Hiroto Yoshida

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/904670/publications.pdf

Version: 2024-02-01

131 papers 6,473 citations

44069 48 h-index 71685 **76** g-index

200 all docs

200 docs citations

200 times ranked 2949 citing authors

#	Article	IF	Citations
1	Borylation of Alkynes under Base/Coinage Metal Catalysis: Some Recent Developments. ACS Catalysis, 2016, 6, 1799-1811.	11.2	333
2	CO2Incorporation Reaction Using Arynes:Â Straightforward Access to Benzoxazinone. Journal of the American Chemical Society, 2006, 128, 11040-11041.	13.7	231
3	Addition of Ureas to Arynes: Straightforward Synthesis of Benzodiazepine and Benzodiazocine Derivatives. Angewandte Chemie - International Edition, 2002, 41, 3247-3249.	13.8	208
4	Copper-Catalyzed Three-Component Carboboration of Alkynes and Alkenes. Organic Letters, 2013, 15, 952-955.	4.6	193
5	Copper atalyzed Borylation Reactions of Alkynes and Arynes. Angewandte Chemie - International Edition, 2012, 51, 235-238.	13.8	181
6	Aryne, <i>ortho</i> -Quinone Methide, and <i>ortho</i> -Quinodimethane: Synthesis of Multisubstituted Arenes Using the Aromatic Reactive Intermediates. Bulletin of the Chemical Society of Japan, 2010, 83, 199-219.	3.2	154
7	Addition of Ureas to Arynes: Straightforward Synthesis of Benzodiazepine and Benzodiazocine Derivatives ChemInform, 2003, 34, no-no.	0.0	152
8	Facile insertion reaction of arynes into carbon–carbon σ-bonds. Chemical Communications, 2005, , 3292.	4.1	135
9	Aryne Insertion Reactions into Carbon-Carbon $led{l}f$ -Bonds. Synlett, 2012, 23, 1725-1732.	1.8	135
10	Arynes in a Three-Component Coupling Reaction: Straightforward Synthesis of Benzoannulated Iminofurans. Angewandte Chemie - International Edition, 2004, 43, 3935-3938.	13.8	134
11	A 2:1 Coupling Reaction of Arynes with Aldehydes viao-Quinone Methides:  Straightforward Synthesis of 9-Arylxanthenes. Organic Letters, 2004, 6, 4049-4051.	4.6	127
12	Base-free oxidative homocoupling of arylboronic esters. Tetrahedron Letters, 2003, 44, 1541-1544.	1.4	123
13	Nickel-Catalyzed Carbostannylation of Alkynes with Allyl-, Acyl-, and Alkynylstannanes:Â Stereoselective Synthesis of Trisubstituted Vinylstannanes. Journal of the American Chemical Society, 1999, 121, 10221-10222.	13.7	121
14	Three-component coupling using arynes and DMF: straightforward access to coumarins via ortho-quinone methides. Chemical Communications, 2011, 47, 8512.	4.1	121
15	Threeâ€Component Coupling of Arynes and Organic Bromides. Angewandte Chemie - International Edition, 2011, 50, 9676-9679.	13.8	112
16	Carbostannylation of Alkynes Catalyzed by an Iminophosphineâ^Palladium Complex. Journal of the American Chemical Society, 1998, 120, 2975-2976.	13.7	111
17	Palladium-Catalyzed Bissilylation of Arynes with Cyclic Disilanes:  Synthesis of Benzo-Annulated Disilacarbocycles. Journal of the American Chemical Society, 2003, 125, 6638-6639.	13.7	104
18	Distannylation of Strained Carbon–Carbon Triple Bonds Catalyzed by a Palladium Complex. Angewandte Chemie - International Edition, 2004, 43, 5052-5055.	13.8	102

