Koji Nakano

List of Publications by Year
in descending order

72 papers	4,301 citations	136950 32 h-index	106344 65 g-index
84 all docs	84 docs citations	84 times ranked	3187 citing authors

#	Article	IF	Citations
1	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. Angewandte Chemie - International Edition, 2006, 45, 7274-7277.	13.8	340
2	Optically Active Polycarbonates:â€‰ Asymmetric Alternating Copolymerization of Cyclohexene Oxide and Carbon Dioxide. Journal of the American Chemical Society, 1999, 121, 11008-11009.	13.7	226
3	Facile Synthetic Route to Highly Luminescent Sila[7]helicene. Organic Letters, 2013, 15, 2104-2107.	4.6	205
4	Stereospecific Synthesis of Hetero[7]helicenes by Pd-Catalyzed DoubleN-Arylation and IntramolecularO-Arylation. Angewandte Chemie - International Edition, 2005, 44, 7136-7138.	13.8	177
5	Asymmetric Alternating Copolymerization of Cyclohexene Oxide and CO2with Dimeric Zinc Complexes. Journal of the American Chemical Society, 2003, 125, 5501-5510.	13.7	174
6	Alternating Copolymerization of Cyclohexene Oxide with Carbon Dioxide Catalyzed by (salalen)CrCl Complexes. Macromolecules, 2009, 42, 6972-6980.	4.8	174
7	Stereocomplex of Poly(propylene carbonate): Synthesis of Stereogradient Poly(propylene carbonate) by Regioâ€•and Enantioselective Copolymerization of Propylene Oxide with Carbon Dioxide. Angewandte Chemie - International Edition, 2011, 50, 4868-4871.	13.8	170
8	The Double N-Arylation of Primary Amines: Toward Multisubstituted Carbazoles with Unique Optical Properties. Angewandte Chemie - International Edition, 2003, 42, 2051-2053.	13.8	168
9	Î»⁵â€Phospha[7]helicenes: Synthesis, Properties, and Columnar Aggregation with Oneâ€Way Chirality. Angewandte Chemie - International Edition, 2012, 51, 695-699.	13.8	164
10	Tetravalent Metal Complexes as a New Family of Catalysts for Copolymerization of Epoxides with Carbon Dioxide. Journal of the American Chemical Society, 2011, 133, 10720-10723.	13.7	161
11	Metal-catalyzed synthesis of stereoregular polyketones, polyesters, and polycarbonates. Dalton Transactions, 2003, , 4039-4050.	3.3	152
12	Bimetallic mechanism operating in the copolymerization of propylene oxide with carbon dioxide catalyzed by cobaltâ€“salen complexes. Chemical Science, 2010, 1, 369.	7.4	151
13	Synthesis of Ladder-Type Ï€-Conjugated Heteroacenes via Palladium-Catalyzed Double N-Arylation and Intramolecular O-Arylation. Journal of Organic Chemistry, 2007, 72, 5119-5128.	3.2	143
14	DoubleN-Arylation of Primary Amines:Â Carbazole Synthesis from 2,2â€˜-Biphenyldiols. Journal of Organic Chemistry, 2005, 70, 413-419.	3.2	136
15	Copolymerization of Epoxides with Carbon Dioxide Catalyzed by Ironâ€“Corrole Complexes: Synthesis of a Crystalline Copolymer. Journal of the American Chemical Society, 2013, 135, 8456-8459.	13.7	128
16	Highâ€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, 4488-4490.	13.8	126
17	Synthesis of Sulfur-Rich Polymers:â€‰ Copolymerization of Episulfide with Carbon Disulfide by Using [PPN]Cl/(salph)Cr(III)Cl System. Journal of the American Chemical Society, 2007, 129, 15116-15117.	13.7	121
18	Synthesis and Properties of [7]Helicene-like Compounds Fused with a Fluorene Unit. Organic Letters, 2016, 18, 3654-3657.	4.6	104

