

Miki Murata

List of Publications by Year in descending order

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3571
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#	ARTICLE	IF	CITATIONS
1	Palladium(0)-Catalyzed Cross-Coupling Reaction of Alkoxydiboron with Haloarenes: A Direct Procedure for Arylboronic Esters. <i>Journal of Organic Chemistry</i> , 1995, 60, 7508-7510.	3.2	1,411
2	A general and efficient method for the palladium-catalyzed cross-coupling of thiols and secondary phosphines. <i>Tetrahedron</i> , 2004, 60, 7397-7403.	1.9	395
3	Palladium-Catalyzed Borylation of Aryl Halides or Triflates with Dialkoxyborane: A Novel and Facile Synthetic Route to Arylboronates. <i>Journal of Organic Chemistry</i> , 2000, 65, 164-168.	3.2	359
4	Platinum(0)-Catalyzed Diboration of Alkynes with Tetrakis(alkoxy)diborons: An Efficient and Convenient Approach to <i>cis</i> -Bis(boryl)alkenes. <i>Organometallics</i> , 1996, 15, 713-720.	2.3	313
5	Novel Palladium(0)-Catalyzed Coupling Reaction of Dialkoxyborane with Aryl Halides: A Convenient Synthetic Route to Arylboronates. <i>Journal of Organic Chemistry</i> , 1997, 62, 6458-6459.	3.2	297
6	Rhodium(I)-Catalyzed Silylation of Aryl Halides with Triethoxysilane: A Practical Synthetic Route to Aryltriethoxysilanes. <i>Organic Letters</i> , 2002, 4, 1843-1845.	4.6	123
7	Synthesis of Arylsilanes via Palladium(0)-Catalyzed Silylation of Aryl Halides with Hydrosilane. <i>Journal of Organic Chemistry</i> , 1997, 62, 8569-8571.	3.2	117
8	Platinum-catalyzed Aromatic C-H Silylation of Arenes with 1,1,1,3,5,5,5-Heptamethyltrisiloxane. <i>Chemistry Letters</i> , 2007, 36, 910-911.	1.3	94
9	Rhodium-catalyzed dehydrogenative coupling reaction of vinylarenes with pinacolborane to vinylboronates. <i>Tetrahedron Letters</i> , 1999, 40, 2585-2588.	1.4	84
10	An Efficient Catalyst System for Palladium-Catalyzed Borylation of Aryl Halides with Pinacolborane. <i>Synlett</i> , 2006, 2006, 1867-1870.	1.8	84
11	Rhodium- and Ruthenium-Catalyzed Dehydrogenative Borylation of Vinylarenes with Pinacolborane: Stereoselective Synthesis of Vinylboronates. <i>Bulletin of the Chemical Society of Japan</i> , 2002, 75, 825-829.	3.2	80
12	Synthesis of ketones from iodoalkenes, carbon monoxide and 9-alkyl-9-borabicyclo[3.3.1]nonane derivatives via a radical cyclization and palladium-catalyzed carbonylative cross-coupling sequence. <i>Journal of the Chemical Society Chemical Communications</i> , 1995, , 295.	2.0	74
13	BIS(PINACOLATO)DIBORON. <i>Organic Syntheses</i> , 2000, 77, 176.	1.0	58
14	Synthesis of Alkenylboronates via Palladium-Catalyzed Borylation of Alkenyl Triflates (or Iodides) with Pinacolborane. <i>Synthesis</i> , 2000, 2000, 778-780.	2.3	53
15	Regio- and stereoselective synthesis of allylboranes via platinum(0)-catalyzed borylation of allyl halides with pinacolborane. <i>Tetrahedron Letters</i> , 2000, 41, 5877-5880.	1.4	51
16	Synthesis of aryltriethoxysilanes via rhodium(I)-catalyzed cross-coupling of aryl electrophiles with triethoxysilane. <i>Tetrahedron</i> , 2007, 63, 4087-4094.	1.9	50
17	Ruthenium-catalyzed Ortho-selective Aromatic C-H Silylation: Acceptorless Dehydrogenative Coupling of Hydrosilanes. <i>Chemistry Letters</i> , 2012, 41, 374-376.	1.3	49
18	Rhodium(I)-Catalyzed 1,2- and 1,4-Addition of Aryltriethoxysilanes to Carbonyl Compounds under Aqueous Basic Conditions. <i>Synthesis</i> , 2002, 2002, 717-719.	2.3	46

