

# kyoko Nozaki

## List of Publications by Citations

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348  
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444  
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21,192  
ext. citations

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L-index

#	Paper	IF	Citations
348	Catalytic hydrogenation of carbon dioxide using Ir(III)-pincer complexes. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 14168-9	16.4	723
347	Coordination-insertion copolymerization of fundamental polar monomers. <i>Chemical Reviews</i> , <b>2009</b> , 109, 5215-44	68.1	669
346	Boryllithium: isolation, characterization, and reactivity as a boryl anion. <i>Science</i> , <b>2006</b> , 314, 113-5	33.3	445
345	Ortho-phosphinobenzenesulfonate: a superb ligand for palladium-catalyzed coordination-insertion copolymerization of polar vinyl monomers. <i>Accounts of Chemical Research</i> , <b>2013</b> , 46, 1438-49	24.3	390
344	Highly enantioselective hydroformylation of olefins catalyzed by new phosphine phosphite-rhodium(I) complexes. <i>Journal of the American Chemical Society</i> , <b>1993</b> , 115, 7033-7034	16.4	388
343	Highly Enantioselective Hydroformylation of Olefins Catalyzed by Rhodium(I) Complexes of New Chiral Phosphine Phosphite Ligands. <i>Journal of the American Chemical Society</i> , <b>1997</b> , 119, 4413-4423	16.4	346
342	Selective formation of polycarbonate over cyclic carbonate: copolymerization of epoxides with carbon dioxide catalyzed by a cobalt(III) complex with a piperidinium end-capping arm. <i>Angewandte Chemie - International Edition</i> , <b>2006</b> , 45, 7274-7	16.4	299
341	Et <sub>3</sub> B-induced radical addition of R <sub>3</sub> SnH to acetylenes and its application to cyclization reaction. <i>Journal of the American Chemical Society</i> , <b>1987</b> , 109, 2547-2549	16.4	295
340	Cationic BINAP-Ru(II) Halide Complexes: Highly Efficient Catalysts for Stereoselective Asymmetric Hydrogenation of $\alpha$ - and $\beta$ -Functionalized Ketones. <i>Journal of Organic Chemistry</i> , <b>1994</b> , 59, 3064-3076	4.2	282
339	Chemistry of boryllithium: synthesis, structure, and reactivity. <i>Journal of the American Chemical Society</i> , <b>2008</b> , 130, 16069-79	16.4	277
338	Mechanistic Studies on the Reversible Hydrogenation of Carbon Dioxide Catalyzed by an Ir-PNP Complex. <i>Organometallics</i> , <b>2011</b> , 30, 6742-6750	3.8	251
337	Formation of linear copolymers of ethylene and acrylonitrile catalyzed by phosphine sulfonate palladium complexes. <i>Journal of the American Chemical Society</i> , <b>2007</b> , 129, 8948-9	16.4	232
336	Transition-Metal-Catalyzed Functional Polyolefin Synthesis: Effecting Control through Chelating Ancillary Ligand Design and Mechanistic Insights. <i>Macromolecules</i> , <b>2014</b> , 47, 2541-2555	5.5	197
335	Copolymerization of vinyl acetate with ethylene by palladium/alkylphosphine-sulfonate catalysts. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 14606-7	16.4	185
334	Facile synthetic route to highly luminescent sila[7]helicene. <i>Organic Letters</i> , <b>2013</b> , 15, 2104-7	6.2	184
333	Optically Active Polycarbonates: Asymmetric Alternating Copolymerization of Cyclohexene Oxide and Carbon Dioxide. <i>Journal of the American Chemical Society</i> , <b>1999</b> , 121, 11008-11009	16.4	183
332	Boryl anion attacks transition-metal chlorides to form boryl complexes: syntheses, spectroscopic, and structural studies on group 11 borylmetal complexes. <i>Angewandte Chemie - International Edition</i> , <b>2007</b> , 46, 6710-3	16.4	179

