Michinori Suginome

List of Publications by Citations

141 papers	6,811 citations	49 h-index	78 g-index
144 ext. papers	7,479 ext. citations	7.8 avg, IF	6.31 L-index

#	Paper	IF	Citations
141	Stereospecific Suzuki-Miyaura coupling of chiral α-(acylamino)benzylboronic esters with inversion of configuration. *Journal of the American Chemical Society*, **2010**, 132, 13191-3	16.4	220
140	High-molecular-weight polyquinoxaline-based helically chiral phosphine (PQXphos) as chirality-switchable, reusable, and highly enantioselective monodentate ligand in catalytic asymmetric hydrosilylation of styrenes. *Journal of the American Chemical Society*, **2010**, 132, 7899-901	16.4	216
139	Silylboranes as New Tools in Organic Synthesis. *Bulletin of the Chemical Society of Japan*, **2009**, 82, 29-49	5.1	199
138	Highly enantioselective synthesis of axially chiral biarylphosphonates: asymmetric Suzuki-Miyaura coupling using high-molecular-weight, helically chiral polyquinoxaline-based phosphines. *Angewandte Chemie - International Edition*, **2011**, 50, 8844-7	16.4	187
137	Easily attachable and detachable ortho-directing agent for arylboronic acids in ruthenium-catalyzed aromatic C-H silylation. *Journal of the American Chemical Society*, **2009**, 131, 7502-3	16.4	178
136	Differentially protected benzenediboronic acids: divalent cross-coupling modules for the efficient synthesis of boron-substituted oligoarenes. *Organic Letters*, **2008**, 10, 377-80	6.2	175
135	Nickel-catalyzed addition of alkynylboranes to alkynes. *Journal of the American Chemical Society*, **2006**, 128, 14438-9	16.4	172
134	Convenient Preparation of Silylboranes. *Organometallics*, **2000**, 19, 4647-4649	3.8	164
133	Helical poly(quinoxaline-2,3-diyl)s bearing metal-binding sites as polymer-based chiral ligands for asymmetric catalysis. *Angewandte Chemie - International Edition*, **2009**, 48, 539-42	16.4	163
132	Palladium- and nickel-catalyzed intramolecular cyanoboration of alkynes. *Journal of the American Chemical Society*, **2003**, 125, 6358-9	16.4	163
131	Inversion or retention? Effects of acidic additives on the stereochemical course in enantiospecific Suzuki-Miyaura coupling of α-(acetylamino)benzylboronic esters. *Journal of the American Chemical Society*, **2011**, 133, 20738-41	16.4	154
130	Palladium-catalyzed addition of cyanoboranes to alkynes: regio- and stereoselective synthesis of alpha,beta-unsaturated beta-boryl nitriles. *Angewandte Chemie - International Edition*, **2005**, 44, 2380-2	16.4	148
129	Regio- and stereo-selective silaboration of alkynes catalysed by palladium and platinum complexes. *Chemical Communications*, **1996**, 2777	5.8	132
128	Asymmetric Synthesis of Helical Poly(quinoxaline-2,3-diyl)s by Palladium-Mediated Polymerization of 1,2-Diisocyanobenzenes: Effective Control of the Screw-Sense by a Binaphthyl Group at the Chain-End. *Journal of the American Chemical Society*, **1998**, 120, 11880-11893	16.4	117
127	Palladium-catalyzed asymmetric silaboration of allenes. *Journal of the American Chemical Society*, **2006**, 128, 13682-3	16.4	115
126	Enhanced catalyst activity and enantioselectivity with chirality-switchable polymer ligand PQXphos in Pd-catalyzed asymmetric silaborative cleavage of meso-methylenecyclopropanes. *Journal of the American Chemical Society*, **2012**, 134, 11092-5	16.4	113
125	Solvent-dependent switch of helical main-chain chirality in sergeants-and-soldiers-type poly(quinoxaline-2,3-diyl)s: effect of the position and structures of the "sergeant" chiral units on the screw-sense induction. *Journal of the American Chemical Society*, **2013**, 135, 10104-13	16.4	110

