Miki Murata

List of Publications by Year in descending order

81 papers	4,515 citations	218381 26 h-index	102304 66 g-index
111 all docs	111 docs citations	111 times ranked	3571 citing authors

#	Article	IF	Citations
1	Palladium(0)-Catalyzed Cross-Coupling Reaction of Alkoxydiboron with Haloarenes: A Direct Procedure for Arylboronic Esters. Journal of Organic Chemistry, 1995, 60, 7508-7510.	1.7	1,411
2	A general and efficient method for the palladium-catalyzed cross-coupling of thiols and secondary phosphines. Tetrahedron, 2004, 60, 7397-7403.	1.0	395
3	Palladium-Catalyzed Borylation of Aryl Halides or Triflates with Dialkoxyborane:â€‰ A Novel and Facile Synthetic Route to Arylboronates. Journal of Organic Chemistry, 2000, 65, 164-168.	1.7	359
4	Platinum(0)-Catalyzed Diboration of Alkynes with Tetrakis(alkoxo)diborons:Â An Efficient and Convenient Approach tocis-Bis(boryl)alkenes. Organometallics, 1996, 15, 713-720.	1.1	313
5	Novel Palladium(0)-Catalyzed Coupling Reaction of Dialkoxyborane with Aryl Halides:â€‰ Convenient Synthetic Route to Arylboronates. Journal of Organic Chemistry, 1997, 62, 6458-6459.	1.7	297
6	Rhodium(I)-Catalyzed Silylation of Aryl Halides with Triethoxysilane:â€‰ Practical Synthetic Route to Aryltriethoxysilanes. Organic Letters, 2002, 4, 1843-1845.	2.4	123
7	Synthesis of Arylsilanes via Palladium(0)-Catalyzed Silylation of Aryl Halides with Hydrosilane. Journal of Organic Chemistry, 1997, 62, 8569-8571.	1.7	117
8	Platinum-catalyzed Aromatic Câ€“H Silylation of Arenes with 1,1,1,3,5,5,5-Heptamethyltrisiloxane. Chemistry Letters, 2007, 36, 910-911.	0.7	94
9	Rhodium-catalyzed dehydrogenative coupling reaction of vinylarenes with pinacolborane to vinylboronates. Tetrahedron Letters, 1999, 40, 2585-2588.	0.7	84
10	An Efficient Catalyst System for Palladium-Catalyzed Borylation of Aryl Halides with Pinacolborane. Synlett, 2006, 2006, 1867-1870.	1.0	84
11	Rhodium- and Ruthenium-Catalyzed Dehydrogenative Borylation of Vinylarenes with Pinacolborane: Stereoselective Synthesis of Vinylboronates. Bulletin of the Chemical Society of Japan, 2002, 75, 825-829.	2.0	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-catalysed carbonylative cross-coupling sequence. Journal of the Chemical Society Chemical Communications, 1995, , 295.	2.0	74
13	BIS(PINACOLATO)DIBORON. Organic Syntheses, 2000, 77, 176.	1.0	58
14	Synthesis of Alkenylboronates via Palladium-Catalyzed Borylation of Alkenyl Triflates (or Iodides) with Pinacolborane. Synthesis, 2000, 2000, 778-780.	1.2	53
15	Regio- and stereoselective synthesis of allylboranes via platinum(0)-catalyzed borylation of allyl halides with pinacolborane. Tetrahedron Letters, 2000, 41, 5877-5880.	0.7	51
16	Synthesis of aryltriethoxysilanes via rhodium(I)-catalyzed cross-coupling of aryl electrophiles with triethoxysilane. Tetrahedron, 2007, 63, 4087-4094.	1.0	50
17	Ruthenium-catalyzed Ortho-selective Aromatic Câ€“H Silylation: Acceptorless Dehydrogenative Coupling of Hydrosilanes. Chemistry Letters, 2012, 41, 374-376.	0.7	49
18	Rhodium(I)-Catalyzed 1,2- and 1,4-Addition of Aryltriethoxysilanes to Carbonyl Compounds under Aqueous Basic Conditions. Synthesis, 2002, 2002, 717-719.	1.2	46

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19	Synthesis of alkenylsilanes via palladium(0)-catalyzed silylation of alkenyl iodides with hydrosilane. Tetrahedron Letters, 1999, 40, 9255-9257.	0.7	45