331	Triethylborane-Induced Hydrodehalogenation of Organic Halides by Tin Hydrides. <i>Bulletin of the Chemical Society of Japan</i> , <b>1989</b> , 62, 143-147	5.1	179
330	Syntheses of PBP pincer iridium complexes: a supporting boryl ligand. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 9201-3	16.4	178
329	Synthesis, structure of borylmagnesium, and its reaction with benzaldehyde to form benzoylborane. <i>Journal of the American Chemical Society</i> , <b>2007</b> , 129, 9570-1	16.4	170
328	Highly Enantioselective Alternating Copolymerization of Propene with Carbon Monoxide Catalyzed by a Chiral Phosphine-Phosphite-Palladium(II) Complex. <i>Journal of the American Chemical Society</i> , <b>1995</b> , 117, 9911-9912	16.4	165
327	Mechanistic Aspects of the Alternating Copolymerization of Propene with Carbon Monoxide Catalyzed by Pd(II) Complexes of Unsymmetrical Phosphine-Phosphite Ligands. <i>Journal of the American Chemical Society</i> , <b>1997</b> , 119, 12779-12795	16.4	163
326	Stereospecific synthesis of hetero[7]helicenes by Pd-catalyzed double N-arylation and intramolecular O-arylation. <i>Angewandte Chemie - International Edition</i> , <b>2005</b> , 44, 7136-8	16.4	163
325	Syntheses, structures, and reactivities of borylcopper and -zinc compounds: 1,4-silaboration of an alpha,beta-unsaturated ketone to form a gamma-siloxyallylborane. <i>Angewandte Chemie - International Edition</i> , <b>2008</b> , 47, 6606-10	16.4	161
324	Carbon monoxide free aminocarbonylation of aryl and alkenyl iodides using DMF as an amide source. <i>Organic Letters</i> , <b>2002</b> , 4, 2849-51	6.2	158
323	Alternating Copolymerization of Cyclohexene Oxide with Carbon Dioxide Catalyzed by (salalen)CrCl Complexes. <i>Macromolecules</i> , <b>2009</b> , 42, 6972-6980	5.5	156
322	The double N-arylation of primary amines: toward multisubstituted carbazoles with unique optical properties. <i>Angewandte Chemie - International Edition</i> , <b>2003</b> , 42, 2051-3	16.4	153
321	Asymmetric alternating copolymerization of cyclohexene oxide and CO <sub>2</sub> with dimeric zinc complexes. <i>Journal of the American Chemical Society</i> , <b>2003</b> , 125, 5501-10	16.4	152
320	Stereocomplex of poly(propylene carbonate): synthesis of stereogradient poly(propylene carbonate) by regio- and enantioselective copolymerization of propylene oxide with carbon dioxide. <i>Angewandte Chemie - International Edition</i> , <b>2011</b> , 50, 4868-71	16.4	149
319	β-Phospha[7]helicenes: synthesis, properties, and columnar aggregation with one-way chirality. <i>Angewandte Chemie - International Edition</i> , <b>2012</b> , 51, 695-9	16.4	144
318	Metal-catalyzed synthesis of stereoregular polyketones, polyesters, and polycarbonates. <i>Dalton Transactions</i> , <b>2003</b> , 4039-4050	4.3	143
317	Copolymerization of Propylene and Polar Monomers Using Pd/IzQO Catalysts. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 10934-7	16.4	139
316	Tetravalent metal complexes as a new family of catalysts for copolymerization of epoxides with carbon dioxide. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 10720-3	16.4	139
315	Asymmetric Hydroformylation of Olefins in a Highly Cross-Linked Polymer Matrix. <i>Journal of the American Chemical Society</i> , <b>1998</b> , 120, 4051-4052	16.4	138
314	Bimetallic mechanism operating in the copolymerization of propylene oxide with carbon dioxide catalyzed by cobalt-salalen complexes. <i>Chemical Science</i> , <b>2010</b> , 1, 369	9.4	136