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19	Synthesis of alkenylsilanes via palladium(0)-catalyzed silylation of alkenyl iodides with hydrosilane. <i>Tetrahedron Letters</i> , 1999, 40, 9255-9257.	1.4	45
20	Transition-Metal-Catalyzed Borylation of Organic Halides with Hydroboranes. <i>Heterocycles</i> , 2012, 85, 1795.	0.7	44
21	Palladium(0)-Catalyzed Silylation of Aryl Halides with Triorganosilanes: Synthesis of Aryl(2-furyl)silanes. <i>Synthesis</i> , 2006, 2006, 1771-1774.	2.3	39
22	Palladium-Catalyzed Cross-Coupling Reaction of Aryltriethoxysilanes with Aryl Bromides under Basic Aqueous Conditions. <i>Synthesis</i> , 2001, 2001, 2231-2233.	2.3	32
23	Ruthenium-Catalyzed <i>ortho</i> -Selective Aromatic C-H Borylation of 2-Arylpyridines with Pinacolborane. <i>ChemCatChem</i> , 2015, 7, 1531-1534.	3.7	30
24	Electrolytic Oxidation of Ketones in Ammoniacal Methanol in the Presence of Catalytic Amounts of KI. <i>Journal of Organic Chemistry</i> , 1995, 60, 6764-6770.	3.2	29
25	Palladium- or Nickel-Catalyzed Coupling Reaction of Dialkoxyboranes with Chloroarenes: Arylation of 1,3,2-Dioxaborolanes or 1,3,2-Dioxaborinanes. <i>Heterocycles</i> , 2010, 80, 213.	0.7	28
26	Preparation of core-shell polystyrene-polyimide particles by dispersion polymerization of styrene using poly(amic acid) as a stabilizer. <i>Macromolecular Rapid Communications</i> , 2000, 21, 1323-1326.	3.9	27
27	SYNTHESIS OF BENZYLBORONATES VIA PALLADIUM-CATALYZED BORYLATION OF BENZYL HALIDES WITH PINACOLBORANE. <i>Synthetic Communications</i> , 2002, 32, 2513-2517.	2.1	26
28	Stereoselective synthesis of enol acetates by the reaction of alkenylboronates with (diacetoxyiodo)benzene and sodium iodide. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1998, , 1465-1466.	0.9	25
29	Site-Selective Aliphatic C-H Silylation of 2-Alkylloxazolines Catalyzed by Ruthenium Complexes. <i>ChemCatChem</i> , 2016, 8, 2202-2205.	3.7	25
30	An Efficient Catalyst System for Palladium(0)-Catalyzed Cross-Coupling of Aryltrialkoxysilanes with Aryl Halides. <i>Synlett</i> , 2006, 2006, 0118-0120.	1.8	21
31	Silylation of Aryl Iodides with 1,1,1,3,5,5,5-Heptamethyltrisiloxane Catalyzed by Transition-Metal Complexes. <i>Synlett</i> , 2007, 2007, 1387-1390.	1.8	21
32	Synthesis of Organosilatrane via Rhodium(I)-Catalyzed Silylation of Organic Iodides with Hydrosilatrane. <i>Synthesis</i> , 2007, 2007, 2944-2946.	2.3	21
33	Ruthenium-Catalyzed Dehydrogenative Aromatic C-H Silylation of Benzamides with Hydrosilanes. <i>Advanced Synthesis and Catalysis</i> , 2015, 357, 2229-2232.	4.3	21
34	4,4,6-Trimethyl-1,3,2-dioxaborinane: A Practical Reagent for Palladium-Catalyzed Borylation of Aryl Halides. <i>Synthesis</i> , 2007, 2007, 351-354.	2.3	20
35	Formation of (<i>η</i> -allyl)boronates via ruthenium-catalysed hydroboration of propargyl ethers with pinacolborane. <i>Journal of Chemical Research</i> , 2002, 2002, 142-143.	1.3	19
36	Synthesis of Dibenzosiloles via Platinum-catalyzed Intramolecular Dehydrogenative Cyclization of 2-(Dialkylsilyl)biaryls. <i>Chemistry Letters</i> , 2016, 45, 857-859.	1.3	17