20	Transition-Metal-Catalyzed Borylation of Organic Halides with Hydroboranes. Heterocycles, 2012, 85, 1795.	0.4	44
21	Palladium(0)-Catalyzed Silylation of Aryl Halides with Triorganosilanes: Synthesis of Aryl(2-furyl)silanes. Synthesis, 2006, 2006, 1771-1774.	1.2	39
22	Palladium-Catalyzed Cross-Coupling Reaction of Aryltriethoxysilanes with Aryl Bromides under Basic Aqueous Conditions. Synthesis, 2001, 2001, 2231-2233.	1.2	32
23	Ruthenium‚Catalyzed Ortho‚Selective Aromatic C¿H Borylation of 2‚Arylpyridines with Pinacolborane. ChemCatChem, 2015, 7, 1531-1534.	1.8	30
24	Electrolytic Oxidation of Ketones in Ammoniacal Methanol in the Presence of Catalytic Amounts of KI. Journal of Organic Chemistry, 1995, 60, 6764-6770.	1.7	29
25	Palladium- or Nickel-Catalyzed Coupling Reaction of Dialkoxyboranes with Chloroarenes: Arylation of 1,3,2-Dioxaborolanes or 1,3,2-Dioxaborinanes. Heterocycles, 2010, 80, 213.	0.4	28
26	Preparation of core-shell polystyrene-polyimide particles by dispersion polymerization of styrene using poly(amic acid) as a stabilizer. Macromolecular Rapid Communications, 2000, 21, 1323-1326.	2.0	27
27	SYNTHESIS OF BENZYLBORONATES VIA PALLADIUM-CATALYZED BORYLATION OF BENZYL HALIDES WITH PINACOLBORANE. Synthetic Communications, 2002, 32, 2513-2517.	1.1	26
28	Stereoselective synthesis of enol acetates by the reaction of alkenylboronates with (diacetoxyiodo)benzene and sodium iodide. Journal of the Chemical Society Perkin Transactions 1, 1998, , 1465-1466.	0.9	25
29	Site‚Selective Aliphatic Cˆ'H Silylation of 2‚Alkyloxazolines Catalyzed by Ruthenium Complexes. ChemCatChem, 2016, 8, 2202-2205.	1.8	25
30	An Efficient Catalyst System for Palladium(0)-Catalyzed Cross-Coupling of Aryltrialkoxysilanes with Aryl Halides. Synlett, 2006, 2006, 0118-0120.	1.0	21
31	Silylation of Aryl Iodides with 1,1,1,3,5,5,5-Heptamethyltrisiloxane Catalyzed by Transition-Metal Complexes. Synlett, 2007, 2007, 1387-1390.	1.0	21
32	Synthesis of Organosilatranes via Rhodium(I)-Catalyzed Silylation of Organic Iodides with Hydrosilatrane. Synthesis, 2007, 2007, 2944-2946.	1.2	21
33	Ruthenium‚Catalyzed Dehydrogenative Aromatic C¿H Silylation of Benzamides with Hydrosilanes. Advanced Synthesis and Catalysis, 2015, 357, 2229-2232.	2.1	21
34	4,4,6-Trimethyl-1,3,2-dioxaborinane: A Practical Reagent for Palladium-CatalyzedÂ-Borylation of Aryl Halides. Synthesis, 2007, 2007, 351-354.	1.2	20
35	Formation of (Z)-allylboronates via ruthenium-catalysed hydroboration of propargyl ethers with pinacolborane. Journal of Chemical Research, 2002, 2002, 142-143.	0.6	19
36	Synthesis of Dibenzosiloles via Platinum-catalyzed Intramolecular Dehydrogenative Cyclization of 2-(Dialkylsilyl)biaryls. Chemistry Letters, 2016, 45, 857-859.	0.7	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. Journal of Polymer Science Part A, 1998, 36, 2229-2235.	2.5	16
38	Aromatic Câ€“H Borylation Catalyzed by Hydrotris(pyrazolyl)borate Complexes of Rhodium and Iridium. Bulletin of the Chemical Society of Japan, 2006, 79, 1980-1982.	2.0	16
39	Palladium-catalyzed Borylation of Aryl Arenesulfonates with Dialkoxyboranes. Chemistry Letters, 2011, 40, 962-963.	0.7	16
40	Utilization of the Japanese Peppermint Herbal Water Byproduct of Steam Distillation as an Antimicrobial Agent. Journal of Oleo Science, 2018, 67, 1227-1233.	0.6	16