- 313 Synthesis of ladder-type pi-conjugated heteroacenes via palladium-catalyzed double N-arylation and intramolecular O-arylation. *Journal of Organic Chemistry*, **2007**, 72, 5119-28 4.2 134
- 312 Synthesis of functional polyolefins using cationic bisphosphine monoxide-palladium complexes. *Journal of the American Chemical Society*, **2012**, 134, 8802-5 16.4 133
- 311 Highly Efficient Enantioselective Synthesis of Optically Active Carboxylic Acids by Ru(OCOCH<sub>3</sub>)<sub>2</sub>[(S)-H8-BINAP]. *Journal of Organic Chemistry*, **1996**, 61, 5510-5516 4.2 133
- 310 Benzene-Fused Azacorannulene Bearing an Internal Nitrogen Atom. *Angewandte Chemie - International Edition*, **2015**, 54, 7256-60 16.4 131
- 309 Mechanistic studies on the formation of linear polyethylene chain catalyzed by palladium phosphine-sulfonate complexes: experiment and theoretical studies. *Journal of the American Chemical Society*, **2009**, 131, 14088-100 16.4 131
- 308 Double N-arylation of primary amines: carbazole synthesis from 2,2'-biphenyldiols. *Journal of Organic Chemistry*, **2005**, 70, 413-9 4.2 130
- 307 Copper-Catalyzed Hydroboration of Carbon Dioxide. *Organometallics*, **2013**, 32, 2459-2462 3.8 129
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- 304 Coordination-insertion copolymerization of allyl monomers with ethylene. *Journal of the American Chemical Society*, **2011**, 133, 1232-5 16.4 115
- 303 Asymmetric hydroformylation of 1,2-disubstituted olefins catalysed by chiral phosphinephosphite-rhodium(I) complexes. *Journal of the Chemical Society Chemical Communications*, **1994**, 395-396 110
- 302 Trialkylborane as an Initiator and Terminator of Free Radical Reactions. Facile Routes to Boron Enolates via  $\alpha$ -Carbonyl Radicals and Aldol Reaction of Boron Enolates. *Bulletin of the Chemical Society of Japan*, **1991**, 64, 403-409 5.1 110
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- 299 Stereoselective alternating copolymerization of carbon monoxide with alkenes. *Journal of Organometallic Chemistry*, **1999**, 576, 248-253 2.3 109
- 298 High-yielding tandem hydroformylation/hydrogenation of a terminal olefin to produce a linear alcohol using a Rh/Ru dual catalyst system. *Angewandte Chemie - International Edition*, **2010**, 49, 4488-90 16.4 108
- 297 Copolymerization of carbon dioxide and butadiene via a lactone intermediate. *Nature Chemistry*, **2014**, 6, 325-31 17.6 107
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- 294 Group-4 transition-metal boryl complexes: syntheses, structures, boron-metal bonding properties, and application as a polymerization catalyst. *Journal of the American Chemical Society*, **2009**, 131, 14162-3 16.4 101
- 293 Copolymerization of Ethylene and Polar Monomers by Using Ni/IzQO Catalysts. *Angewandte Chemie - International Edition*, **2016**, 55, 2835-9 16.4 99
- 292 Oxidative addition of a strained C-C bond onto electron-rich rhodium(I) at room temperature. *Journal of the American Chemical Society*, **2013**, 135, 7142-5 16.4 98
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- 279 Synthesis and Properties of [7]Helicene-like Compounds Fused with a Fluorene Unit. *Organic Letters*, **2016**, 18, 3654-7 6.2 84
- 278 Manganese-corrole complexes as versatile catalysts for the ring-opening homo- and co-polymerization of epoxide. *Chemistry - A European Journal*, **2014**, 20, 4789-95 4.8 83

- 277 Facile estimation of catalytic activity and selectivities in copolymerization of propylene oxide with carbon dioxide mediated by metal complexes with planar tetradentate ligand. *Journal of the American Chemical Society*, **2014**, 136, 10728-35 16.4 82
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- 274 Et<sub>3</sub>B induced radical addition of Ph<sub>3</sub>SnH to acetylenes and its application to cyclization reaction. *Tetrahedron*, **1989**, 45, 923-933 2.4 81
- 273 Asymmetric hydroformylation of conjugated dienes catalyzed by chiral phosphine-phosphite-Rh(I) complex. *Tetrahedron*, **1997**, 53, 7795-7804 2.4 80
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- 270 Alternating copolymerization of vinyl acetate with carbon monoxide. *Journal of the American Chemical Society*, **2007**, 129, 7770-1 16.4 75
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- 268 Boryl Anion Attacks Transition-Metal Chlorides To Form Boryl Complexes: Syntheses, Spectroscopic, and Structural Studies on Group 11 Borylmetal Complexes. *Angewandte Chemie*, **2007**, 119, 6830-6833 3.6 74
- 267 Facile reduction of dithiocarbonates with n-Bu<sub>3</sub>SnH-Et<sub>3</sub>B. Easy access to hydrocarbons from secondary alcohols. *Tetrahedron Letters*, **1988**, 29, 6125-6126 2 72
- 266 Spectral Assignment of Poly[cyclohexene oxide-alt-carbon dioxide]. *Macromolecules*, **2001**, 34, 6325-6332.5 71
- 265 Facile routes to boron enolates. Et<sub>3</sub>B-mediated Reformatsky type reaction and three components coupling reaction of alkyl iodides, methyl vinyl ketone, and carbonyl compounds. *Tetrahedron Letters*, **1988**, 29, 1041-1044 2 71
- 264 Syntheses, Structures, and Reactivities of Borylcopper and -zinc Compounds: 1,4-Silaboration of an  $\alpha,\beta$ -Unsaturated Ketone to Form a  $\beta$ -Siloxyallylborane. *Angewandte Chemie*, **2008**, 120, 6708-6712 3.6 70
- 263 An Anionic Dinuclear BINAP-Ruthenium(II) Complex: Crystal Structure of [NH<sub>2</sub>Et<sub>2</sub>][{RuCl((R)-p-MeO-BINAP)}<sub>2</sub>(Cl)<sub>3</sub>] and Its Use in Asymmetric Hydrogenation. *Organometallics*, **1996**, 15, 1521-1523 3.8 70
- 262 Recent Developments of Boryl Anions: Boron Analogues of Carbanion. *Bulletin of the Chemical Society of Japan*, **2008**, 81, 1377-1392 5.1 69
- 261 Acceptorless dehydrogenation of C-C single bonds adjacent to functional groups by metal-ligand cooperation. *Journal of the American Chemical Society*, **2013**, 135, 18726-9 16.4 67
- 260 Direct and selective hydrogenolysis of arenols and aryl methyl ethers. *Nature Communications*, **2015**, 6, 6296 17.4 66

