

Koji Nakano

List of Publications by Citations

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72
papers

3,677
citations

30
h-index

60
g-index

84
ext. papers

4,000
ext. citations

6.6
avg, IF

5.41
L-index

#	Paper	IF	Citations
72	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> , 2006 , 45, 7274-7	16.4	299
71	Facile synthetic route to highly luminescent sila[7]helicene. <i>Organic Letters</i> , 2013 , 15, 2104-7	6.2	184
70	Optically Active Polycarbonates: Asymmetric Alternating Copolymerization of Cyclohexene Oxide and Carbon Dioxide. <i>Journal of the American Chemical Society</i> , 1999 , 121, 11008-11009	16.4	183
69	Stereospecific synthesis of hetero[7]helicenes by Pd-catalyzed double N-arylation and intramolecular O-arylation. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 7136-8	16.4	163
68	Alternating Copolymerization of Cyclohexene Oxide with Carbon Dioxide Catalyzed by (salen)CrCl Complexes. <i>Macromolecules</i> , 2009 , 42, 6972-6980	5.5	156
67	The double N-arylation of primary amines: toward multisubstituted carbazoles with unique optical properties. <i>Angewandte Chemie - International Edition</i> , 2003 , 42, 2051-3	16.4	153
66	Asymmetric alternating copolymerization of cyclohexene oxide and CO ₂ with dimeric zinc complexes. <i>Journal of the American Chemical Society</i> , 2003 , 125, 5501-10	16.4	152
65	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> , 2011 , 50, 4868-71	16.4	149
64	β-Phospha[7]helicenes: synthesis, properties, and columnar aggregation with one-way chirality. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 695-9	16.4	144
63	Metal-catalyzed synthesis of stereoregular polyketones, polyesters, and polycarbonates. <i>Dalton Transactions</i> , 2003 , 4039-4050	4.3	143
62	Tetravalent metal complexes as a new family of catalysts for copolymerization of epoxides with carbon dioxide. <i>Journal of the American Chemical Society</i> , 2011 , 133, 10720-3	16.4	139
61	Bimetallic mechanism operating in the copolymerization of propylene oxide with carbon dioxide catalyzed by cobalt(salen) complexes. <i>Chemical Science</i> , 2010 , 1, 369	9.4	136
60	Synthesis of ladder-type π-conjugated heteroacenes via palladium-catalyzed double N-arylation and intramolecular O-arylation. <i>Journal of Organic Chemistry</i> , 2007 , 72, 5119-28	4.2	134
59	Double N-arylation of primary amines: carbazole synthesis from 2,2'-biphenyldiols. <i>Journal of Organic Chemistry</i> , 2005 , 70, 413-9	4.2	130
58	Copolymerization of epoxides with carbon dioxide catalyzed by iron-corrole complexes: synthesis of a crystalline copolymer. <i>Journal of the American Chemical Society</i> , 2013 , 135, 8456-9	16.4	109
57	High-yielding tandem hydroformylation/hydrogenation of a terminal olefin to produce a linear alcohol using a Rh/Ru dual catalyst system. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 4488-90	16.4	108
56	Synthesis of sulfur-rich polymers: copolymerization of episulfide with carbon disulfide by using [PPN]Cl/(salph)Cr(III)Cl system. <i>Journal of the American Chemical Society</i> , 2007 , 129, 15116-7	16.4	87

