

Koji Nakano

List of Publications by Year in descending order

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72
papers

4,301
citations

136950

32
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106344

65
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84
all docs

84
docs citations

84
times ranked

3187
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis of π -extended oxacenes and their application to organic field-effect transistors. <i>Organic Electronics</i> , 2022, 100, 106335.	2.6	4
2	Dibenzo[<i>b</i> , <i>d</i>]benzo[2,1- <i>b</i> :3,4- <i>b'</i>]difurans with extended π -conjugated chains: synthetic approaches and properties. <i>New Journal of Chemistry</i> , 2022, 46, 1003-1017.	2.8	4
3	Transformation of Thia[7]helicene to Aza[7]helicenes and [7]Helicene-like Compounds via Aromatic Metamorphosis. <i>Molecules</i> , 2022, 27, 606.	3.8	6
4	Polycarbonate-block-polycycloalkenes via epoxide/carbon dioxide copolymerization and ring-opening metathesis polymerization. <i>Polymer Journal</i> , 2021, 53, 203-208.	2.7	1
5	Aromatic Metamorphosis of Thiophenes by Means of Desulfurative Dilithiation. <i>Chemistry - A European Journal</i> , 2021, 27, 4567-4572.	3.3	16
6	Synthesis and Properties of Spiro[6.6]double Sila[7]helicene: The LUMO Spiro-conjugation. <i>Chemistry - A European Journal</i> , 2021, 27, 9342-9349.	3.3	11
7	Chiral Benzo[<i>b</i>]silole-Fused 9,9'-Spiro[fluorene]: Synthesis, Chiroptical Properties, and Transformation to π -Extended Polycyclic Arene. <i>ChemPlusChem</i> , 2021, 86, 171-175.	2.8	2
8	Solvent-sensitive circularly polarized luminescent compounds bearing a 9,9'-spiro[fluorene] skeleton. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 2866-2876.	2.8	6
9	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.	3.2	15
10	Random copolymers of ethylene carbonate and ethylene oxide for Li-Ion conductive solid electrolytes. <i>Electrochimica Acta</i> , 2019, 312, 342-348.	5.2	19
11	Dinuclear Co-Salcy Complexes with a Dibenzofuran Linker for Copolymerizations of Epoxides with Cyclic Anhydrides or Carbon Dioxide. <i>Chemistry Letters</i> , 2019, 48, 479-482.	1.3	1
12	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.	1.3	5
13	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- <i>b'</i>]heterole skeleton. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 3286-3295.	2.8	18
14	Copolymerization of epoxides with cyclic anhydrides catalyzed by dinuclear cobalt complexes. <i>Beilstein Journal of Organic Chemistry</i> , 2018, 14, 2779-2788.	2.2	10
15	[1]Benzothiophene-Fused Chiral Spiro Polycyclic Aromatic Compounds: Optical Resolution, Functionalization, and Optical Properties. <i>Journal of Organic Chemistry</i> , 2018, 83, 15057-15065.	3.2	28
16	Ion-Conductive Properties of a Polymer Electrolyte Based on Ethylene Carbonate/Ethylene Oxide Random Copolymer. <i>Macromolecular Rapid Communications</i> , 2017, 38, 1600652.	3.9	61
17	Multinuclear cobalt-salen complexes with phenylene linker for epoxide polymerizations. <i>Journal of Polymer Science Part A</i> , 2017, 55, 2150-2159.	2.3	12
18	Circularly Polarized Luminescence from Chiral Spiro Molecules: Synthesis and Optical Properties of 10,10'-Spiro[indeno[1,2- <i>b</i>][1]benzothiophene] Derivatives. <i>Organic Letters</i> , 2017, 19, 5082-5085.	4.6	38

