

Shingo Ito

List of Publications by Year in descending order

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docs citations

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#	ARTICLE	IF	CITATIONS
1	2 or 3 Things I Know about Chemistry. Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry, 2022, 80, 66-68.	0.0	0
2	Synthesis of a π -Extended Azacorannulenophane Enabled by Strain-Induced 1,3-Dipolar Cycloaddition. Angewandte Chemie - International Edition, 2022, 61, .	7.2	17
3	Fully conjugated azacorannulene dimer as large diaza[80]fullerene fragment. Nature Communications, 2022, 13, 1498.	5.8	16
4	Regio- and Stereoselective Synthesis of Enol Carboxylate, Phosphate, and Sulfonate Esters via Iodo(III)functionalization of Alkynes. Organic Letters, 2022, 24, 430-434.	2.4	7
5	Diazapentabenzocorannulenium: A Hydrophilic/Biophilic Cationic Buckybowl. Angewandte Chemie, 2022, 134, .	1.6	10
6	Diazapentabenzocorannulenium: A Hydrophilic/Biophilic Cationic Buckybowl. Angewandte Chemie - International Edition, 2022, 61, .	7.2	26
7	1,3-Dipolar cycloaddition of azomethine ylides and imidoyl halides for synthesis of π -extended imidazolium salts. Organic Chemistry Frontiers, 2022, 9, 4128-4134.	2.3	5
8	Iron-catalysed enantioselective carbometalation of azabicycloalkenes. Chemical Communications, 2021, 57, 6975-6978.	2.2	5
9	Ritter-type iodoamidation of unactivated alkynes for the stereoselective synthesis of multisubstituted enamides. Chemical Science, 2021, 12, 15128-15133.	3.7	17
10	Synthesis of π -Extended Imidazoles by 1,3-Dipolar Cycloaddition of Polycyclic Aromatic Azomethine Ylides with Nitriles. Organic Letters, 2020, 22, 6132-6137.	2.4	15
11	On-Surface Synthesis of a π -Extended Diaza[8]circulene. Journal of the American Chemical Society, 2020, 142, 11363-11369.	6.6	34
12	An Endergonic Synthesis of Single Sondheimer-Wong Diyne by Local Probe Chemistry. Angewandte Chemie - International Edition, 2020, 59, 10842-10847.	7.2	27
13	An Endergonic Synthesis of Single Sondheimer-Wong Diyne by Local Probe Chemistry. Angewandte Chemie, 2020, 132, 10934-10939.	1.6	1
14	Stepwise Reduction of Azapentabenzocorannulene. Angewandte Chemie - International Edition, 2019, 58, 12107-12111.	7.2	35
15	Titelbild: Stepwise Reduction of Azapentabenzocorannulene (Angew. Chem. 35/2019). Angewandte Chemie, 2019, 131, 12051-12051.	1.6	0
16	The Rapid Synthesis of π -Extended Azacorannulenes. Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry, 2019, 77, 1128-1135.	0.0	4
17	Stepwise Reduction of Azapentabenzocorannulene. Angewandte Chemie, 2019, 131, 12235-12239.	1.6	14
18	Palladium complexes bearing an N -heterocyclic carbene-sulfonamide ligand for cooligomerization of ethylene and polar monomers. Journal of Polymer Science Part A, 2019, 57, 474-477.	2.5	22

