytic transformation of dinitrogen into ammonia and hydrazine by iron-dinitrogen complexes bearing pincer ligand. <i>Nature Communications</i> , 2016, 7, 12181.	12.8	244
4	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> , 2015, 137, 5666-5669.	13.7	215
5	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> , 2014, 136, 9719-9731.	13.7	202
6	Remarkable catalytic activity of dinitrogen-bridged dimolybdenum complexes bearing NHC-based PCP-pincer ligands toward nitrogen fixation. <i>Nature Communications</i> , 2017, 8, 14874.	12.8	198
7	Direct Transformation of Molecular Dinitrogen into Ammonia Catalyzed by Cobalt Dinitrogen Complexes Bearing Anionic PNP Pincer Ligands. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 14291-14295.	13.8	184
8	Nickel- and Photoredox-Catalyzed Cross-Coupling Reactions of Aryl Halides with 4-Alkyl-4-dihydropyridines as Formal Nucleophilic Alkylation Reagents. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 14106-14110.	13.8	164
9	Unique behaviour of dinitrogen-bridged dimolybdenum complexes bearing pincer ligand towards catalytic formation of ammonia. <i>Nature Communications</i> , 2014, 5, 3737.	12.8	162
10	Copper-Catalyzed Enantioselective Propargylic Etherification of Propargylic Esters with Alcohols. <i>Journal of the American Chemical Society</i> , 2015, 137, 2472-2475.	13.7	159
11	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> , 2017, 90, 1111-1118.	3.2	156
12	Construction of Chiral Tri- and Tetra- Aryl Methanes Bearing Quaternary Carbon Centers: Copper-Catalyzed Enantioselective Propargylation of Indoles with Propargylic Esters. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 9728-9732.	13.8	134
13	Visible-light-mediated addition of $\hat{\pm}$ -aminoalkyl radicals generated from $\hat{\pm}$ -silylamines to $\hat{\pm}$, $\hat{2}$ -unsaturated carbonyl compounds. <i>Chemical Communications</i> , 2012, 48, 6966.	4.1	121
14	Cleavage and Formation of Molecular Dinitrogen in a Single System Assisted by Molybdenum Complexes Bearing Ferrocenyldiphosphine. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 11488-11492.	13.8	111
15	Visible-Light-Mediated Aromatic Substitution Reactions of Cyanoarenes with 4-Alkyl-4-dihydropyridines through Double Carbon-Carbon Bond Cleavage. <i>ChemCatChem</i> , 2016, 8, 1028-1032.	3.7	109
16	Catalytic Reduction of Molecular Dinitrogen to Ammonia and Hydrazine Using Vanadium Complexes. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 9064-9068.	13.8	109
17	Visible light-mediated oxidative decarboxylation of arylacetic acids into benzyl radicals: addition to electron-deficient alkenes by using photoredox catalysts. <i>Chemical Communications</i> , 2013, 49, 7854.	4.1	104
18	Nitrogen fixation catalyzed by ferrocene-substituted dinitrogen-bridged dimolybdenum dinitrogen complexes: unique behavior of ferrocene moiety as redox active site. <i>Chemical Science</i> , 2015, 6, 3940-3951.	7.4	100

#	ARTICLE	IF	CITATIONS
19	Direct $\text{sp}^3\text{C-H}$ Amination of Nitrogen-Containing Benzoheterocycles Mediated by Visible-Light Photoredox Catalysts. <i>Chemistry - A European Journal</i> , 2012, 18, 16473-16477.	3.3	99
20	Hydroboration of Alkynes Catalyzed by Pyrrolide-Based PNP Pincer-Iron Complexes. <i>Organic Letters</i> , 2017, 19, 4323-4326.	4.6	86
21	Cobalt-Catalyzed Transformation of Molecular Dinitrogen into Silylamine under Ambient Reaction Conditions. <i>Chemistry - A European Journal</i> , 2015, 21, 8905-8909.	3.3	80
22	Ruthenium-catalysed oxidative conversion of ammonia into dinitrogen. <i>Nature Chemistry</i> , 2019, 11, 702-709.	13.6	75
23	Synthesis and Reactivity of Iron- and Cobalt-Dinitrogen Complexes Bearing PSi-Type Pincer Ligands toward Nitrogen Fixation. <i>European Journal of Inorganic Chemistry</i> , 2017, 2017, 3769-3778.	2.0	70