#	Article	IF	CITATIONS
19	Direct Access to Anthranilic Acid Derivatives via CO ₂ Incorporation Reaction Using Arynes. Organic Letters, 2008, 10, 3845-3847.	4.6	102
20	A masked diboron in Cu-catalysed borylation reaction: highly regioselective formal hydroboration of alkynes for synthesis of branched alkenylborons. Chemical Communications, 2014, 50, 8299-8302.	4.1	102
21	Palladium–iminophosphine-catalysed carbostannylation of arynes: synthesis of ortho-substituted arylstannanes. Chemical Communications, 2001, , 1880-1881.	4.1	99
22	Facile Synthesis of N-Alkyl-Nâ€~-arylimidazolium Salts via Addition of Imidazoles to Arynes. Organic Letters, 2002, 4, 2767-2769.	4.6	90
23	Synchronous ArF and ArSn Bond Formation through Fluorostannylation of Arynes. Angewandte Chemie - International Edition, 2013, 52, 8629-8632.	13.8	86
24	Aryne insertion into \hat{l}_{\pm} -cyanocarbonyl compounds: direct introduction of carbonyl and cyanomethyl moieties into the aromatic skeletons. Tetrahedron Letters, 2005, 46, 6729-6731.	1.4	84
25	Straightforward construction of diarylmethane skeletons via aryne insertion into carbon–carbon Ïf-bonds. Chemical Communications, 2007, , 1505-1507.	4.1	79
26	A leap forward in sulfonium salt and sulfur ylide chemistry. Chinese Chemical Letters, 2021, 32, 299-312.	9.0	79
27	Silver-Catalyzed Highly Regioselective Formal Hydroboration of Alkynes. Organic Letters, 2014, 16, 3512-3515.	4.6	78
28	Platinum-catalysed diborylation of arynes: synthesis and reaction of 1,2-diborylarenes. Chemical Communications, 2010, 46, 1763.	4.1	77
29	Palladium-Catalyzed Dimerizationâ^Carbostannylation of Alkynes:Â Synthesis of Highly Conjugated Alkenylstannanes. Journal of the American Chemical Society, 1999, 121, 4290-4291.	13.7	76
30	Synthesis of Dithienogermole-Containing π-Conjugated Polymers and Applications to Photovoltaic Cells. Organometallics, 2011, 30, 3233-3236.	2.3	76
31	Copperâ€Catalyzed Threeâ€Component Borylstannylation of Alkynes. Chemistry - A European Journal, 2012, 18, 14841-14844.	3.3	76
32	Straightforward access to 2-iminoisoindolines via three-component coupling of arynes, isocyanides and imines. Tetrahedron Letters, 2004, 45, 8659-8662.	1.4	74
33	Three-Component Coupling of Arynes, Aminosilanes, and Aldehydes. Organic Letters, 2007, 9, 3367-3370.	4.6	74
34	Palladiumâ^'Iminophosphine-Catalyzed Alkynylstannylation of Alkynes. Organometallics, 2000, 19, 5671-5678.	2.3	70
35	Three-component coupling using arynes and isocyanides: straightforward access to benzo-annulated nitrogen or oxygen heterocycles. Tetrahedron, 2007, 63, 4793-4805.	1.9	70
36	An iminophosphine-palladium catalyst for cross-coupling of aryl halides with organostannanes. Tetrahedron Letters, 1997, 38, 3759-3762.	1.4	68