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19	Palladium-Catalyzed Homo- and Copolymerization of Polar Monomers: Synthesis of Aliphatic and Aromatic Polymers. <i>Bulletin of the Chemical Society of Japan</i> , 2018, 91, 251-261.	2.0	47
20	Methylene-Bridged Bisphosphine Monoxide Ligands for Palladium-Catalyzed Copolymerization of Ethylene and Polar Monomers. <i>ACS Macro Letters</i> , 2018, 7, 305-311.	2.3	65
21	Nickel-Catalyzed Propylene/Polar Monomer Copolymerization. <i>ACS Macro Letters</i> , 2018, 7, 213-217.	2.3	55
22	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> , 2018, 140, 1876-1883.	6.6	74
23	Effect of the backbone structure of bidentate ligands in palladium- and nickel-catalyzed polar monomer copolymerization. <i>Science China Chemistry</i> , 2018, 61, 1349-1350.	4.2	5
24	Functionalization of Azapentabenzocorannulenes by Fivefold C-H Borylation and Cross-Coupling Arylation: Application to Columnar Liquid-Crystalline Materials. <i>Chemistry - A European Journal</i> , 2018, 24, 14075-14078.	1.7	31
25	Synthesis and Reactivity of Methylpalladium Complexes Bearing a Partially Saturated IzQO Ligand. <i>Organometallics</i> , 2018, 37, 2286-2296.	1.1	22
26	A Hybrid of Corannulene and Azacorannulene: Synthesis of a Highly Curved Nitrogen-Containing Buckybowl. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 9818-9822.	7.2	77
27	A Hybrid of Corannulene and Azacorannulene: Synthesis of a Highly Curved Nitrogen-Containing Buckybowl. <i>Angewandte Chemie</i> , 2018, 130, 9966-9970.	1.6	33
28	Copolymerisation of ethylene with polar monomers by using palladium catalysts bearing an N-heterocyclic carbene-phosphine oxide bidentate ligand. <i>Chemical Communications</i> , 2017, 53, 2630-2633.	2.2	61
29	Synthesis of Pyrrole-Fused Corannulenes: 1,3-Dipolar Cycloaddition of Azomethine Ylides to Corannulene. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 15560-15564.	7.2	59
30	Synthesis of Pyrrole-Fused Corannulenes: 1,3-Dipolar Cycloaddition of Azomethine Ylides to Corannulene. <i>Angewandte Chemie</i> , 2017, 129, 15766-15770.	1.6	20
31	Competing Annulene and Radialene Structures in a Single Anti-Aromatic Molecule Studied by High-Resolution Atomic Force Microscopy. <i>ACS Nano</i> , 2017, 11, 8122-8130.	7.3	64
32	Selective synthesis of unsymmetric dibenzo[a,e]pentalenes by a rhodium-catalysed stitching reaction. <i>Chemical Science</i> , 2017, 8, 101-107.	3.7	43
33	Copolymerization of Ethylene and Polar Monomers by Using Ni/IzQO Catalysts. <i>Angewandte Chemie</i> , 2016, 128, 2885-2889.	1.6	30
34	Crystalline Isotactic Polar Polypropylene from the Palladium-Catalyzed Copolymerization of Propylene and Polar Monomers. <i>Angewandte Chemie</i> , 2016, 128, 7631-7635.	1.6	41
35	Crystalline Isotactic Polar Polypropylene from the Palladium-Catalyzed Copolymerization of Propylene and Polar Monomers. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 7505-7509.	7.2	95
36	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> , 2016, 6, 6101-6113.	5.5	75