259	Syntheses and properties of triborane(5)s possessing bulky diamino substituents on terminal boron atoms. <i>Chemical Communications</i> , <b>2011</b> , 47, 5888-90	5.8	65
258	Coordination-insertion copolymerization of polar vinyl monomers by palladium catalysts. <i>Chemical Record</i> , <b>2010</b> , 10, 315-25	6.6	65
257	Crystal Structure of Boryllithium with Two THF Molecules and DFT Analysis of Its Property as a Boryl Anion. <i>Chemistry Letters</i> , <b>2008</b> , 37, 802-803	1.7	64
256	Elucidating the Key Role of Phosphine-Sulfonate Ligands in Palladium-Catalyzed Ethylene Polymerization: Effect of Ligand Structure on the Molecular Weight and Linearity of Polyethylene. <i>ACS Catalysis</i> , <b>2016</b> , 6, 6101-6113	13.1	63
255	Benzene-Fused Azacorannulene Bearing an Internal Nitrogen Atom. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 7364-7368	3.6	62
254	Stereospecific Synthesis of Hetero[7]helicenes by Pd-Catalyzed Double N-Arylation and Intramolecular O-Arylation. <i>Angewandte Chemie</i> , <b>2005</b> , 117, 7298-7300	3.6	62
253	Palladium Catalyzed Reaction of Silacyclobutanes with Acetylenes. <i>Bulletin of the Chemical Society of Japan</i> , <b>1991</b> , 64, 1461-1466	5.1	62
252	Enantioselective hydroformylation of olefins catalyzed by rhodium(I) complexes of chiral phosphine-phosphite ligands. <i>Topics in Catalysis</i> , <b>1997</b> , 4, 175-185	2.3	61
251	Ethylene/allyl monomer cooligomerization by nickel/phosphine-sulfonate catalysts. <i>Dalton Transactions</i> , <b>2012</b> , 41, 13807-9	4.3	60
250	Asymmetric hydroformylation of vinyl acetate by use of chiral bis(triarylphosphite)-rhodium(I) complexes. <i>Tetrahedron: Asymmetry</i> , <b>1992</b> , 3, 583-586		60
249	Palladium/IzQO-Catalyzed Coordination-Insertion Copolymerization of Ethylene and 1,1-Disubstituted Ethylenes Bearing a Polar Functional Group. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 1876-1883	16.4	58
248	Pd-catalyzed copolymerization of methyl acrylate with carbon monoxide: structures, properties and mechanistic aspects toward ligand design. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 6761-79	16.4	58
247	Asymmetric hydroformylation of allylic alcohols catalyzed by Rh(I)-(R,S)-BINAPHOS. <i>Tetrahedron Letters</i> , <b>1997</b> , 38, 4611-4614	2	58
246	Isoquinolino[4,3,2-de]phenanthridine: synthesis and its use in 1,3-dipolar cycloadditions to form nitrogen-containing polyaromatic hydrocarbons. <i>Chemical Communications</i> , <b>2015</b> , 51, 221-4	5.8	57
245	One-Pot Carboboration of Alkynes Using Lithium Borylcyanocuprate and the Subsequent Suzuki-Miyaura Cross-Coupling of the Resulting Tetrasubstituted Alkenylborane. <i>European Journal of Organic Chemistry</i> , <b>2011</b> , 2011, 3951-3958	3.2	57
244	Synthesis of N-Heterocyclic Carbene-Sulfonate Palladium Complexes. <i>Organometallics</i> , <b>2009</b> , 28, 6131-6134	3.34	56
243	B-Phospha[7]helicenes: Synthesis, Properties, and Columnar Aggregation with One-Way Chirality. <i>Angewandte Chemie</i> , <b>2012</b> , 124, 719-723	3.6	55
242	Synthesis of Highly Functionalized gamma-Butyrolactones from Activated Carbonyl Compounds and Dimethyl Acetylenedicarboxylate. <i>Journal of Organic Chemistry</i> , <b>1996</b> , 61, 4516-4519	4.2	55