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19	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, 805-812.	2.2	18
20	Pyrazole Supported Zinc(II) Benzoates as Catalysts for the Ring Opening Copolymerization of Cyclohexene Oxide and Carbon Dioxide. <i>Catalysts</i> , 2016, 6, 17.	3.5	22
21	Synthesis and Properties of [7]Helicene-like Compounds Fused with a Fluorene Unit. <i>Organic Letters</i> , 2016, 18, 3654-3657.	4.6	104
22	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.	3.2	11
23	Synthesis and Properties of Benzophospholo[3,2- <i>b</i>]benzofuran Derivatives. <i>Journal of Organic Chemistry</i> , 2015, 80, 3790-3797.	3.2	28
24	Synthesis of Benzofuro- and Indolo[3,2- <i>b</i>]indoles via Palladium-Catalyzed Double <i>N</i> -Arylation and Their Physical Properties. <i>Journal of Organic Chemistry</i> , 2015, 80, 11566-11572.	3.2	31
25	Higher-Order π -Electron Systems Based on Helicene Molecules. , 2015, , 37-46.		0
26	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, 10728-10735.	13.7	103
27	Facile Synthetic Route to Highly Luminescent Sila[7]helicene. <i>Organic Letters</i> , 2013, 15, 2104-2107.	4.6	205
28	Copolymerization of Epoxides with Carbon Dioxide Catalyzed by Iron π -Corrole Complexes: Synthesis of a Crystalline Copolymer. <i>Journal of the American Chemical Society</i> , 2013, 135, 8456-8459.	13.7	128
29	Efficient catalyst removal and recycling in copolymerization of epoxides with carbon dioxide via simple liquid \rightarrow liquid phase separation. <i>Chemical Communications</i> , 2013, 49, 9332.	4.1	15
30	λ^5 -Phospha[7]helicenes: Synthesis, Properties, and Columnar Aggregation with One \rightarrow Way Chirality. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 695-699.	13.8	164
31	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, 10720-10723.	13.7	161
32	Stereocomplex of Poly(propylene carbonate): Synthesis of Stereogradient Poly(propylene carbonate) by Regio \rightarrow and Enantioselective Copolymerization of Propylene Oxide with Carbon Dioxide. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 4868-4871.	13.8	170
33	New Class of Catalysts for Alternating Copolymerization of Alkylene Oxide and Carbon Dioxide. <i>Chemistry Letters</i> , 2010, 39, 1066-1068.	1.3	24
34	Titelbild: High-Yielding Tandem Hydroformylation/Hydrogenation of a Terminal Olefin to Produce a Linear Alcohol Using a Rh/Ru Dual Catalyst System (<i>Angew. Chem.</i> 26/2010). <i>Angewandte Chemie</i> , 2010, 122, 4411-4411.	2.0	0
35	High \rightarrow 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, 4488-4490.	13.8	126
36	Cover Picture: High-Yielding Tandem Hydroformylation/Hydrogenation of a Terminal Olefin to Produce a Linear Alcohol Using a Rh/Ru Dual Catalyst System (<i>Angew. Chem. Int. Ed.</i> 26/2010). <i>Angewandte Chemie - International Edition</i> , 2010, 49, 4315-4315.	13.8	0

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37	Bimetallic mechanism operating in the copolymerization of propylene oxide with carbon dioxide catalyzed by cobalt-salen complexes. <i>Chemical Science</i> , 2010, 1, 369.	7.4	151
38	Alternating Copolymerization of Cyclohexene Oxide with Carbon Dioxide Catalyzed by (salalen)CrCl Complexes. <i>Macromolecules</i> , 2009, 42, 6972-6980.	4.8	174
39	Synthesis of π -conjugated copolymer with dibenzo[d,h]benzo[1,2-b:4,5-b']difuran unit in the main chain. <i>Synthetic Metals</i> , 2009, 159, 939-942.	3.9	5
40	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.	4.1	10
41	Carbonylative Polymerization of Oxetanes Initiated by Acetyl Cobalt Complexes. <i>Chemistry - an Asian Journal</i> , 2008, 3, 710-718.	3.3	21
42	Tandem Hydroformylation-Hydrogenation of 1-Decene Catalyzed by Rh-Bidentate Bis(trialkylphosphine)s. <i>Chemistry - an Asian Journal</i> , 2008, 3, 1722-1728.	3.3	36
43	Synthesis, Structures, and Properties of Unsymmetrical Heteroacenes Containing Both Pyrrole and Furan Rings. <i>Organic Letters</i> , 2008, 10, 1199-1202.	4.6	39
44	Synthesis of β -Heteroarylpropanoic Acid via Asymmetric Hydroformylation Catalyzed by Rh(I)-(R,S)-BINAPHOS and the Subsequent Oxidation. <i>Journal of Organic Chemistry</i> , 2007, 72, 8671-8676.	3.2	39
45	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, 15116-15117.	13.7	121
46	Regioregular Polymerization of Fluorine-Containing Epoxides. <i>Macromolecules</i> , 2007, 40, 6136-6142.	4.8	22
47	Polymerization of Epoxides. , 2007, , 595-621.		1
48	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, 5119-5128.	3.2	143
49	Regio-controlled ring-opening polymerization of perfluoroalkyl-substituted epoxides. <i>Chemical Communications</i> , 2006, , 3334.	4.1	16
50	Alternating Copolymerization of Fluoroalkenes with Carbon Monoxide. <i>Journal of the American Chemical Society</i> , 2006, 128, 1968-1975.	13.7	34
51	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, 7274-7277.	13.8	340
52	Asymmetric Hydroformylation of Vinylfurans Catalyzed by $\{(11bS)-4-[[[(1R)-2\text{-Phosphino}[1,1\text{-binaphthalen}]-2\text{-yl]oxy]dinaphtho}[2,1-d:1,2\text{-}f]-[1,3,2]\text{dioxaphosphepin}]\text{rhodium}(I) [Rh\{(R,S)\text{-binaphos}\}]\text{Derivatives}$. <i>Helvetica Chimica Acta</i> , 2006, 89, 1681-1686.	1.6	22
53	Carbonylation of Epoxides. , 2006, , 223-238.		17
54	Asymmetric Alternating Copolymerization of Cyclohexene Oxide and Carbon Dioxide. <i>Kobunshi Ronbunshu</i> , 2005, 62, 167-176.	0.2	3