55	Synthesis and Properties of [7]Helicene-like Compounds Fused with a Fluorene Unit. <i>Organic Letters</i> , 2016 , 18, 3654-7	6.2	84
54	Facile estimation of catalytic activity and selectivities in copolymerization of propylene oxide with carbon dioxide mediated by metal complexes with planar tetradentate ligand. <i>Journal of the American Chemical Society</i> , 2014 , 136, 10728-35	16.4	82
53	Spectral Assignment of Poly[cyclohexene oxide-alt-carbon dioxide]. <i>Macromolecules</i> , 2001 , 34, 6325-6333	3.5	71
52	Stereospecific Synthesis of Hetero[7]helicenes by Pd-Catalyzed Double N-Arylation and Intramolecular O-Arylation. <i>Angewandte Chemie</i> , 2005 , 117, 7298-7300	3.6	62
51	β-Phospha[7]helicenes: Synthesis, Properties, and Columnar Aggregation with One-Way Chirality. <i>Angewandte Chemie</i> , 2012 , 124, 719-723	3.6	55
50	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</i> , 2006 , 118, 7432-7435	3.6	54
49	High-Yielding Tandem Hydroformylation/Hydrogenation of a Terminal Olefin to Produce a Linear Alcohol Using a Rh/Ru Dual Catalyst System. <i>Angewandte Chemie</i> , 2010 , 122, 4590-4592	3.6	53
48	Ion-Conductive Properties of a Polymer Electrolyte Based on Ethylene Carbonate/Ethylene Oxide Random Copolymer. <i>Macromolecular Rapid Communications</i> , 2017 , 38, 1600652	4.8	45
47	The Double N-Arylation of Primary Amines: Toward Multisubstituted Carbazoles with Unique Optical Properties. <i>Angewandte Chemie</i> , 2003 , 115, 2097-2099	3.6	45
46	Asymmetric amplification in asymmetric alternating copolymerization of cyclohexene oxide and carbon dioxide. <i>Chemical Communications</i> , 2005 , 1871-3	5.8	40
45	Synthesis, structures, and properties of unsymmetrical heteroacenes containing both pyrrole and furan rings. <i>Organic Letters</i> , 2008 , 10, 1199-202	6.2	38
44	Synthesis of alpha-heteroarylpropanoic acid via asymmetric hydroformylation catalyzed by Rh(I)-(R,S)-BINAPHOS and the subsequent oxidation. <i>Journal of Organic Chemistry</i> , 2007 , 72, 8671-6	4.2	31
43	Alternating copolymerization of fluoroalkenes with carbon monoxide. <i>Journal of the American Chemical Society</i> , 2006 , 128, 1968-75	16.4	31
42	Circularly Polarized Luminescence from Chiral Spiro Molecules: Synthesis and Optical Properties of 10,10'-Spirobi(indeno[1,2-b][1]benzothiophene) Derivatives. <i>Organic Letters</i> , 2017 , 19, 5082-5085	6.2	30
41	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</i> , 2011 , 123, 4970-4973	3.6	30
40	Synthesis of Benzofuro- and Indolo[3,2-b]indoles via Palladium-Catalyzed Double N-Arylation and Their Physical Properties. <i>Journal of Organic Chemistry</i> , 2015 , 80, 11566-72	4.2	28
39	Tandem hydroformylation-hydrogenation of 1-decene catalyzed by Rh-bidentate bis(trialkylphosphine)s. <i>Chemistry - an Asian Journal</i> , 2008 , 3, 1722-8	4.5	28
38	Synthesis and properties of benzophospholo[3,2-b]benzofuran derivatives. <i>Journal of Organic Chemistry</i> , 2015 , 80, 3790-7	4.2	23

37	Synthesis of a polyester macromonomer via the cobalt-catalyzed alternating copolymerization of propylene oxide and carbon monoxide. <i>Journal of Polymer Science Part A</i> , 2004 , 42, 4666-4670	2.5	21
36	New Class of Catalysts for Alternating Copolymerization of Alkylene Oxide and Carbon Dioxide. <i>Chemistry Letters</i> , 2010 , 39, 1066-1068	1.7	19
35	Asymmetric Hydroformylation of Vinylfurans Catalyzed by $\{(11bS)-4-[(1R)-2\text{-Phosphino}[1,1\text{-binaphthalen}]-2\text{-yl}]\text{oxy}]\text{dinaphtho}[2,1\text{-d}:1\text{-d}':2\text{-f}']\text{-}[1,3,2]\text{dioxaphosphepin}\}\text{rhodium(I)}$ $[\text{Rh}\{\{(\text{R,S})\text{-binaphos}\}\}]$ Derivatives. <i>Helvetica Chimica Acta</i> , 2006 , 89, 1681-1686	2	19
34	Pyrazole Supported Zinc(II) Benzoates as Catalysts for the Ring Opening Copolymerization of Cyclohexene Oxide and Carbon Dioxide. <i>Catalysts</i> , 2016 , 6, 17	4	18
33	[1]Benzothiophene-Fused Chiral Spiro Polycyclic Aromatic Compounds: Optical Resolution, Functionalization, and Optical Properties. <i>Journal of Organic Chemistry</i> , 2018 , 83, 15057-15065	4.2	18
32	Regioregular Polymerization of Fluorine-Containing Epoxides. <i>Macromolecules</i> , 2007 , 40, 6136-6142	5.5	17
31	Synthesis of Pyrrole-Containing Chiral Spiro Molecules and Their Optical and Chiroptical Properties. <i>Bulletin of the Chemical Society of Japan</i> , 2019 , 92, 1008-1017	5.1	13
30	Carbonylative polymerization of oxetanes initiated by acetyl cobalt complexes. <i>Chemistry - an Asian Journal</i> , 2008 , 3, 710-8	4.5	13
29	Regio-controlled ring-opening polymerization of perfluoroalkyl-substituted epoxides. <i>Chemical Communications</i> , 2006 , 3334-6	5.8	13
28	Efficient catalyst removal and recycling in copolymerization of epoxides with carbon dioxide via simple liquid-liquid phase separation. <i>Chemical Communications</i> , 2013 , 49, 9332-4	5.8	12
27	Carbonylation of Epoxides 2006 , 223-238		12
26	Syntheses of dibenzo[<i>d,h</i>]benzo[2,1- <i>b</i> :3,4- <i>b'</i>]difuran derivatives and their application to organic field-effect transistors. <i>Beilstein Journal of Organic Chemistry</i> , 2016 , 12, 805-12	2.5	12
25	Synthesis and properties of [7]helicene and [7]helicene-like compounds with a cyclopenta[1,2- <i>b</i> :4,3- <i>b'</i>]dithiophene or dithieno[2,3- <i>b</i> :3',2'- <i>b'</i>]heterole skeleton. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 3286-3295	3.6	11
24	Multinuclear cobalt[Salen] complexes with phenylene linker for epoxide polymerizations. <i>Journal of Polymer Science Part A</i> , 2017 , 55, 2150-2159	2.5	10
23	Random copolymers of ethylene carbonate and ethylene oxide for Li-Ion conductive solid electrolytes. <i>Electrochimica Acta</i> , 2019 , 312, 342-348	6.7	9
22	Regioselective synthesis of halohydrin esters from epoxides: reaction with acyl halides and rhodium-catalyzed three-component coupling reaction with alkyl halides and carbon monoxide. <i>Chemical Communications</i> , 2009 , 6970-2	5.8	8
21	Syntheses and Properties of Ladder-type π -Conjugated Compounds Containing a Benzo[2,1- <i>b</i> :3,4- <i>b'</i>]dithiophene Skeleton. <i>Bulletin of the Chemical Society of Japan</i> , 2016 , 89, 1034-1040	5.1	8
20	Aromatic Metamorphosis of Thiophenes by Means of Desulfurative Dilithiation. <i>Chemistry - A European Journal</i> , 2021 , 27, 4567-4572	4.8	7