124	Palladium-catalyzed asymmetric silaborative C-C cleavage of meso-methylenecyclopropanes. *Journal of the American Chemical Society*, **2007**, 129, 3518-9	16.4	100
123	Catalytic carboborations. *Chemical Record*, **2010**, 10, 348-58	6.6	96
122	Highly Screw-Sense Selective Polymerization of 1,2-Diisocyano-3,6-di-p-tolylbenzene Initiated by Optically Active Binaphthylpalladium(II) Complexes. *Journal of the American Chemical Society*, **1996**, 118, 9188-9189	16.4	92
121	Switch of regioselectivity in palladium-catalyzed silaboration of terminal alkynes by ligand-dependent control of reductive elimination. *Journal of the American Chemical Society*, **2010**, 132, 12194-6	16.4	90
120	Chirality-switchable circularly polarized luminescence in solution based on the solvent-dependent helix inversion of poly(quinoxaline-2,3-diyl)s. *Chemical Communications*, **2014**, 50, 9951-3	5.8	87
119	Palladium-catalyzed regioselective silaboration of pyridines leading to the synthesis of silylated dihydropyridines. *Journal of the American Chemical Society*, **2011**, 133, 7324-7	16.4	86
118	Solid polymer films exhibiting handedness-switchable, full-color-tunable selective reflection of circularly polarized light. *Journal of the American Chemical Society*, **2014**, 136, 9858-61	16.4	84
117	Non-hydrogen-bonding-based, solvent-dependent helix inversion between pure P-helix and pure M-helix in poly(quinoxaline-2,3-diyl)s bearing chiral side chains. *Chemical Communications*, **2010**, 46, 4914-6	5.8	81
116	Enantioface-selective palladium-catalyzed silaboration of allenes via double asymmetric induction. *Journal of the American Chemical Society*, **2003**, 125, 11174-5	16.4	81
115	Chiral palladacycle catalysts generated on a single-handed helical polymer skeleton for asymmetric arylative ring opening of 1,4-epoxy-1,4-dihydronaphthalene. *Angewandte Chemie - International Edition*, **2014**, 53, 12785-8	16.4	76
114	Aminoboranes as "compatible" iminium ion generators in aminative C-C bond formations. *Journal of the American Chemical Society*, **2004**, 126, 13196-7	16.4	76
113	Platinum-Catalyzed Regioselective Silaboration of Alkenes. *Angewandte Chemie International Edition in English*, **1997**, 36, 2516-2518		75
112	Regio- and stereoselective synthesis of (Z)-β-silylalkenylboranes by silaboration of alkynes catalyzed by palladium and platinum complexes. *Tetrahedron*, **1999**, 55, 8787-8800	2.4	75
111	Catalytic functionalization of methyl group on silicon: iridium-catalyzed C(sp3)-H borylation of methylchlorosilanes. *Journal of the American Chemical Society*, **2012**, 134, 17416-9	16.4	74
110	New Access to 2,3-Disubstituted Quinolines through Cyclization of o-Alkynylisocyanobenzenes. *Organic Letters*, **1999**, 1, 1977-1979	6.2	72
109	Majority-Rules-Type Helical Poly(quinoxaline-2,3-diyl)s as Highly Efficient Chirality-Amplification Systems for Asymmetric Catalysis. *Angewandte Chemie - International Edition*, **2015**, 54, 9333-7	16.4	69
108	Anthranilamide: a simple, removable ortho-directing modifier for arylboronic acids serving also as a protecting group in cross-coupling reactions. *Organic Letters*, **2011**, 13, 2662-5	6.2	69
107	Poly(quinoxaline-2,3-diyl)s bearing (S)-3-octyloxymethyl side chains as an efficient amplifier of alkane solvent effect leading to switch of main-chain helical chirality. *Journal of the American Chemical Society*, **2014**, 136, 15901-4	16.4	68