#	Article	IF	Citations
37	Copper-Catalyzed B(dan)-Installing Carboboration of Alkenes. Organic Letters, 2017, 19, 830-833.	4.6	68
38	Aminosilylation of arynes with aminosilanes: synthesis of 2-silylaniline derivatives. Chemical Communications, 2005, , 3454.	4.1	65
39	Fluorenes as new molecular scaffolds for carbon–carbon σ-bond cleavage reaction: acylfluorenylation of arynes. Chemical Communications, 2008, , 5963.	4.1	64
40	Thiostannylation of arynes with stannyl sulfides: synthesis and reaction of 2-(arylthio)arylstannanesElectronic supplementary information (ESI) available: experimental section. See http://www.rsc.org/suppdata/cc/b4/b405883f/. Chemical Communications, 2004, , 1980.	4.1	59
41	Borylstannylation of alkynes with inverse regioselectivity: copper-catalyzed three-component coupling using a masked diboron. Chemical Communications, 2015, 51, 6297-6300.	4.1	59
42	Copper-catalysed bromoalkynylation of arynes. Chemical Communications, 2010, 46, 640-642.	4.1	57
43	Three-Component Coupling Using Arynes and Aminosilanes for ortho-Selective Double Functionalization of Aromatic Skeletons. Journal of Organic Chemistry, 2008, 73, 5452-5457.	3.2	55
44	Insertion of arynes into carbon–halogen σ-bonds: regioselective acylation of aromatic rings. Chemical Communications, 2007, , 2405-2407.	4.1	54
45	Nickel-Catalyzed Acylstannylation of 1,3-Dienes:  Synthesis and Reaction of Îμ-Oxoallylstannanes. Journal of the American Chemical Society, 2000, 122, 9030-9031.	13.7	53
46	Multicomponent Coupling Reaction of Arynes for Construction of Heterocyclic Skeletons. Heterocycles, 2012, 85, 1333.	0.7	53
47	Direct Synthesis of Boronâ€Protected Alkenyl―and Alkylborons via Copperâ€Catalyzed Formal Hydroboration of Alkynes and Alkenes. Asian Journal of Organic Chemistry, 2014, 3, 1204-1209.	2.7	52
48	Diphenylphosphinophenolate: a ligand for the palladium-catalysed silylation of aryl halides activating simultaneously both palladium and silicon. Chemical Communications, 2000, , 1895-1896.	4.1	50
49	Mechanistic Aspects of Palladium-Catalyzed Allylstannylation of Alkynes. Organic Letters, 2000, 2, 2209-2211.	4.6	48
50	Copper-Catalyzed 2:1 Coupling Reaction of Arynes with Alkynes. Organic Letters, 2009, 11, 373-376.	4.6	48
51	Addition of Siliconâ´'Silicon $\ddot{l}f$ -Bonds to Arynes or Bisarynes Catalyzed by a Palladium Complex. Organometallics, 2005, 24, 156-162.	2.3	47
52	Three-Component Carboboration of Alkenes under Copper Catalysis. Synthesis, 2014, 46, 1924-1932.	2.3	47
53	Direct Suzuki–Miyaura Coupling with Naphthalene-1,8-diaminato (dan)-Substituted Organoborons. ACS Catalysis, 2020, 10, 346-351.	11.2	47
54	Addition of Ureas to Arynes: Straightforward Synthesis of Benzodiazepine and Benzodiazocine Derivatives. Angewandte Chemie, 2002, 114, 3381-3383.	2.0	46

#	Article	lF	Citations
55	Copper-catalyzed direct borylation of alkyl, alkenyl and aryl halides with B(dan). Organic Chemistry Frontiers, 2017, 4, 1215-1219.	4.5	46
56	Dimerization–Carbostannylation of Alkynes Catalyzed by a Palladium–Diimine Complex: Regioselectivity, Stereoselectivity and Mechanism. Bulletin of the Chemical Society of Japan, 2001, 74, 637-647.	3.2	44
57	Carbophosphinylation of Arynes with Cyanomethyldiphenylphosphine Oxide. Chemistry Letters, 2005, 34, 1538-1539.	1.3	44
58	Palladium-catalysed dimerisation–distannylation of arynes: synthesis and reaction of 2,2′-distannylbiaryls. Chemical Communications, 2005, , 5678.	4.1	42
59	Aryne reaction with trifluoromethyl ketones in three modes: C–C bond cleavage, [2+2] cycloaddition and O-arylation. Chemical Communications, 2011, 47, 8664.	4.1	42
60	On the catalytic cycle of the palladium-catalyzed cross-coupling reaction of alkynylstannane with aryl iodide. Tetrahedron Letters, 1997, 38, 5177-5180.	1.4	36
61	Facile Synthesis of Polycyclic Aromatic Hydrocarbons via a Trisaryne Equivalent. Chemistry Letters, 2005, 34, 56-57.	1.3	36
62	Copper Catalysis for Synthesizing Main-Group Organometallics Containing B, Sn or Si. Chemical Record, 2016, 16, 419-434.	5.8	35
63	Inverse regioselectivity in the silylstannylation of alkynes and allenes: copper-catalyzed three-component coupling with a silylborane and a tin alkoxide. Chemical Communications, 2015, 51, 9440-9442.	4.1	33
64	An Aryne Route to Cytosporone B and Phomopsin C. Chemistry Letters, 2010, 39, 508-509.	1.3	30
65	Stannylation Reactions under Base Metal Catalysis: Some Recent Advances. Synthesis, 2016, 48, 2540-2552.	2.3	30
66	Dithiazolylthienothiophene Bisimide: A Novel Electron-Deficient Building Unit for N-Type Semiconducting Polymers. ACS Applied Materials & Semiconducting Polymers. ACS Applied Materials	8.0	28
67	Copper-catalyzed distannylation of alkynes. Chemical Communications, 2013, 49, 11671.	4.1	26
68	Copper-catalyzed \hat{l} ±-selective hydrostannylation of alkynes for the synthesis of branched alkenylstannanes. Chemical Communications, 2015, 51, 10616-10619.	4.1	26
69	Palladium-Catalyzed Distannylation of ortho-Quinodimethanes. Organic Letters, 2006, 8, 4157-4159.	4.6	25
70	Anthranilamide (aam)-substituted arylboranes in direct carbon–carbon bond-forming reactions. Chemical Communications, 2019, 55, 2624-2627.	4.1	25
71	Hetero-Diels–Alder reaction of photochemically generated α-hydroxy-o-quinodimethanes with trifluoromethyl ketones. Tetrahedron Letters, 2012, 53, 3974-3976.	1.4	24
72	An anthranilamide-substituted borane [H–B(aam)]: its stability and application to iridium-catalyzed stereoselective hydroboration of alkynes. Chemical Communications, 2019, 55, 5420-5422.	4.1	22