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37	Synthesis and characterization of new aromatic polyesters and a polyether derived from 2,2-bis(4-hydroxyphenyl)-1,2-diphenylethanone. <i>Journal of Polymer Science Part A</i> , 1998, 36, 2229-2235.	2.3	16
38	Aromatic C-H Borylation Catalyzed by Hydrotris(pyrazolyl)borate Complexes of Rhodium and Iridium. <i>Bulletin of the Chemical Society of Japan</i> , 2006, 79, 1980-1982.	3.2	16
39	Palladium-catalyzed Borylation of Aryl Arenesulfonates with Dialkoxyboranes. <i>Chemistry Letters</i> , 2011, 40, 962-963.	1.3	16
40	Utilization of the Japanese Peppermint Herbal Water Byproduct of Steam Distillation as an Antimicrobial Agent. <i>Journal of Oleo Science</i> , 2018, 67, 1227-1233.	1.4	16
41	New simple syntheses of (E)-1-azido- (or thiocyanato)-alk-1-enes from alk-1-yne by hydroboration. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1998, , 1013-1014.	0.9	15
42	New type formation of 1,3-enynes (or internal alkynes) via coupling of organoboranes with alkynylcopper compounds mediated by copper(II). <i>Chemical Communications</i> , 1998, , 807-808.	4.1	14
43	Facile and stereospecific synthesis of 1,1-dihalogenoalk-1-enes from 1-halogenoalk-1-yne by hydroboration. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1995, , 2955.	0.9	13
44	Ruthenium-catalyzed nitrogen-directed ortho C-H borylation of aromatic imines with pinacolborane. <i>Tetrahedron Letters</i> , 2018, 59, 2537-2540.	1.4	13
45	Unnatural tripeptide as highly enantioselective organocatalyst for asymmetric aldol reaction of isatins. <i>Tetrahedron Letters</i> , 2019, 60, 415-418.	1.4	12
46	Nickel-Catalyzed Borylation of Aryl Halides with 4,4,6-Trimethyl-1,3,2-dioxaborinane. <i>Heterocycles</i> , 2012, 86, 133.	0.7	11
47	Single Wavelengths of LED Light Supplement Promote the Biosynthesis of Major Cyclic Monoterpenes in Japanese Mint. <i>Plants</i> , 2021, 10, 1420.	3.5	10
48	Transition Metal-catalyzed Silylation of Organic Halides with Hydrosilanes. <i>Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry</i> , 2010, 68, 845-853.	0.1	10
49	Preparation of Polystyrene-Polyimide Particles by Dispersion Polymerization of Styrene Using Poly(amic acid) as a Stabilizer. <i>Polymer Journal</i> , 2006, 38, 471-476.	2.7	9
50	Preparation of aliphatic-aromatic polyimide particles by polycondensation of diethyl hexafluoroisopropylidenediphthalate and diaminoctane in ethylene glycol. <i>High Performance Polymers</i> , 2015, 27, 183-190.	1.8	9
51	Preparation of monodisperse PMMA particles by dispersion polymerization of MMA using poly(styrene-co-methacrylic acid) copolymer as a steric stabilizer. <i>Polymer Bulletin</i> , 2010, 65, 543-550.	3.3	8
52	Synthesis of Aryl Triolborates via Nickel-Catalyzed Borylation of Aryl Halides with 5-(tert-Butyldimethylsilyloxymethyl)-5-methyl-1,3,2-dioxaborinane. <i>Synthesis</i> , 2012, 44, 1233-1236.	2.3	8
53	Enzyme-assisted Extraction of Bioactive Phytochemicals from Japanese Peppermint (<i>Mentha</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 1.4 8	1.4	8
54	Hydrodistillation by Solvent-Free Microwave Extraction of Fresh Japanese Peppermint (<i>Mentha</i>) Tj ETQq0 0 0 rgBT /Overlock 1.9 10 Tf 50	1.9	10