106	Catalytic asymmetric synthesis using chirality-switchable helical polymer as a chiral ligand. *Pure and Applied Chemistry*, **2012**, 84, 1759-1769	2.1	67
105	Silylboranes bearing dialkylamino groups on silicon as silylene equivalents: palladium-catalyzed regioselective synthesis of 2,4-disubstituted siloles. *Journal of the American Chemical Society*, **2008**, 130, 1526-7	16.4	67
104	Single-Handed Helical Poly(quinoxaline-2,3-diyl)s Bearing Achiral 4-Aminopyrid-3-yl Pendants as Highly Enantioselective, Reusable Chiral Nucleophilic Organocatalysts in the Steglich Reaction. *Journal of the American Chemical Society*, **2017**, 139, 2557-2560	16.4	66
103	Palladium-catalyzed regioselective silaboration of 1,2-dienes. *Journal of Organometallic Chemistry*, **2000**, 611, 403-413	2.3	62
102	Poly(quinoxaline-2,3-diyl) as a Multifunctional Chiral Scaffold for Circularly Polarized Luminescent Materials: Color Tuning, Energy Transfer, and Switching of the CPL Handedness. *ACS Macro Letters*, **2017**, 6, 431-435	6.6	61
101	Synthesis of Silylboronic Esters Functionalized on Silicon. *Organometallics*, **2007**, 26, 1291-1294	3.8	60
100	Exerting control over the helical chirality in the main chain of sergeants-and-soldiers-type poly(quinoxaline-2,3-diyl)s by changing from random to block copolymerization protocols. *Journal of the American Chemical Society*, **2015**, 137, 4070-3	16.4	59
99	Palladium-catalysed cis- and trans-silaboration of terminal alkynes: complementary access to stereo-defined trisubstituted alkenes. *Chemical Communications*, **2008**, 1416-8	5.8	59
98	Palladium-catalyzed silylene-1,3-diene [4 + 1] cycloaddition with use of (aminosilyl)boronic esters as synthetic equivalents of silylene. *Journal of the American Chemical Society*, **2009**, 131, 16624-5	16.4	55
97	Synthesis of 1-borylisoindoles via palladium-catalyzed dehydrogenation/C-H borylation of isoindolines. *Journal of the American Chemical Society*, **2009**, 131, 6070-1	16.4	55
96	Dearomatizing conversion of pyrazines to 1,4-dihydropyrazine derivatives via transition-metal-free diboration, silaboration, and hydroboration. *Chemical Communications*, **2012**, 48, 8571-3	5.8	54
95	Palladium-catalyzed, stereoselective, cyclizative alkenylboration of carbon-carbon double bonds through activation of a boron-chlorine bond. *Journal of the American Chemical Society*, **2011**, 133, 4758-61	16.4	53
94	Highly effective, easily accessible screw-sense-determining end group in the asymmetric polymerization of 1,2-diisocyanobenzenes. *Organic Letters*, **2002**, 4, 351-4	6.2	53
93	Highly Regioselective Silaboration of 3-Substituted 1,2-Dienes Catalyzed by Palladium/2,6-Xylyl Isocyanide. *Synlett*, **1999**, 1999, 1567-1568	2.2	53
92	Solvent Effect on the Sergeants-and-Soldiers Effect Leading to Bidirectional Induction of Single-Handed Helical Sense of Poly(quinoxaline-2,3-diyl)s Copolymers in Aromatic Solvents. *ACS Macro Letters*, **2016**, 5, 519-522	6.6	49
91	A Mechanism for the Palladium-Catalyzed Regioselective Silaboration of Allene: A Theoretical Study. *Organometallics*, **2008**, 27, 1736-1742	3.8	47
90	Highly Enantioselective Synthesis of Axially Chiral Biarylphosphonates: Asymmetric Suzuki–Miyaura Coupling Using High-Molecular-Weight, Helically Chiral Polyquinoxaline-Based Phosphines. *Angewandte Chemie*, **2011**, 123, 9006-9009	3.6	46