#	Article	IF	CITATIONS
73	Synthetic Chemistry with Lewis Acidityâ€Diminished B(aam) and B(dan) Groups: Borylation Reactions and Direct Crossâ€Couplings. Advanced Synthesis and Catalysis, 2021, 363, 2310-2324.	4.3	22
74	Synthesis of organosilicon polymers containing donor–acceptor type π-conjugated units and their applications to dye-sensitized solar cells. Journal of Organometallic Chemistry, 2007, 692, 801-805.	1.8	21
75	Palladium-Catalyzed Disilylation of <i>o</i> -Quinodimethanes: Synthesis of 9- and 10-Membered Disilacarbocycles. Organic Letters, 2008, 10, 4319-4322.	4.6	21
76	Facile Access to vic-Borylstannylalkanes via Copper-Catalyzed Three-Component Borylstannylation of Alkenes. Synthesis, 2014, 46, 3024-3032.	2.3	21
77	N-Heterocyclic carbene-catalyzed double acylation of enones with benzils. Chemical Communications, 2014, 50, 12285-12288.	4.1	21
78	Copper-Catalyzed Borylstannylation of Alkynes with Tin Fluorides. Organometallics, 2017, 36, 1345-1351.	2.3	21
79	Anthranilamide (aam)-substituted diboron: palladium-catalyzed selective B(aam) transfer. Chemical Communications, 2018, 54, 9290-9293.	4.1	21
80	Aryne–Imine–Aryne Coupling Reaction via [4+2] Cycloaddition between Azaâ€ <i>o</i> àê€Quinone Methides and Arynes. Asian Journal of Organic Chemistry, 2017, 6, 973-976.	2.7	20
81	Synthesis of diarylenenaphthylene- and diaryleneanthrylene-containing organosilicon polymers and their applications to organic EL devices. Journal of Organometallic Chemistry, 2007, 692, 1020-1024.	1.8	19
82	Activator-free oxidative homocoupling of organosilanes catalysed by a palladium–DPPP complex. Chemical Communications, 2003, , 1510-1511.	4.1	18
83	Convenient Synthesis of 2â€Aminoâ€4 <i>H</i> â€chromenes from Photochemically Generated <i>o</i> â€Quinone Methides and Malononitrile. Journal of Heterocyclic Chemistry, 2015, 52, 59-66.	2.6	18
84	Origins of Internal Regioselectivity in Copper-Catalyzed Borylation of Terminal Alkynes. ACS Catalysis, 2021, 11, 14381-14387.	11.2	18
85	Copper-catalyzed arylstannylation of arynes in a sequence. Chemical Communications, 2019, 55, 6503-6506.	4.1	17
86	Copperâ€Catalyzed B(dan)â€Installing Allylic Borylation of Allylic Phosphates. Advanced Synthesis and Catalysis, 2019, 361, 2286-2290.	4.3	17
87	Facile access to boryltetralins and borylnaphthalenes via a cycloaddition using o-quinodimethanes. Chemical Communications, 2010, 46, 5253.	4.1	15
88	Transition metal-free B(dan)-installing reaction (dan: naphthalene-1,8-diaminato): H–B(dan) as a B(dan) electrophile. Chemical Communications, 2020, 56, 6388-6391.	4.1	15
89	Ligandâ€Free Copperâ€Catalyzed Cyano―and Alkynylstannylation of Arynes. ChemistrySelect, 2017, 2, 3212-3215.	1.5	13
90	Ni/Co-Catalyzed Homo-Coupling of Alkyl Tosylates. Molecules, 2019, 24, 1458.	3.8	13