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19	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, 10728-10735.	13.7	103
20	Spectral Assignment of Poly[cyclohexene oxide-alt-carbon dioxide]. Macromolecules, 2001, 34, 6325-6332.	4.8	81
21	Ion-Conductive Properties of a Polymer Electrolyte Based on Ethylene Carbonate/Ethylene Oxide Random Copolymer. Macromolecular Rapid Communications, 2017, 38, 1600652.	3.9	61
22	Title is missing!. Angewandte Chemie, 2003, 115, 2097-2099.	2.0	55
23	Asymmetric amplification in asymmetric alternating copolymerization of cyclohexene oxide and carbon dioxide. Chemical Communications, 2005, , 1871.	4.1	47
24	Synthesis of Î±-Heteroarylpropanoic Acid via Asymmetric Hydroformylation Catalyzed by Rh(I)-(R,S)-BINAPHOS and the Subsequent Oxidation. Journal of Organic Chemistry, 2007, 72, 8671-8676.	3.2	39
25	Synthesis, Structures, and Properties of Unsymmetrical Heteroacenes Containing Both Pyrrole and Furan Rings. Organic Letters, 2008, 10, 1199-1202.	4.6	39
26	Circularly Polarized Luminescence from Chiral Spiro Molecules: Synthesis and Optical Properties of 10,10â€²-Spirobi(indeno[1,2-b][1]benzothiophene) Derivatives. Organic Letters, 2017, 19, 5082-5085.	4.6	38
27	Tandem Hydroformylationâ€“Hydrogenation of 1â€Decene Catalyzed by Rhâ€Bidentate Bis(trialkylphosphine)s. Chemistry - an Asian Journal, 2008, 3, 1722-1728.	3.3	36
28	Alternating Copolymerization of Fluoroalkenes with Carbon Monoxide. Journal of the American Chemical Society, 2006, 128, 1968-1975.	13.7	34
29	Synthesis of Benzofuro- and Indolo[3,2-b]indoles via Palladium-Catalyzed Double N-Arylation and Their Physical Properties. Journal of Organic Chemistry, 2015, 80, 11566-11572.	3.2	31
30	Synthesis and Properties of Benzophospholo[3,2-b]benzofuran Derivatives. Journal of Organic Chemistry, 2015, 80, 3790-3797.	3.2	28
31	[1]Benzothiophene-Fused Chiral Spiro Polycyclic Aromatic Compounds: Optical Resolution, Functionalization, and Optical Properties. Journal of Organic Chemistry, 2018, 83, 15057-15065.	3.2	28
32	Synthesis of a polyester macromonomer via the cobalt-catalyzed alternating copolymerization of propylene oxide and carbon monoxide. Journal of Polymer Science Part A, 2004, 42, 4666-4670.	2.3	24
33	New Class of Catalysts for Alternating Copolymerization of Alkylene Oxide and Carbon Dioxide. Chemistry Letters, 2010, 39, 1066-1068.	1.3	24
34	Asymmetric Hydroformylation of Vinylfurans Catalyzed by {(11bS)-4-{[(1R)-2â€²-Phosphino[1,1â€²-binaphthalen]-2-yl]oxy}dinaphtho[2,1-d:1â€²,2â€²-f]-[1,3,2]dioxaphosphepin}rhodium(I) [RhI{(R,S)-binaphos}] Derivatives. Helvetica Chimica Acta, 2006, 89, 1681-1686.	1.6	22
35	Regioregular Polymerization of Fluorine-Containing Epoxides. Macromolecules, 2007, 40, 6136-6142.	4.8	22
36	Pyrazole Supported Zinc(II) Benzoates as Catalysts for the Ring Opening Copolymerization of Cyclohexene Oxide and Carbon Dioxide. Catalysts, 2016, 6, 17.	3.5	22

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37	Carbonylative Polymerization of Oxetanes Initiated by Acetyl Cobalt Complexes. Chemistry - an Asian Journal, 2008, 3, 710-718.	3.3	21
38	Random copolymers of ethylene carbonate and ethylene oxide for Li-Ion conductive solid electrolytes. Electrochimica Acta, 2019, 312, 342-348.	5.2	19
39	Syntheses of dibenzo[d,d']benzo[2,1-b:3,4-b']difuran derivatives and their application to organic field-effect transistors. Beilstein Journal of Organic Chemistry, 2016, 12, 805-812.	2.2	18
40	Synthesis and properties of [7]helicene and [7]helicene-like compounds with a cyclopenta[1,2-b:4,3-bâ€²]dithiophene or dithieno[2,3-b:3â€²,2â€²-d]heterole skeleton. Physical Chemistry Chemical Physics, 2018, 20, 3286-3295.	2.8	18
41	Carbonylation of Epoxides. , 2006, , 223-238.		17
42	Regio-controlled ring-opening polymerization of perfluoroalkyl-substituted epoxides. Chemical Communications, 2006, , 3334.	4.1	16
43	Aromatic Metamorphosis of Thiophenes by Means of Desulfurative Dilithiation. Chemistry - A European Journal, 2021, 27, 4567-4572.	3.3	16
44	Efficient catalyst removal and recycling in copolymerization of epoxides with carbon dioxide via simple liquidâ€“liquid phase separation. Chemical Communications, 2013, 49, 9332.	4.1	15
45	Synthesis of Pyrrole-Containing Chiral Spiro Molecules and Their Optical and Chiroptical Properties. Bulletin of the Chemical Society of Japan, 2019, 92, 1008-1017.	3.2	15
46	Multinuclear cobalt-salen complexes with phenylene linker for epoxide polymerizations. Journal of Polymer Science Part A, 2017, 55, 2150-2159.	2.3	12
47	Syntheses and Properties of Ladder-type Ï€-Conjugated Compounds Containing a Benzo[2,1-b:3,4-bâ€²]dithiophene Skeleton. Bulletin of the Chemical Society of Japan, 2016, 89, 1034-1040.	3.2	11
48	Synthesis and Properties of Spiroâ€double Sila[7]helicene: The LUMO Spiroâ€conjugation. Chemistry - A European Journal, 2021, 27, 9342-9349.	3.3	11
49	Regioselective synthesis of halohydrin esters from epoxides: reaction with acyl halides and rhodium-catalyzed three-component coupling reaction with alkyl halides and carbon monoxide. Chemical Communications, 2009, , 6970.	4.1	10
50	Copolymerization of epoxides with cyclic anhydrides catalyzed by dinuclear cobalt complexes. Beilstein Journal of Organic Chemistry, 2018, 14, 2779-2788.	2.2	10
51	Model of neural visual system with self-organizing cells. Biological Cybernetics, 1989, 60, 195-202.	1.3	7
52	Self-organizing system obtaining communication ability. Biological Cybernetics, 1988, 58, 417-425.	1.3	6
53	Solvent-sensitive circularly polarized luminescent compounds bearing a 9,9â€²-spirobi[fluorene] skeleton. Organic and Biomolecular Chemistry, 2020, 18, 2866-2876.	2.8	6
54	Transformation of Thia[7]helicene to Aza[7]helicenes and [7]Helicene-like Compounds via Aromatic Metamorphosis. Molecules, 2022, 27, 606.	3.8	6