89	Nickel-Catalyzed Silaboration of Small-Ring Vinylcycloalkanes: Regio- and Stereoselective (E)-Allylsilane Formation via C–C Bond Cleavage. *Organometallics*, **2002**, 21, 1537-1539	3.8	45

88	Chirality-Amplifying, Dynamic Induction of Single-Handed Helix by Chiral Guests to Macromolecular Chiral Catalysts Bearing Boronyl Pendants as Receptor Sites. *Journal of the American Chemical Society*, **2018**, 140, 3867-3870	16.4	44
87	Asymmetric Catalysis in Chiral Solvents: Chirality Transfer with Amplification of Homochirality through a Helical Macromolecular Scaffold. *ACS Central Science*, **2019**, 5, 1235-1240	16.8	44
86	Organocatalytic diboration involving "reductive addition" of a boron-boron □bond to 4,4□bipyridine. *Journal of the American Chemical Society*, **2015**, 137, 2852-5	16.4	44
85	Ruthenium-catalyzed C□H Silylation of Methylboronic Acid Using a Removable □Directing Modifier on the Boron Atom. *Chemistry Letters*, **2011**, 40, 916-918	1.7	44
84	Asymmetric silaboration of terminal allenes bearing alpha-stereogenic centers: stereoselection based on "reagent control". *Organic Letters*, **2006**, 8, 2503-6	6.2	43
83	Synthesis of (Boryl)(silyl)iminomethanes by Insertion of Isonitriles into Silicon□Boron Bonds. *Organometallics*, **2000**, 19, 719-721	3.8	43
82	Ligand-controlled, complementary stereoselectivity in the platinum-catalyzed intramolecular silaboration of alkenes. *Journal of the American Chemical Society*, **2006**, 128, 13366-7	16.4	40
81	Stereoselective Cyclization of Highly Enantioenriched Allylsilanes with Aldehydes via Acetal Formation: New Asymmetric Access to Tetrahydropyrans and Piperidines. *Journal of Organic Chemistry*, **1998**, 63, 6096-6097	4.2	39
80	Ether solvent-induced chirality inversion of helical poly(quinoxaline-2,3-diyl)s containing L-lactic acid derived side chains. *Chemical Science*, **2014**, 5, 4953-4956	9.4	38
79	Bis(dialkylamino)cyanoboranes: highly efficient reagents for the Strecker-type aminative cyanation of aldehydes and ketones. *Chemical Communications*, **2002**, 1392-1393	5.8	37
78	Integrated catalytic C-H transformations for one-pot synthesis of 1-arylisoindoles from isoindolines via palladium-catalyzed dehydrogenation followed by C-H arylation. *Organic Letters*, **2011**, 13, 1238-41	6.2	36
77	Helical Poly(quinoxaline-2,3-diyl)s Bearing Metal-Binding Sites as Polymer-Based Chiral Ligands for Asymmetric Catalysis. *Angewandte Chemie*, **2009**, 121, 547-550	3.6	36
76	Synthesis and Reactions of Cyclic Silylboranes. *Bulletin of the Chemical Society of Japan*, **2005**, 78, 323-326	3.1	35
75	Three-Way-Switchable (Right/Left/OFF) Selective Reflection of Circularly Polarized Light on Solid Thin Films of Helical Polymer Blends. *Angewandte Chemie - International Edition*, **2016**, 55, 7126-30	16.4	34
74	Asymmetric Suzuki-Miyaura cross-coupling of 1-bromo-2-naphthoates using the helically chiral polymer ligand PQXphos. *Chemical Communications*, **2015**, 51, 7211-4	5.8	33
73	Functionalization of Tetraorganosilanes and Permethyloligosilanes at a Methyl Group on Silicon via Iridium-Catalyzed C(sp3)□H Borylation. *Organometallics*, **2013**, 32, 6170-6173	3.8	33
72	Non-Twisted Tetrakis(organosilyl)ethene. *Angewandte Chemie International Edition in English*, **1993**, 32, 1473-1475		33
71	Elucidating the Solvent Effect on the Switch of the Helicity of Poly(quinoxaline-2,3-diyl)s: A Conformational Analysis by Small-Angle Neutron Scattering. *Journal of the American Chemical Society*, **2018**, 140, 2722-2726	16.4	32