#	Article	IF	CITATIONS
91	Insertion of Arynes into Carbon–Chlorine Bonds of Chlorotriazines. Chemistry Letters, 2009, 38, 1132-1133.	1.3	12
92	Copper-catalyzed Borylation of Bromoaryl Triflates with Diborons: Chemoselective Replacement of an Ar–Br Bond. Chemistry Letters, 2018, 47, 957-959.	1.3	12
93	One-pot Sequential Fluorostannylation–Arylstannylation of Arynes. Chemistry Letters, 2019, 48, 1032-1034.	1.3	11
94	HMPA-Free Generation of Trialkylsilyllithium Reagents and Its Applications to the Synthesis of Silylboronic Esters. Synthesis, 2021, 53, 4678-4681.	2.3	10
95	Naphthobispyrazine as an Electron-deficient Building Unit for π-Conjugated Polymers: Efficient Synthesis and Polymer Properties. Chemistry Letters, 2017, 46, 1193-1196.	1.3	9
96	NHC-catalyzed cleavage of vicinal diketones and triketones followed by insertion of enones and ynones. Beilstein Journal of Organic Chemistry, 2017, 13, 1816-1822.	2.2	9
97	Cyclic voltammetry and theoretical calculations of silyl-substituted 1,4-benzoquinones. Journal of Organometallic Chemistry, 2005, 690, 1324-1331.	1.8	8
98	B(MIDA)-Containing Diborons. ACS Omega, 2017, 2, 5911-5916.	3. 5	8
99	Preparation of (pin)B–B(dan). Organic Syntheses, 0, 95, 218-230.	1.0	8
100	Sonogashira coupling of diethynylsilane and dibromoarene in wet solvent for the formation of poly[(ethynylenearylene)-co-(diethynylenesilylenearylene)]. Journal of Organometallic Chemistry, 2005, 690, 3951-3956.	1.8	7
101	An <i>ortho</i> -Quinodimethane Route to Lasofoxifene and U23469. Chemistry Letters, 2011, 40, 1272-1274.	1.3	7
102	SYNTHESIS AND REACTIONS OF SILICON-BRIDGED DITHIENYLBIPHENYLS. FINE TUNING OF ELECTRONIC STATES BY BRIDGING SILICON CHAIN LENGTHS. Heterocycles, 2012, 86, 1167.	0.7	7
103	Synthesis of organosilanylene–thienylene alternating oligomers bearing ether side chains. Journal of Organometallic Chemistry, 2003, 682, 267-271.	1.8	6
104	Transition Metal-Catalyzed Reactions or Electrophilic Coupling Reactions Using Arynes. Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry, 2005, 63, 627-639.	0.1	6
105	Does Water Liquid Phase Intrude into Hydrophobic Nanospaces of Alkyl-grafted Mesoporous Silica Immersed in Water? Detection by 13C CP-MAS NMR. Chemistry Letters, 2010, 39, 1215-1217.	1.3	6
106	Hybridization of Carbon Nanotubes with Si–݀ Polymers and Attachment of Resulting Hybrids to TiO2 Surface. Chemistry Letters, 2011, 40, 87-89.	1.3	6
107	Aryne Insertion Reactions into .SIGMABonds. Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry, 2011, 69, 877-888.	0.1	6
108	A stable silylborane with diminished boron Lewis acidity. Dalton Transactions, 2022, 51, 6543-6546.	3.3	6