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55	Synthesis of Ï€-conjugated copolymer with dibenzo[d,dâ€²]benzo[1,2-b:4,5-bâ€²]difuran unit in the main chain. Synthetic Metals, 2009, 159, 939-942.	3.9	5
56	Block Copolymers of Aliphatic Polycarbonates: Combination of Immortal Epoxide/Carbon-dioxide Copolymerization and Atom Transfer Radical Polymerization of Vinyl Monomers. Chemistry Letters, 2018, 47, 580-583.	1.3	5
57	Synthesis of Ï€-extended oxacenes and their application to organic field-effect transistors. Organic Electronics, 2022, 100, 106335.	2.6	4
58	Dibenzo[d,dâ€²]benzo[2,1-b:3,4-bâ€²]difurans with extended Ï€-conjugated chains: synthetic approaches and properties. New Journal of Chemistry, 2022, 46, 1003-1017.	2.8	4
59	A learning machine that evolves. , 0, , .		3
60	Asymmetric Alternating Copolymerization of Cyclohexene Oxide and Carbon Dioxide. Kobunshi Ronbunshu, 2005, 62, 167-176.	0.2	3
61	Chiral Benzo[b]siloleâ€Fused 9,9â€²â€Spirobi[fluorene]: Synthesis, Chiroptical Properties, and Transformation to Ï€â€Extended Polycyclic Arene. ChemPlusChem, 2021, 86, 171-175.	2.8	2
62	Motor planning according to reliability of internal model. , 0, , .		1
63	An Alternative Route to Protected Aldols: Cobalt-Catalyzed HydroformylÂation of Epoxides and in situ Protection of Î²-Hydroxyaldehydes by HC(OMe)3. Synlett, 2004, 2004, 1367-1370.	1.8	1
64	Polymerization of Epoxides. , 2007, , 595-621.		1
65	Dinuclear Co-Salcy Complexes with a Dibenzofuran Linker for Copolymerizations of Epoxides with Cyclic Anhydrides or Carbon Dioxide. Chemistry Letters, 2019, 48, 479-482.	1.3	1
66	Polycarbonate-block-polycycloalkenes via epoxide/carbon dioxide copolymerization and ring-opening metathesis polymerization. Polymer Journal, 2021, 53, 203-208.	2.7	1
67	Estimate the source structure through communication. , 0, , .		0
68	The Double N-Arylation of Primary Amines: Toward Multisubstituted Carbazoles with Unique Optical Properties.. ChemInform, 2003, 34, no.	0.0	0
69	Double N-Arylation of Primary Amines: Carbazole Synthesis from 2,2â€²-Biphenyldiols.. ChemInform, 2005, 36, no.	0.0	0
70	Titelbild: High-Yielding Tandem Hydroformylation/Hydrogenation of a Terminal Olefin to Produce a Linear Alcohol Using a Rh/Ru Dual Catalyst System (Angew. Chem. 26/2010). Angewandte Chemie, 2010, 122, 4411-4411.	2.0	0
71	Cover Picture: High-Yielding Tandem Hydroformylation/Hydrogenation of a Terminal Olefin to Produce a Linear Alcohol Using a Rh/Ru Dual Catalyst System (Angew. Chem. Int. Ed. 26/2010). Angewandte Chemie - International Edition, 2010, 49, 4315-4315.	13.8	0
72	Higher-Order Ï€-Electron Systems Based on Helicene Molecules. , 2015, , 37-46.		0