70	Synthesis of Helical Rod–Coil Multiblock Copolymers by Living Block Copolymerization of Isocyanide and 1,2-Diisocyanobenzene Using Arylnickel Initiators. *Macromolecules*, **2010**, 43, 3999-4002	5.5	32
69	α-Amidobenzylation of Aryl and Alkenyl Halides via Palladium-catalyzed Suzuki–Miyaura Coupling with α-(Acylamino)benzylboronic Esters. *Chemistry Letters*, **2009**, 38, 664-665	1.7	32
68	Anthranilamide-masked o-Iodoarylboronic Acids as Coupling Modules for Iterative Synthesis of ortho-Linked Oligoarenes. *Chemistry Letters*, **2013**, 42, 541-543	1.7	31
67	A new look at boron enolate chemistry: aminative C-C bond formation using diaminoboron enolate with aldehyde. *Organic Letters*, **2004**, 6, 1167-9	6.2	31
66	Asymmetric Synthesis of Helically Stable Poly(quinoxaline-2,3-diyl)s Having Hydrophilic and/or Hydrophobic Side Chains. *Macromolecules*, **1998**, 31, 1697-1699	5.5	31
65	Stereoselective synthesis of highly enantioenriched (E)-allylsilanes by palladium-catalyzed intramolecular bis-silylation: 1,3-chirality transfer and enantioenrichment via dimer formation. *Chemistry - A European Journal*, **2005**, 11, 2954-65	4.8	29
64	Iridium-catalysed borylation of sterically hindered C(sp³)-H bonds: remarkable rate acceleration by a catalytic amount of potassium tert-butoxide. *Chemical Communications*, **2014**, 50, 6333-6	5.8	28
63	Complementary Induction of Right- and Left-Handed Helical Structures by the Positioning of Chiral Groups on the Monomer Units: Introduction of (–)-Menthol as Side Chains of Poly(quinoxaline-2,3-diyl)s. *ACS Macro Letters*, **2013**, 2, 790-793	6.6	28
62	Dinuclear Palladium and Platinum Complexes with Bridging Silylene Ligands. Preparation Using (Aminosilyl)boronic Ester as the Ligand Precursor and Their Reactions with Alkynes. *Organometallics*, **2011**, 30, 3981-3991	3.8	28
61	Chirality-Switchable 2,2?-Bipyridine Ligands Attached to Helical Poly(quinoxaline-2,3-diyl)s for Copper-Catalyzed Asymmetric Cyclopropanation of Alkenes. *ACS Macro Letters*, **2017**, 6, 705-710	6.6	27
60	Poly(quinoxaline-2,3-diyl)s: A Fascinating Helical Macromolecular Scaffold for New Chiral Functions. *Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry*, **2015**, 73, 1141-1155	0.2	26
59	Asymmetric Cycloisomerization of o-Alkenyl-N-Methylanilines to Indolines by Iridium-Catalyzed C(sp)-H Addition to Carbon-Carbon Double Bonds. *Angewandte Chemie - International Edition*, **2017**, 56, 14272-14276	16.4	25
58	Site- and Regioselective Silaborative C–C Cleavage of 1-Alkyl-2-Methylenecyclopropanes Using a Platinum Catalyst with a Sterically Demanding Silylboronic Ester. *ACS Catalysis*, **2015**, 5, 3074-3077	13.1	25
57	Stereoselective construction oftrans-1,2-benzooxadecaline frameworks by three-component cascadereactions of an α-phenethyl-α-borylallylsilane withaldehydes. *Chemical Communications*, **2001**, 1090-1091	5.8	24
56	Aminoboranes as new iminium ion generators in amination reactions. *Pure and Applied Chemistry*, **2006**, 78, 1377-1387	2.1	23
55	Transition Metal-Catalyzed Element-Boryl Additions to Unsaturated Organic Compounds **2011**, 171-212		22
54	Regioselective Synthesis of o-Benzenediboronic Acids via Ir-Catalyzed o-C-H Borylation Directed by a Pyrazolylaniline-Modified Boronyl Group. *Organic Letters*, **2017**, 19, 886-889	6.2	21
53	Utilization of a Trimethylsilyl Group as a Synthetic Equivalent of a Hydroxyl Group via Chemoselective C(sp)-H Borylation at the Methyl Group on Silicon. *Journal of Organic Chemistry*, **2017**, 82, 2943-2956	4.2	20