- 241 A New Stereocontrolled Approach to 1beta-Methylcarbapenem: Asymmetric Hydroformylation of 4-Vinyl beta-Lactams Catalyzed by Rh(I) Complexes of Chiral Phosphine-Phosphites and Phosphine-Phosphinites. *Journal of Organic Chemistry*, **1996**, 61, 7658-7659 4.2 55
- 240 Palladium-Catalyzed Acylcyanation of Terminal Arylacetylenes. Synthesis of 1,3-Diaryl-3-cyano-2-propen-1-ones and Tetrasubstituted Furans. *Bulletin of the Chemical Society of Japan*, **1996**, 69, 1629-1637 5.1 55
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- 237 Et3B induced stereoselective radical addition of Ph3GeH to acetylenes and its application to isomerization of olefins. *Tetrahedron Letters*, **1987**, 28, 3709-3712 2 54
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- 235 Ligand-controlled insertion regioselectivity accelerates copolymerisation of ethylene with methyl acrylate by cationic bisphosphine monoxide-palladium catalysts. *Chemical Science*, **2016**, 7, 737-744 9.4 53
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- 228 A Hybrid of Corannulene and Azacorannulene: Synthesis of a Highly Curved Nitrogen-Containing Buckybowl. *Angewandte Chemie - International Edition*, **2018**, 57, 9818-9822 16.4 48
- 227 Copolymerisation of ethylene with polar monomers by using palladium catalysts bearing an N-heterocyclic carbene-phosphine oxide bidentate ligand. *Chemical Communications*, **2017**, 53, 2630-2633 5.8 47
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- 224 The Double N-Arylation of Primary Amines: Toward Multisubstituted Carbazoles with Unique Optical Properties. *Angewandte Chemie*, **2003**, 115, 2097-2099 3.6 45



223	Borylcyanocuprate in a One-Pot Carboboration by a Sequential Reaction with an Electron-Deficient Alkyne and an Organic Carbon Electrophile. <i>Angewandte Chemie</i> , <b>2011</b> , 123, 950-953	3.6	44
222	An efficient Pd(II)-based catalyst system for carboxylation of aromatic C-H bond by addition of a phosphonium salt. <i>Tetrahedron Letters</i> , <b>2005</b> , 46, 959-962	2	44
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220	Selective Synthesis of Primary Anilines from Cyclohexanone Oximes by the Concerted Catalysis of a Mg-Al Layered Double Hydroxide Supported Pd Catalyst. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 13821-13829	16.4	43
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94	Regio-controlled ring-opening polymerization of perfluoroalkyl-substituted epoxides. <i>Chemical Communications</i> , <b>2006</b> , 3334-6	5.8	13
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85	Synthesis of Optically Pure Helicene Metallocenes. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 2072-2076	3.6	10
84	Stepwise Reduction of Azapentabenzocorannulene. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 12235-12239	3.6	10
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80	Methylenation of Optically Active $\beta$ -Polyketones. <i>Polymer Journal</i> , <b>2002</b> , 34, 376-382	2.7	10



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78	Synthesis of carbonyl-bridged dibenzofulvalenes and related compounds by rhodium-catalyzed stitching reaction. <i>Chemical Communications</i> , <b>2019</b> , 55, 1072-1075	5.8	9
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64	Synthesis of unsymmetrically substituted triarylamines acceptorless dehydrogenative aromatization using a Pd/C and -toluenesulfonic acid hybrid relay catalyst. <i>Chemical Science</i> , <b>2020</b> , 11, 4074-4084	9.4	6
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