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37	Copolymerization of Ethylene and Polar Monomers by Using Ni/IzQO Catalysts. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 2835-2839.	7.2	120
38	Chain-growth polymerization enabling formation/introduction of arylene groups into polymer main chains. <i>Polymer Journal</i> , 2016, 48, 667-677.	1.3	6
39	Ligand-controlled insertion regioselectivity accelerates copolymerisation of ethylene with methyl acrylate by cationic bisphosphine monoxide palladium catalysts. <i>Chemical Science</i> , 2016, 7, 737-744.	3.7	63
40	Frontispiz: Benzene-Fused Azacorannulene Bearing an Internal Nitrogen Atom. <i>Angewandte Chemie</i> , 2015, 127, n/a-n/a.	1.6	0
41	Frontispiece: Benzene-Fused Azacorannulene Bearing an Internal Nitrogen Atom. <i>Angewandte Chemie - International Edition</i> , 2015, 54, n/a-n/a.	7.2	0
42	Iron-catalysed homo- and copolymerisation of propylene: steric influence of bis(imino)pyridine ligands. <i>Dalton Transactions</i> , 2015, 44, 20745-20752.	1.6	23
43	Formal aryne/ethylene copolymerization to form polyethylene containing o-arylene units in the main chain. <i>Polymer Journal</i> , 2015, 47, 474-480.	1.3	6
44	Formal Aryne/Carbon Monoxide Copolymerization To Form Aromatic Polyketones/Polyketals. <i>Macromolecules</i> , 2015, 48, 1959-1962.	2.2	13
45	Benzene-Fused Azacorannulene Bearing an Internal Nitrogen Atom. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 7256-7260.	7.2	174
46	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> , 2015, 51, 221-224.	2.2	68
47	Finite element analysis of a ferrite-core inductor with direct current bias current using an equivalent-circuit model of dynamic hysteretic properties. <i>Journal of Applied Physics</i> , 2014, 115, 17A330.	1.1	2
48	Copolymerization of carbon dioxide and butadiene via a lactone intermediate. <i>Nature Chemistry</i> , 2014, 6, 325-331.	6.6	138
49	Formal Aryne Polymerization: Use of [2.2.1]Oxabicyclic Alkenes as Aryne Equivalents. <i>Journal of the American Chemical Society</i> , 2014, 136, 7547-7550.	6.6	43
50	Quantification of the Steric Influence of Alkylphosphine-Sulfonate Ligands on Polymerization, Leading to High-Molecular-Weight Copolymers of Ethylene and Polar Monomers. <i>Journal of the American Chemical Society</i> , 2014, 136, 11898-11901.	6.6	141
51	Friedel-Crafts functionalization of the cyclopentadienyl ligand in buckymetalloenes. <i>Dalton Transactions</i> , 2014, 43, 7407.	1.6	6
52	Equivalent Circuit Modeling of DC and AC Ferrite Magnetic Properties Using H-Input and B-Input Play Models. <i>IEEE Transactions on Magnetics</i> , 2013, 49, 1985-1988.	1.2	5
53	Development of new ion beam monitor system using conductive mesh. , 2013, , .		0
54	Direct Aldol Polymerization of Acetaldehyde with Organocatalyst/Brønsted Acid Systems. <i>Asian Journal of Organic Chemistry</i> , 2013, 2, 977-982.	1.3	12

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55	Ethylene/allyl monomer copolymerization by nickel/phosphine-sulfonate catalysts. Dalton Transactions, 2012, 41, 13807.	1.6	68
56	Chiral Phosphine-Sulfonate/Palladium-Catalyzed Asymmetric Copolymerization of Vinyl Acetate with Carbon Monoxide. Journal of the American Chemical Society, 2012, 134, 12366-12369.	6.6	49
57	Ping-pong polymerization by allylation and hydroformylation for alternating vinyl alcohol-vinyl monomer copolymers. Chemical Communications, 2012, 48, 10481.	2.2	6
58	Alkene/CO Copolymerization. , 2012, , 825-842.		5
59	Low-frequency Magnetic Fluctuation Measurement during Magnetic Reconnection in Counter-helicity Plasma Merging Experiment. IEEJ Transactions on Fundamentals and Materials, 2012, 132, 233-238.	0.2	2
60	Ethylene Polymerization by Palladium/Phosphine-Sulfonate Catalysts in the Presence and Absence of Protic Solvents: Structural and Mechanistic Differences. Organometallics, 2011, 30, 6049-6052.	1.1	15
61	Pd-Catalyzed Copolymerization of Methyl Acrylate with Carbon Monoxide: Structures, Properties and Mechanistic Aspects toward Ligand Design. Journal of the American Chemical Society, 2011, 133, 6761-6779.	6.6	63
62	Coordination-Insertion Copolymerization of Allyl Monomers with Ethylene. Journal of the American Chemical Society, 2011, 133, 1232-1235.	6.6	124
63	Vinylarene/CO Copolymerization and Vinylarene/Polar Vinyl Monomer/CO Terpolymerization Using Palladium/Phosphine-Sulfonate Catalysts. Chemistry - an Asian Journal, 2011, 6, 690-697.	1.7	26
64	Diastereoselective Carbometalation of Oxa- and Azabicyclic Alkenes under Iron Catalysis. Angewandte Chemie - International Edition, 2011, 50, 454-457.	7.2	80
65	MHD Simulation of Dynamic Divertor by Plasmoid Ejection. IEEJ Transactions on Fundamentals and Materials, 2011, 131, 963-964.	0.2	1
66	Coordination-insertion copolymerization of polar vinyl monomers by palladium catalysts. Chemical Record, 2010, 10, 315-325.	2.9	70
67	Iron-Catalyzed Cross-Coupling of Alkyl Sulfonates with Arylzinc Reagents. Organic Letters, 2009, 11, 4306-4309.	2.4	92
68	Coordination-Insertion Copolymerization of Fundamental Polar Monomers. Chemical Reviews, 2009, 109, 5215-5244.	23.0	780
69	Copolymerization of Vinyl Acetate with Ethylene by Palladium/Alkylphosphine-Sulfonate Catalysts. Journal of the American Chemical Society, 2009, 131, 14606-14607.	6.6	198
70	Iron-catalysed fluoroaromatic coupling reactions under catalytic modulation with 1,2-bis(diphenylphosphino)benzene. Chemical Communications, 2009, , 1216.	2.2	94
71	Carbon-Carbon Bond Forming Reactions by Direct Use of Simple Alcohols. Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry, 2007, 65, 618-619.	0.0	1
72	Regioselective α -alkylation of ketones with alkyl chlorides and fluorides via highly nucleophilic magnesium enamides. Tetrahedron, 2007, 63, 8440-8448.	1.0	12