41	New simple syntheses of (Eâ€Š)-1-azido- (or thiocyanato)-alk-1-enes from alk-1-ynes by hydroboration. Journal of the Chemical Society Perkin Transactions 1, 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). Chemical Communications, 1998, , 807-808.	2.2	14
43	Facile and stereospecific synthesis of 1,1-dihalogenoalk-1-enes from 1-halogenoalk-1-ynes by hydroboration. Journal of the Chemical Society Perkin Transactions 1, 1995, , 2955.	0.9	13
44	Ruthenium-catalyzed nitrogen-directed ortho C H borylation of aromatic imines with pinacolborane. Tetrahedron Letters, 2018, 59, 2537-2540.	0.7	13
45	Unnatural tripeptide as highly enantioselective organocatalyst for asymmetric aldol reaction of isatins. Tetrahedron Letters, 2019, 60, 415-418.	0.7	12
46	Nickel-Catalyzed Borylation of Aryl Halides with 4,4,6-Trimethyl-1,3,2-dioxaborinane. Heterocycles, 2012, 86, 133.	0.4	11
47	Single Wavelengths of LED Light Supplement Promote the Biosynthesis of Major Cyclic Monoterpenes in Japanese Mint. Plants, 2021, 10, 1420.	1.6	10
48	Transition Metal-catalyzed Silylation of Organic Halides with Hydrosilanes. Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry, 2010, 68, 845-853.	0.0	10
49	Preparation of Polystyrene-Polyimide Particles by Dispersion Polymerization of Styrene Using Poly(amic acid) as a Stabilizer. Polymer Journal, 2006, 38, 471-476.	1.3	9
50	Preparation of aliphaticâ€“aromatic polyimide particles by polycondensation of diethyl hexafluoroisopropylidenediphthalate and diaminooctane in ethylene glycol. High Performance Polymers, 2015, 27, 183-190.	0.8	9
51	Preparation of monodisperse PMMA particles by dispersion polymerization of MMA using poly(styrene-co-methacrylic acid) copolymer as a steric stabilizer. Polymer Bulletin, 2010, 65, 543-550.	1.7	8
52	Synthesis of Aryl Triolborates via Nickel-Catalyzed Borylation of Aryl Halides with 5-(tert-Butyldimethylsiloxymethyl)-5-methyl-1,3,2-dioxaborinane. Synthesis, 2012, 44, 1233-1236.	1.2	8
53	Enzyme-assisted Extraction of Bioactive Phytochemicals from Japanese Peppermint (<i>Mentha) Tj ETQq1 1 0.784314 rgBT /Overlock	0.6	8
54	Hydrodistillation by Solvent-Free Microwave Extraction of Fresh Japanese Peppermint (<i>Mentha) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.7	8

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55	Synthesis of polymer microspheres with mercapto groups by polycondensation ofÎ±,Ï‰-alkanedithiol andÎ±,Ï‰-dibromoalkane in the presence of a poly[styrene-N-(hydroxymethyl)acrylamide] latex. Macromolecular Chemistry and Physics, 2000, 201, 896-901.	1.1	6
56	Synthesis and Characterization of Aromatic Polyimide Containing 3,6-Diamino-9-Alkylcarbazole and Aromatic Tetracarboxylic Dianhydrides. High Performance Polymers, 2001, 13, 281-286.	0.8	6
57	Conversion and Hydrothermal Decomposition of Major Components of Mint Essential Oil by Small-Scale Subcritical Water Treatment. Molecules, 2020, 25, 1953.	1.7	6
58	Characteristics of Japanese Mint Extracts Obtained by Subcritical-water Treatment. Food Science and Technology Research, 2019, 25, 695-703.	0.3	5
59	Tripeptide-Catalyzed Asymmetric Aldol Reaction of Trifluoromethylated Aromatic Ketones with Acetone. Heterocycles, 2019, 99, 841.	0.4	5