52	Synthesis and Catalytic Applications of a Triptycene-Based Monophosphine Ligand for Palladium-Mediated Organic Transformations. *ACS Omega*, **2017**, 2, 1930-1937	3.9	20
51	2-Vinylindoles As the Four-Atom Component in a Catalytic [4+1] Cycloaddition with a Silylene-Palladium Species Generated from (Aminosilyl)boronic Ester. *Organometallics*, **2011**, 30, 1322-1325	3.8	20
50	4,4RBipyridyl-Catalyzed Reduction of Nitroarenes by Bis(neopentylglycolato)diboron. *Organic Letters*, **2019**, 21, 9812-9817	6.2	19
49	Iridium-Catalyzed Intramolecular Methoxy C-H Addition to Carbon-Carbon Triple Bonds: Direct Synthesis of 3-Substituted Benzofurans from o-Methoxyphenylalkynes. *Chemistry - A European Journal*, **2016**, 22, 10415-9	4.8	19
48	Chiral arylnickel complexes as highly active initiators for screw-sense selective living polymerization of 1,2-diisocyanobenzenes. *Journal of Polymer Science Part A*, **2010**, 48, 898-904	2.5	18
47	Chiral Palladacycle Catalysts Generated on a Single-Handed Helical Polymer Skeleton for Asymmetric Arylative Ring Opening of 1,4-Epoxy-1,4-dihydronaphthalene. *Angewandte Chemie*, **2014**, 126, 12999-13002	3.6	17
46	Cycloaddition-based formal C-H alkynylation of isoindoles leading to the synthesis of air-stable fluorescent 1,3-dialkynylisoindoles. *Organic Letters*, **2013**, 15, 3510-3	6.2	16
45	Palladium-catalyzed Carboboration: Borylative Coupling of Alkynes with Alkenes through Activation of Boron□hlorine Bonds. *Chemistry Letters*, **2013**, 42, 538-540	1.7	16
44	Abnormal sergeants-and-soldiers effects of poly(quinoxaline-2,3-diyl)s enabling discrimination of one-carbon homologous n-alkanes through a highly sensitive solvent-dependent helix inversion. *Chemical Communications*, **2018**, 54, 6867-6870	5.8	15
43	4,4?-Bipyridine-catalyzed Stereoselective trans-Diboration of Acetylenedicarboxylates to 2,3-Diborylfumarates. *Chemistry Letters*, **2017**, 46, 1793-1796	1.7	15
42	Enantiospecific Suzuki-Miyaura Coupling of Nonbenzylic □(Acylamino)alkylboronic Acid Derivatives. *Chemistry - an Asian Journal*, **2018**, 13, 2414-2417	4.5	14
41	Boryl-Directed, Ir-Catalyzed C(sp)-H Borylation of Alkylboronic Acids Leading to Site-Selective Synthesis of Polyborylalkanes. *Organic Letters*, **2019**, 21, 6235-6240	6.2	14
40	C□H Activation-Based Transformation of Naphthalenes to 3-Iodo-2-naphthylboronic Acid Derivatives for Use in Iterative Coupling Synthesis of Helical Oligo(naphthalene-2,3-diyl)s. *Bulletin of the Chemical Society of Japan*, **2017**, 90, 604-606	5.1	13
39	Catalytic Generation of Rhodium Silylenoid for Alkene-Alkyne-Silylene [2 + 2 + 1] Cycloaddition. *Organic Letters*, **2019**, 21, 1649-1653	6.2	13
38	A (Borylmethyl)silane Bearing Three Hydrolyzable Groups on Silicon: Synthesis via Iridium-Catalyzed C(sp3)□H Borylation and Conversion to Functionalized Siloxanes. *Organometallics*, **2016**, 35, 1601-1603	3.8	13
37	Main-Chain Stiffness and Helical Conformation of a Poly(quinoxaline-2,3-diyl) in Solution. *Macromolecules*, **2015**, 48, 7983-7989	5.5	13
36	Control of helical chirality of poly(quinoxaline-2,3-diyl)s based on postpolymerization modification of the terminal group by small chiral molecules. *Journal of Polymer Science Part A*, **2012**, 50, 1564-1571	2.5	12
35	Stereoinvertive C-C Bond Formation at the Boron-Bound Stereogenic Centers through Copper-Bipyridine-Catalyzed Intramolecular Coupling of □Aminobenzylboronic Esters. *Angewandte Chemie - International Edition*, **2020**, 59, 7251-7255	16.4	12