#	Article	IF	CITATIONS
109	2,3,5,6-Tetrasilyl- and 2,3,5,6-Tetragermyl-1,4-benzoquinones:Â X-ray Crystallographic Analysis, Cyclic Voltammetry, and DFT Calculations. Organometallics, 2004, 23, 1554-1561.	2.3	5
110	Dithiazolylthienothiophene Bisimide-Based π-Conjugated Polymers: Improved Synthesis and Application to Organic Photovoltaics as P-Type Semiconductor. Bulletin of the Chemical Society of Japan, 2020, 93, 561-567.	3.2	4
111	Borylation and Stannylation Reactions with Tuning of Lewis Acidity. Chemical Record, 2021, , .	5.8	3
112	Recent Advances in Synthetic Transformations with Robust Yet Reactive B(Dan) Moiety. Heterocycles, 2021, 102 , .	0.7	2
113	Synthesis and Optical Properties of Pyridino End-Capped Oligothiophenes. Bulletin of the Chemical Society of Japan, 2011, 84, 1243-1247.	3.2	1
114	Copper-Catalyzed Metallation Reactions of Unsaturated Carbon-Carbon Bonds. Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry, 2015, 73, 632-648.	0.1	1
115	Platinum–P(BFPy)3-catalyzed regioselective diboration of terminal alkynes with (pin)B–B(aam). Organic Chemistry Frontiers, 0, , .	4.5	1
116	Base-Free Oxidative Homocoupling of Arylboronic Esters ChemInform, 2003, 34, no.	0.0	0
117	Activator-Free Oxidative Homocoupling of Organosilanes Catalyzed by a Palladium—DPPP Complex ChemInform, 2003, 34, no.	0.0	0
118	Palladium-Catalyzed Bissilylation of Arynes with Cyclic Disilanes: Synthesis of Benzo-Annulated Disilacarbocycles ChemInform, 2003, 34, no.	0.0	0
119	Arynes in a Three-Component Coupling Reaction: Straightforward Synthesis of Benzoannulated Iminofurans ChemInform, 2004, 35, no.	0.0	0
120	Distannylation of Strained Carbon?Carbon Triple Bonds Catalyzed by a Palladium Complex ChemInform, 2005, 36, no.	0.0	0
121	Thiostannylation of Arynes with Stannyl Sulfides: Synthesis and Reaction of 2-(Arylthio)arylstannanes ChemInform, 2005, 36, no.	0.0	0
122	A 2:1 Coupling Reaction of Arynes with Aldehydes via o-Quinone Methides: Straightforward Synthesis of 9-Arylxanthenes ChemInform, 2005, 36, no.	0.0	0
123	Straightforward Access to 2-Iminoisoindolines via Three-Component Coupling of Arynes, Isocyanides and Imines ChemInform, 2005, 36, no.	0.0	0
124	Addition of Silicon? Silicon? Bonds to Arynes or Bisarynes Catalyzed by a Palladium Complex ChemInform, 2005, 36, no.	0.0	0
125	Facile Synthesis of Polycyclic Aromatic Hydrocarbons via a Trisaryne Equivalent ChemInform, 2005, 36, no.	0.0	0
126	Facile Insertion Reaction of Arynes into Carbonâ€"Carbon Ïf-Bonds ChemInform, 2005, 36, no.	0.0	0

#	Article	IF	CITATIONS
127	Transition Metal Catalyzed Reactions or Electrophilic Coupling Reactions Using Arynes. ChemInform, 2005, 36, no.	0.0	O
128	Aminosilylation of Arynes with Aminosilanes: Synthesis of 2-Silylaniline Derivatives ChemInform, 2005, 36, no.	0.0	0
129	Aryne Insertion into α-Cyanocarbonyl Compounds: Direct Introduction of Carbonyl and Cyanomethyl Moieties into the Aromatic Skeletons ChemInform, 2006, 37, no.	0.0	0
130	HMPA-Free Generation of Trialkylsilyllithium Reagents and Its Applications to the Synthesis of Silylboronic Esters. Synthesis, 0, 53, .	2.3	0
131	Main-Group Organometallics Containing Boron or Tin that Open New Frontiers in Organic Synthesis. Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry, 2022, 80, 477-488.	0.1	0