60	Preparation of Poly(t-butyl methacrylate)-Polyimide Particles by Dispersion Polymerization of t-Butyl Methacrylate Using Poly(amic acid) as a Stabilizer and Subsequent Imidization. Polymer Journal, 2008, 40, 743-748.	1.3	4
61	Preparation of aliphatic polypyromellitimide particles by polycondensation of nylon-salt-type monomers derived from aliphatic diamines with diethyl pyromellitate in ethylene glycol. High Performance Polymers, 2012, 24, 710-716.	0.8	4
62	Ruthenium-Catalysed Dehydrogenative Câ€“H Borylation of Arenes with Pinacolborane. Journal of Chemical Research, 2016, 40, 393-396.	0.6	4
63	Preparation of monodisperse fully aromatic polyimide particles via the polycondensation of diethyl hexafluoroisopropylidenediphthalate with 4,4â€²-diaminodiphenylether in ethylene glycol. Polymer Journal, 2019, 51, 405-412.	1.3	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. Macromolecular Rapid Communications, 1998, 19, 75-77.	2.0	3
65	Synthesis of polymer microspheres with mercapto groups by polycondensation ofÎ±,Ï‰-alkanedithiol andÎ±,Ï‰-dibromoalkane in the presence of a polystyrene latex. Macromolecular Chemistry and Physics, 1999, 200, 2577-2580.	1.1	3
66	Palladium-Catalyzed Cross-Coupling Reaction of Tributyltin Hydride with Aryl Iodides: Formation of A Tin-Carbon Bond. Synlett, 2000, 2000, 1043-1045.	1.0	3
67	Palladium-Catalyzed Borylation of Aryl Iodides with 2,3-Dihydro-1H-benzo[d][1,3,2]diazaboroles. Heterocycles, 2014, 88, 193.	0.4	3
68	Organocatalyzed Asymmetric Aldol Reaction of Î±-Keto Amides with A Tripeptide Catalyst. Synlett, 2021, 32, 829-832.	1.0	3
69	Recovery of Mint Essential Oil through Pressure-releasing Distillation during Subcritical Water Treatment. Food Science and Technology Research, 2019, 25, 793-799.	0.3	3
70	Controlled Cationic Polymerization of Sulfide-Containing Vinyl Ethers. Macromolecular Research, 2022, 30, 16.	1.0	3
71	Living Cationic Polymerization of Vinyl Ether with a Thienyl Group. Kobunshi Ronbunshu, 2015, 72, 433-439.	0.2	2
72	Tripeptide-Catalyzed Asymmetric Aldol Reaction Between Î±-ketoesters and Acetone Under Acidic Cocatalyst-Free Conditions. Catalysts, 2019, 9, 514.	1.6	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. Polymer Journal, 2004, 36, 45-49.	1.3	1
74	Ruthenium-Catalyzed Functional-Group-Directed C-H Silylation and Borylation. Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry, 2019, 77, 876-882.	0.0	1
75	A General and Efficient Method for the Palladium-Catalyzed Cross-Coupling of Thiols and Secondary Phosphines.. ChemInform, 2004, 35, no.	0.1	0
76	Preparation of Nonspherical Polymer Particles with Amino Groups by Polycondensation. Kobunshi Ronbunshu, 2007, 64, 683-687.	0.2	0
77	Rhodium(I)â€Catalyzed Silylation of Aryl Halides with Triethoxysilane: Practical Synthetic Route to Aryltriethoxysilanes.. ChemInform, 2002, 33, 167-167.	0.1	0
78	Synthesis of Degradable Crosslinked Poly(NBVE) with Imino Group Linkages. Kobunshi Ronbunshu, 2016, 73, 213-220.	0.2	0
79	Hot-water Treatment of Japanese Peppermint Dried Powder Toward the Application of Natural Food Coloring. Bunseki Kagaku, 2021, 70, 225-230.	0.1	0
80	Rhodium(I)-Catalyzed Silylation of Aryl Iodides with Di(2-furyl)methylsilane. Heterocycles, 2017, 95, 152.	0.4	0
81	Tripeptide-Catalyzed Direct Asymmetric Aldol Reaction of Activated Ketones. Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry, 2020, 78, 1174-1183.	0.0	0