34	Synthesis and Solution Properties of a Rigid Helical Star Polymer: Three-Arm Star Poly(quinoxaline-2,3-diyl). *Macromolecules*, **2017**, 50, 7491-7497	5.5	11
33	Enantioconvergent Cu-Catalyzed Intramolecular C-C Coupling at Boron-Bound C(sp) Atoms of Aminoalkylboronates Using a -Symmetrical 2,2Bipyridyl Ligand Attached to a Helically Chiral Macromolecular Scaffold. *Journal of the American Chemical Society*, **2020**, 142, 18317-18323	16.4	11
32	Pyridine-Based Organocatalysts for Regioselective syn-1,2-Silaboration of Terminal Alkynes and Allenes. *Asian Journal of Organic Chemistry*, **2019**, 8, 1092-1096	3	10
31	Construction of Silicon-Containing Seven-Membered Rings by Catalytic [4 + 2 + 1] Cycloaddition through Rhodium Silylenoid. *Organic Letters*, **2020**, 22, 2961-2966	6.2	10
30	B(OMe)3 as a Nonacidic Iminium Ion Generator in Mannich- and Ugi-Type Reactions. *European Journal of Organic Chemistry*, **2009**, 2009, 1148-1151	3.2	10
29	Helical Poly(quinoxaline-2,3-diyl)s Bearing 1,2,3-Triazole Pendants: Synthesis by CuAAC and Use as Reusable Abnormal NHC Ligands in Gold Catalysis. *ChemCatChem*, **2019**, 11, 424-429	5.2	10
28	Iridium-Catalyzed C(sp3)H Addition of Methyl Ethers across Intramolecular CarbonCarbon Double Bonds Giving 2,3-Dihydrobenzofurans. *Advanced Synthesis and Catalysis*, **2019**, 361, 4448-4453	5.6	8
27	Synthesis of poly(quinoxaline-2,3-diyl)s with alkoxy side chains by aromatizing polymerization of 4,5-dialkoxy-substituted 1,2- diisocyanobenzenes. *Journal of Polymer Science Part A*, **2011**, 49, 4275-4282	2.5	8
26	Development of Boron-Based Reactions and Reagents for Organic Synthesis. *Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry*, **2007**, 65, 1048-1059	0.2	8
25	Palladium-Catalyzed Elimination of Aminoboranes from (Aminomethylsilyl)boranes Leading to the Formation of Silene Dimers. *Organometallics*, **2017**, 36, 4298-4304	3.8	7
24	Holding of planar chirality of pillar[5]arene by kinetic trapping using host-guest interactions with achiral guest solvents. *Chemical Communications*, **2020**, 56, 8424-8427	5.8	7
23	Oxidation of Silyl Enol Ethers and Related Enol Derivatives to Unsaturated Enones and Other Carbonyl Compounds2873-2879		7
22	Protected amino acids as a nonbonding source of chirality in induction of single-handed screw-sense to helical macromolecular catalysts. *Chemical Science*, **2021**, 12, 8811-8816	9.4	7
21	High-pressure circular dichroism spectroscopy up to 400 MPa using polycrystalline yttrium aluminum garnet (YAG) as pressure-resistant optical windows. *RSC Advances*, **2016**, 6, 109726-109729	3.7	6
20	A Planar-Chiral Pillar[5]arene-Based Monophosphine Ligand with Induced Chirality at the Biaryl Axis. *Synlett*, **2018**, 29, 2167-2170	2.2	5
19	Facile Preparation of Poly(quinoxaline-2,3-diyl)s via Aromatizing Polymerization of 1,2-Diisocyanobenzenes Using Phosphine Complexes of Nickel(II) Salts. *Chemistry Letters*, **2015**, 44, 53-55	1.7	5
18	LangmuirBlodgett films of helical rigid-rod poly(quinoxaline-2,3-diyl)s. *Polymer Journal*, **2010**, 42, 406-412	2.7	5
17	Rhodium-catalyzed C(sp2)H Addition of Arylboronic Acids to Alkynes Using a Boron-based, Convertible ortho-Directing Group. *Chemistry Letters*, **2017**, 46, 1169-1172	1.7	4

16	Asymmetric Cycloisomerization of o-Alkenyl-N-Methylanilines to Indolines by Iridium-Catalyzed C(sp3)H Addition to Carbon□Carbon Double Bonds. *Angewandte Chemie*, **2017**, 129, 14460-14464	3.6	4
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