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73	Iron-Catalyzed Chemoselective Cross-Coupling of Primary and Secondary Alkyl Halides with Arylzinc Reagents.. ChemInform, 2005, 36, no.	0.1	0
74	Iron-Catalyzed Chemoselective Cross-Coupling of Primary and Secondary Alkyl Halides with Arylzinc Reagents. Synlett, 2005, 2005, 1794-1798.	1.0	159
75	Alkylation of Magnesium Enamide with Alkyl Chlorides and Fluorides. Journal of the American Chemical Society, 2005, 127, 14192-14193.	6.6	44
76	Iron-Catalyzed Cross-Coupling of Primary and Secondary Alkyl Halides with Aryl Grignard Reagents. Journal of the American Chemical Society, 2004, 126, 3686-3687.	6.6	493
77	Iron-Catalyzed Cross-Coupling of Primary and Secondary Alkyl Halides with Aryl Grignard Reagents.. ChemInform, 2004, 35, no.	0.1	0
78	Synthesis and Reactivity of Bucky Ruthenocene Ru(η^5 -C ₆ Me ₅)(η^5 -C ₅ H ₅). Chemistry Letters, 2004, 33, 68-69.	0.7	54
79	Structural Basis for the ADP-Specificity of a Novel Glucokinase from a Hyperthermophilic Archaeon. Structure, 2001, 9, 205-214.	1.6	98
80	Dynamics of the Reorientation of a Ferroelectric Liquid Crystal Under an Electric Field Studied by Time-Resolved Optical Waveguide Spectroscopy. Molecular Crystals and Liquid Crystals, 1997, 308, 001-026.	0.3	0
81	Surface plasmon and guided optical wave microscopies. Scanning, 1994, 16, 353-362.	0.7	27
82	Surface plasmon and guided optical wave microscopies. Scanning, 1994, 16, 353-361.	0.7	9
83	High sensitive photopolymers containing dibenz[b,f]azepine group. Journal of Polymer Science, Part C: Polymer Letters, 1987, 25, 223-227.	0.7	3
84	SPECIFIC PHOTOCOUPLING OF 5-BROMOURIDINE TO TRYPTOPHAN IN AQUEOUS FROZEN SOLUTION. Photochemistry and Photobiology, 1981, 33, 15-19.	1.3	18
85	Synthesis of an Extended Azacorannulenophane Enabled by Strain-Induced 1,3-Dipolar Cycloaddition. Angewandte Chemie, 0, , .	1.6	6