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55	Stereospecific Synthesis of Hetero[7]helicenes by Pd-Catalyzed Double N-Arylation and Intramolecular O-Arylation. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 7136-7138.	13.8	177
56	Double N-Arylation of Primary Amines: Carbazole Synthesis from 2,2'-Biphenyldiols. <i>ChemInform</i> , 2005, 36, no.	0.0	0
57	Asymmetric amplification in asymmetric alternating copolymerization of cyclohexene oxide and carbon dioxide. <i>Chemical Communications</i> , 2005, , 1871.	4.1	47
58	Double N-Arylation of Primary Amines: Carbazole Synthesis from 2,2'-Biphenyldiols. <i>Journal of Organic Chemistry</i> , 2005, 70, 413-419.	3.2	136
59	An Alternative Route to Protected Aldols: Cobalt-Catalyzed Hydroformylation of Epoxides and in situ Protection of β -Hydroxyaldehydes by HC(OMe) ₃ . <i>Synlett</i> , 2004, 2004, 1367-1370.	1.8	1
60	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.	2.3	24
61	Title is missing!. <i>Angewandte Chemie</i> , 2003, 115, 2097-2099.	2.0	55
62	The Double N-Arylation of Primary Amines: Toward Multisubstituted Carbazoles with Unique Optical Properties. <i>ChemInform</i> , 2003, 34, no.	0.0	0
63	The Double N-Arylation of Primary Amines: Toward Multisubstituted Carbazoles with Unique Optical Properties. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 2051-2053.	13.8	168
64	Asymmetric Alternating Copolymerization of Cyclohexene Oxide and CO ₂ with Dimeric Zinc Complexes. <i>Journal of the American Chemical Society</i> , 2003, 125, 5501-5510.	13.7	174
65	Metal-catalyzed synthesis of stereoregular polyketones, polyesters, and polycarbonates. <i>Dalton Transactions</i> , 2003, , 4039-4050.	3.3	152
66	Spectral Assignment of Poly[cyclohexene oxide-alt-carbon dioxide]. <i>Macromolecules</i> , 2001, 34, 6325-6332.	4.8	81
67	Optically Active Polycarbonates: Asymmetric Alternating Copolymerization of Cyclohexene Oxide and Carbon Dioxide. <i>Journal of the American Chemical Society</i> , 1999, 121, 11008-11009.	13.7	226
68	Model of neural visual system with self-organizing cells. <i>Biological Cybernetics</i> , 1989, 60, 195-202.	1.3	7
69	Self-organizing system obtaining communication ability. <i>Biological Cybernetics</i> , 1988, 58, 417-425.	1.3	6
70	Motor planning according to reliability of internal model. , 0, , .		1
71	Estimate the source structure through communication. , 0, , .		0
72	A learning machine that evolves. , 0, , .		3