24	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> , 2017, 53, 12040-12043.	4.1	63
25	Visible-Light-Mediated Addition of $\dot{\text{C}}\text{H}_2$ -Aminoalkyl Radicals to [60]Fullerene by Using Photoredox Catalysts. <i>Chemistry - A European Journal</i> , 2014, 20, 6120-6125.	3.3	61
26	Preparation and reactivity of iron complexes bearing anionic carbazole-based PNP-type pincer ligands toward catalytic nitrogen fixation. <i>Dalton Transactions</i> , 2018, 47, 1117-1121.	3.3	61
27	Enantioselective intramolecular propargylic amination using chiral copper-pybox complexes as catalysts. <i>Chemical Communications</i> , 2014, 50, 7874-7877.	4.1	60
28	Synthesis of nitrogen heterocycles <i>via</i> $\dot{\text{C}}\text{H}_2$ -aminoalkyl radicals generated from $\dot{\text{C}}\text{H}_2$ -silyl secondary amines under visible light irradiation. <i>Chemical Communications</i> , 2014, 50, 8900-8903.	4.1	60
29	Vanadium-catalyzed Reduction of Molecular Dinitrogen into Silylamine under Ambient Reaction Conditions. <i>Chemistry Letters</i> , 2017, 46, 466-468.	1.3	53
30	Copper-catalyzed nucleophilic trifluoromethylation of propargylic halides. <i>Chemical Communications</i> , 2013, 49, 7809.	4.1	52
31	Cooperative Catalysis: Enantioselective Propargylic Alkylation of Propargylic Alcohols with Enecarbamates Using Ruthenium/Phosphoramidate Hybrid Catalysts. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 4060-4064.	13.8	51
32	Molybdenum-Catalyzed Ammonia Formation Using Simple Monodentate and Bidentate Phosphines as Auxiliary Ligands. <i>Inorganic Chemistry</i> , 2019, 58, 8927-8932.	4.0	48
33	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> , 2009, 28, 5240-5243.	2.3	47
34	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> , 2016, 2016, 4856-4861.	2.0	39
35	Preparation and reactivity of molybdenum-dinitrogen complexes bearing an arsenic-containing ANA-type pincer ligand. <i>Chemical Communications</i> , 2013, 49, 9290.	4.1	38
36	Design and Preparation of Molybdenum-Dinitrogen Complexes with Ferrocenyldiphosphine and Pentamethylcyclopentadienyl Moieties as Auxiliary Ligands. <i>Chemistry - A European Journal</i> , 2013, 19, 11874-11877.	3.3	37

#	ARTICLE	IF	CITATIONS
37	Synthesis and Catalytic Activity of Molybdenumâ€“Nitride Complexes Bearing Pincer Ligands. <i>European Journal of Inorganic Chemistry</i> , 2015, 2015, 1789-1794.	2.0	35
38	Crossâ€“Coupling Reactions of Alkenyl Halides with 4â€“Benzylâ€“1,4â€“Dihydropyridines Associated with <i>E</i> -Z Isomerization under Nickel and Photoredox Catalysis. <i>Chemistry - an Asian Journal</i> , 2018, 13, 3653-3657.	3.3	34
39	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> , 2018, 37, 3086-3092.	2.3	33
40	Effect of substituents on molybdenum triiodide complexes bearing PNP-type pincer ligands toward catalytic nitrogen fixation. <i>Dalton Transactions</i> , 2019, 48, 3182-3186.	3.3	33
41	Synthesis of Phosphabenzenes by an Ironâ€“Catalyzed [2+2+2] Cycloaddition Reaction of Diynes with Phosphaalkynes. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 7597-7601.	13.8	32
42	Hydrogenation of Carbon Dioxide with Organic Base by PC ^{II} -P-Ir Catalysts. <i>Organometallics</i> , 2018, 37, 3001-3009.	2.3	29
43	Preparation and reactivity of a dinitrogen-bridged dimolybdenum-tetrachloride complex. <i>Chemical Communications</i> , 2013, 49, 11215.	4.1	28
44	Synthesis and reactivity of titanium- and zirconium-dinitrogen complexes bearing anionic pyrrole-based PNP-type pincer ligands. <i>Dalton Transactions</i> , 2018, 47, 11322-11326.	3.3	28
45	Copper-catalyzed nucleophilic trifluoromethylation of benzylic chlorides. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 5594-5596.	2.8	27
46	Iron-Catalyzed [2 + 2 + 2] Cycloaddition Reactions of Diynes with Oxyphosphaethynes To Construct 2-Phosphaphenol Derivatives. <i>Organic Letters</i> , 2016, 18, 5006-5009.	4.6	27