19	Synthesis of π -conjugated copolymer with dibenzo[d,d']benzo[1,2-b:4,5-b']difuran unit in the main chain. <i>Synthetic Metals</i> , 2009 , 159, 939-942	3.6	5
18	Solvent-sensitive circularly polarized luminescent compounds bearing a 9,9'-spirobi[fluorene] skeleton. <i>Organic and Biomolecular Chemistry</i> , 2020 , 18, 2866-2876	3.9	4
17	Block Copolymers of Aliphatic Polycarbonates: Combination of Immortal Epoxide/Carbon-dioxide Copolymerization and Atom Transfer Radical Polymerization of Vinyl Monomers. <i>Chemistry Letters</i> , 2018 , 47, 580-583	1.7	4
16	Self-organizing system obtaining communication ability. Primitive model for language generation. <i>Biological Cybernetics</i> , 1988 , 58, 417-25	2.8	4
15	Copolymerization of epoxides with cyclic anhydrides catalyzed by dinuclear cobalt complexes. <i>Beilstein Journal of Organic Chemistry</i> , 2018 , 14, 2779-2788	2.5	4
14	Model of neural visual system with self-organizing cells. <i>Biological Cybernetics</i> , 1989 , 60, 195-202	2.8	3
13	Synthesis and Properties of Spiro-double Sila[7]helicene: The LUMO Spiro-conjugation. <i>Chemistry - A European Journal</i> , 2021 , 27, 9342-9349	4.8	3
12	Asymmetric Alternating Copolymerization of Cyclohexene Oxide and Carbon Dioxide. <i>Kobunshi Ronbunshu</i> , 2005 , 62, 167-176	0	2
11	Dinuclear Co-Salicy Complexes with a Dibenzofuran Linker for Copolymerizations of Epoxides with Cyclic Anhydrides or Carbon Dioxide. <i>Chemistry Letters</i> , 2019 , 48, 479-482	1.7	1
10	Polymerization of Epoxides 2007 , 595-621		1
9	Dibenzo[d,d']benzo[2,1-b:3,4-b']difurans with extended π -conjugated chains: synthetic approaches and properties. <i>New Journal of Chemistry</i> , 2022 , 46, 1003-1017	3.6	1
8	Transformation of Thia[7]helicene to Aza[7]helicenes and [7]Helicene-like Compounds via Aromatic Metamorphosis.. <i>Molecules</i> , 2022 , 27,	4.8	1
7	Synthesis of π -extended oxacenes and their application to organic field-effect transistors. <i>Organic Electronics</i> , 2021 , 106335	3.5	1
6	Chiral Benzo[b]silole-Fused 9,9'-spirobi[fluorene]: Synthesis, Chiroptical Properties, and Transformation to π -Extended Polycyclic Arene. <i>ChemPlusChem</i> , 2021 , 86, 171-175	2.8	1
5	Polycarbonate-block-polycycloalkenes via epoxide/carbon dioxide copolymerization and ring-opening metathesis polymerization. <i>Polymer Journal</i> , 2021 , 53, 203-208	2.7	0
4	Higher-Order π -Electron Systems Based on Helicene Molecules 2015 , 37-46		
3	Synthesis of Carbazoles and Related Compounds via C \equiv E Bond-Forming Coupling Reactions 2013 , 617-644		
2	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). <i>Angewandte Chemie</i> , 2010 , 122, 4411-4411	3.6	

- 1 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 16.4