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55	Synthesis of polymer microspheres with mercapto groups by polycondensation of ω -alkanedithiol and α -dibromoalkane in the presence of a poly[styrene- <i>N</i> -(hydroxymethyl)acrylamide] latex. <i>Macromolecular Chemistry and Physics</i> , 2000, 201, 896-901.	2.2	6
56	Synthesis and Characterization of Aromatic Polyimide Containing 3,6-Diamino-9-Alkylcarbazole and Aromatic Tetracarboxylic Dianhydrides. <i>High Performance Polymers</i> , 2001, 13, 281-286.	1.8	6
57	Conversion and Hydrothermal Decomposition of Major Components of Mint Essential Oil by Small-Scale Subcritical Water Treatment. <i>Molecules</i> , 2020, 25, 1953.	3.8	6
58	Characteristics of Japanese Mint Extracts Obtained by Subcritical-water Treatment. <i>Food Science and Technology Research</i> , 2019, 25, 695-703.	0.6	5
59	Tripeptide-Catalyzed Asymmetric Aldol Reaction of Trifluoromethylated Aromatic Ketones with Acetone. <i>Heterocycles</i> , 2019, 99, 841.	0.7	5
60	Preparation of Poly(<i>t</i> -butyl methacrylate)-Polyimide Particles by Dispersion Polymerization of <i>t</i> -Butyl Methacrylate Using Poly(amic acid) as a Stabilizer and Subsequent Imidization. <i>Polymer Journal</i> , 2008, 40, 743-748.	2.7	4
61	Preparation of aliphatic polypyromellitimide particles by polycondensation of nylon-salt-type monomers derived from aliphatic diamines with diethyl pyromellitate in ethylene glycol. <i>High Performance Polymers</i> , 2012, 24, 710-716.	1.8	4
62	Ruthenium-Catalysed Dehydrogenative C-H Borylation of Arenes with Pinacolborane. <i>Journal of Chemical Research</i> , 2016, 40, 393-396.	1.3	4
63	Preparation of monodisperse fully aromatic polyimide particles via the polycondensation of diethyl hexafluoroisopropylidenediphthalate with 4,4'-diaminodiphenylether in ethylene glycol. <i>Polymer Journal</i> , 2019, 51, 405-412.	2.7	4
64	Synthesis of polymer microspheres with mercapto groups by polycondensation of 1,3-propanedithiol and 1,6-dibromohexane in the presence of a polystyrene latex. <i>Macromolecular Rapid Communications</i> , 1998, 19, 75-77.	3.9	3
65	Synthesis of polymer microspheres with mercapto groups by polycondensation of ω -alkanedithiol and α -dibromoalkane in the presence of a polystyrene latex. <i>Macromolecular Chemistry and Physics</i> , 1999, 200, 2577-2580.	2.2	3
66	Palladium-Catalyzed Cross-Coupling Reaction of Tributyltin Hydride with Aryl Iodides: Formation of A Tin-Carbon Bond. <i>Synlett</i> , 2000, 2000, 1043-1045.	1.8	3
67	Palladium-Catalyzed Borylation of Aryl Iodides with 2,3-Dihydro-1H-benzo[d][1,3,2]diazaboroles. <i>Heterocycles</i> , 2014, 88, 193.	0.7	3
68	Organocatalyzed Asymmetric Aldol Reaction of α -Keto Amides with A Tripeptide Catalyst. <i>Synlett</i> , 2021, 32, 829-832.	1.8	3
69	Recovery of Mint Essential Oil through Pressure-releasing Distillation during Subcritical Water Treatment. <i>Food Science and Technology Research</i> , 2019, 25, 793-799.	0.6	3
70	Controlled Cationic Polymerization of Sulfide-Containing Vinyl Ethers. <i>Macromolecular Research</i> , 2022, 30, 16.	2.4	3
71	Living Cationic Polymerization of Vinyl Ether with a Thienyl Group. <i>Kobunshi Ronbunshu</i> , 2015, 72, 433-439.	0.2	2
72	Tripeptide-Catalyzed Asymmetric Aldol Reaction Between α -ketoesters and Acetone Under Acidic Cocatalyst-Free Conditions. <i>Catalysts</i> , 2019, 9, 514.	3.5	2

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73	Synthesis of Polymer Microspheres with Mercapto Groups by Polycondensation of 1,3-Propanedithiol and 1,6-Dibromohexane in the Presence of a Poly[styrene-alkylacrylamide] Latex. <i>Polymer Journal</i> , 2004, 36, 45-49.	2.7	1
74	Ruthenium-Catalyzed Functional-Group-Directed C-H Silylation and Borylation. <i>Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry</i> , 2019, 77, 876-882.	0.1	1
75	A General and Efficient Method for the Palladium-Catalyzed Cross-Coupling of Thiols and Secondary Phosphines.. <i>ChemInform</i> , 2004, 35, no.	0.0	0
76	Preparation of Nonspherical Polymer Particles with Amino Groups by Polycondensation. <i>Kobunshi Ronbunshu</i> , 2007, 64, 683-687.	0.2	0
77	Rhodium(I)-Catalyzed Silylation of Aryl Halides with Triethoxysilane: Practical Synthetic Route to Aryltriethoxysilanes.. <i>ChemInform</i> , 2002, 33, 167-167.	0.0	0
78	Synthesis of Degradable Crosslinked Poly(NBVE) with Imino Group Linkages. <i>Kobunshi Ronbunshu</i> , 2016, 73, 213-220.	0.2	0
79	Hot-water Treatment of Japanese Peppermint Dried Powder Toward the Application of Natural Food Coloring. <i>Bunseki Kagaku</i> , 2021, 70, 225-230.	0.2	0
80	Rhodium(I)-Catalyzed Silylation of Aryl Iodides with Di(2-furyl)methylsilane. <i>Heterocycles</i> , 2017, 95, 152.	0.7	0
81	Tripeptide-Catalyzed Direct Asymmetric Aldol Reaction of Activated Ketones. <i>Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry</i> , 2020, 78, 1174-1183.	0.1	0