47	Catalytic Conversion of Dinitrogen into Ammonia under Ambient Reaction Conditions by Using Proton Source from Water. <i>Chemistry - an Asian Journal</i> , 2017, 12, 2544-2548.	3.3	26
48	Catalytic reduction of dinitrogen to tris(trimethylsilyl)amine using rhodium complexes with a pyrrole-based PNP-type pincer ligand. <i>Chemical Communications</i> , 2019, 55, 14886-14889.	4.1	26
49	Alkylation Reactions of Azodicarboxylate Esters with 4-Alkyl-1,4-Dihydropyridines under Catalyst-Free Conditions. <i>Organic Letters</i> , 2019, 21, 4642-4645.	4.6	24
50	Catalytic Reactivity of Molybdenumâ€“Trihalide Complexes Bearing PCPâ€“Type Pincer Ligands. <i>Chemistry - an Asian Journal</i> , 2019, 14, 2091-2096.	3.3	24
51	Catalytic Câ€“H Borylation Using Iron Complexes Bearing 4,5,6,7â€“Tetrahydroisindolâ€“2â€“ideâ€“Based PNPâ€“Type Pincer Ligand. <i>Chemistry - an Asian Journal</i> , 2019, 14, 2097-2101.	3.3	24
52	Synthesis and Reactivity of Ruthenium Complexes Bearing Arsenic-Containing Arsenic-Nitrogen-Arsenic-Type Pincer Ligand. <i>Organometallics</i> , 2014, 33, 5295-5300.	2.3	23
53	Synthesis and Reactivity of Molybdenumâ€“Dinitrogen Complexes Bearing PNNâ€“Type Pincer Ligand. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2015, 641, 100-104.	1.2	23
54	A Practical Synthesis of Ammonia from Nitrogen Gas, Samarium Diodide and Water Catalyzed by a Molybdenumâ€“PCP Pincer Complex. <i>Synthesis</i> , 2019, 51, 3792-3795.	2.3	22

#	ARTICLE	IF	CITATIONS
55	Manganese-Catalyzed Ammonia Oxidation into Dinitrogen under Chemical or Electrochemical Conditions**. ChemPlusChem, 2021, 86, 1511-1516.	2.8	21
56	Catalytic Reduction of Molecular Dinitrogen to Ammonia and Hydrazine Using Vanadium Complexes. Angewandte Chemie, 2018, 130, 9202-9206.	2.0	20
57	Radical Addition to Corannulene Mediated by Visible-light-photoredox Catalysts. Chemistry Letters, 2015, 44, 545-547.	1.3	19
58	Copper- and Boronic Acid-catalyzed Propargylic Etherification of Propargylic Carbonates with Benzyl Alcohols. Chemistry Letters, 2018, 47, 671-673.	1.3	17
59	Practical Synthesis of a PCP-Type Pincer Ligand and Its Metal Complexes. Synthesis, 2018, 50, 1015-1019.	2.3	16
60	Copper-Catalyzed [3+2] Cycloaddition Reactions of Isocyanoacetates with Phosphaalkynes to Prepare 1,3-Azaphospholes. Angewandte Chemie - International Edition, 2019, 58, 1168-1173.	13.8	16
61	Copper-catalysed enantioselective intramolecular etherification of propargylic esters: synthetic approach to chiral isochromans. RSC Advances, 2019, 9, 18918-18922.	3.6	14
62	Synthesis and Catalytic Reactivity of Bis(molybdenum-trihalide) Complexes Bridged by Ferrocene Skeleton toward Catalytic Nitrogen Fixation. Organometallics, 2019, 38, 2863-2872.	2.3	13
63	Synthesis and Redox Properties of PNP Pincer Complexes Based on <i>N</i> -Methyl-4,4'-bipyridinium. European Journal of Inorganic Chemistry, 2014, 2014, 4273-4280.	2.0	11
64	Dicationic Thiolate-Bridged Diruthenium Complexes for Catalytic Oxidation of Molecular Dihydrogen. Organometallics, 2017, 36, 4499-4506.	2.3	6
65	Catalytic Activity of Thiolate-Bridged Diruthenium Complexes Bearing Pendant Ether Moieties in the Oxidation of Molecular Dihydrogen. Chemistry - A European Journal, 2017, 23, 1007-1012.	3.3	6
66	Phosphine Oxidation with Water and Ferrocenium(III) Cation Induced by Visible-Light Irradiation. Chemistry - A European Journal, 2018, 24, 18618-18622.	3.3	6
67	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.	3.6	6
68	Copper-Catalyzed [3+2] Cycloaddition Reactions of Isocyanoacetates with Phosphaalkynes to Prepare 1,3-Azaphospholes. Angewandte Chemie, 2019, 131, 1180-1185.	2.0	3
69	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.	2.0	2
70	Phosphine Oxidation with Water and Ferrocenium(III) Cation induced by Visible-Light Irradiation. Chemistry - A European Journal, 2018, 24, 18567-18567.	3.3	0