

Fumitoshi Shibahara

List of Publications by Year in descending order

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2,723
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186265

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2118
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#	ARTICLE	IF	CITATIONS
1	Direct multiple C-H bond arylation reaction of heteroarenes catalyzed by cationic palladium complex bearing 1,10-phenanthroline. <i>Chemical Communications</i> , 2010, 46, 2471.	4.1	190
2	Diene Hydroacylation from the Alcohol or Aldehyde Oxidation Level via Ruthenium-Catalyzed C-C Bond-Forming Transfer Hydrogenation: Synthesis of β,β -Unsaturated Ketones. <i>Journal of the American Chemical Society</i> , 2008, 130, 14120-14122.	13.7	185
3	Ruthenium-Catalyzed C-C Bond Forming Transfer Hydrogenation: Carbonyl Allylation from the Alcohol or Aldehyde Oxidation Level Employing Acyclic 1,3-Dienes as Surrogates to Preformed Allyl Metal Reagents. <i>Journal of the American Chemical Society</i> , 2008, 130, 6338-6339.	13.7	182
4	Asymmetric Hydroformylation of Olefins in a Highly Cross-Linked Polymer Matrix. <i>Journal of the American Chemical Society</i> , 1998, 120, 4051-4052.	13.7	159
5	Direct Arylation of Simple Azoles Catalyzed by 1,10-Phenanthroline Containing Palladium Complexes: An Investigation of C4 Arylation of Azoles and the Synthesis of Triarylated Azoles by Sequential Arylation. <i>Journal of Organic Chemistry</i> , 2011, 76, 2680-2693.	3.2	122
6	Solvent-Free Asymmetric Olefin Hydroformylation Catalyzed by Highly Cross-Linked Polystyrene-Supported (R,S)-BINAPHOS-Rh(I) Complex. <i>Journal of the American Chemical Society</i> , 2003, 125, 8555-8560.	13.7	119
7	Synthesis of Fluorescent 1,3-Diarylated Imidazo[1,5-a]pyridines: Oxidative Condensation-Cyclization of Aryl-2-Pyridylmethylamines and Aldehydes with Elemental Sulfur as an Oxidant. <i>Journal of Organic Chemistry</i> , 2009, 74, 3566-3568.	3.2	117
8	Synthesis of 2-Azaindolizines by Using an Iodine-Mediated Oxidative Desulfurization Promoted Cyclization of N-2-Pyridylmethyl Thioamides and an Investigation of Their Photophysical Properties. <i>Organic Letters</i> , 2006, 8, 5621-5624.	4.6	115
9	Direct C-H Arylation of Heteroarenes Catalyzed by Palladium/ Nitrogen-Based Ligand Complexes. <i>Asian Journal of Organic Chemistry</i> , 2013, 2, 624-636.	2.7	88
10	Copper-Catalyzed C-H Bond Direct Chalcogenation of Aromatic Compounds Leading to Diaryl Sulfides, Selenides, and Diselenides by Using Elemental Sulfur and Selenium as Chalcogen Sources Under Oxidative Conditions. <i>Chemistry - an Asian Journal</i> , 2014, 9, 237-244.	3.3	84
11	Formation of C-C Bonds via Ruthenium-catalyzed Transfer Hydrogenation: Carbonyl Addition from the Alcohol or Aldehyde Oxidation Level. <i>Chemistry Letters</i> , 2008, 37, 1102-1107.	1.3	80
12	Synthesis of 1,3-diarylated imidazo[1,5-a]pyridines with a combinatorial approach: metal-catalyzed cross-coupling reactions of 1-halo-3-arylimidazo[1,5-a]pyridines with arylmetal reagents. <i>Tetrahedron</i> , 2009, 65, 5062-5073.	1.9	79
13	Palladium-Catalyzed C-H Bond Direct Alkynylation of 5-Membered Heteroarenes: A Well-Defined Synthetic Route to Azole Derivatives Containing Two Different Alkynyl Groups. <i>Journal of Organic Chemistry</i> , 2012, 77, 5381-5388.	3.2	78
14	Direct Thionation and Selenation of Amides Using Elemental Sulfur and Selenium and Hydrochlorosilanes in the Presence of Amines. <i>Organic Letters</i> , 2009, 11, 3064-3067.	4.6	76
15	1-Alkynyl- and 1-Alkenyl-3-arylimidazo[1,5-a]pyridines: Synthesis, Photophysical Properties, and Observation of a Linear Correlation between the Fluorescent Wavelength and Hammett Substituent Constants. <i>Journal of Organic Chemistry</i> , 2011, 76, 6146-6158.	3.2	70
16	One-pot Sequential Direct C-H Bond Arylation of Azoles Catalyzed by [Pd(phen) ₂](PF ₆) ₂ : Synthetic Methods for Triarylated Azoles. <i>Journal of Organic Chemistry</i> , 2012, 77, 8815-8820.	3.2	69
17	High-Pressure IR Studies on the Asymmetric Hydroformylation of Styrene Catalyzed by Rh(I)-(R,S)-BINAPHOS. <i>Organometallics</i> , 2003, 22, 594-600.	2.3	58
18	Substituent Effect in Asymmetric Hydroformylation of Olefins Catalyzed by Rhodium(I) Complexes of (R,S)-BINAPHOS Derivatives: A Protocol for Improvement of Regio- and Enantioselectivities. <i>Advanced Synthesis and Catalysis</i> , 2001, 343, 61-63.	4.3	55

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19	Asymmetric Hydroformylation of Olefins in Highly Crosslinked Polymer Matrixes. <i>Bulletin of the Chemical Society of Japan</i> , 1999, 72, 1911-1918.	3.2	50
20	Palladium(II)-Catalyzed Sequential Hydroxylation~Carboxylation of Biphenyl Using Formic Acid as a Carbonyl Source. <i>Organic Letters</i> , 2004, 6, 2437-2439.	4.6	48
21	Direct Sequential C3 and C1 Arylation Reaction of Imidazo[1,5- <i>a</i>]pyridine Catalyzed by a 1,10-Phenanthroline~Palladium Complex. <i>Chemistry Letters</i> , 2011, 40, 939-940.	1.3	47
22	N-Thioacyl 1,3-Amino Alcohols:~Synthesis via Ring-Opening of Oxiranes with Thioamide Dianions and Applications as Key Intermediates Leading to Stereochemically Defined 5,6-Dihydro-4H-1,3-oxazines and 1,3-Amino Alcohols. <i>Journal of Organic Chemistry</i> , 2005, 70, 8148-8153.	3.2	45
23	Facile Synthetic Method for Diverse Polyfunctionalized Imidazoles by Means of Pd-Catalyzed C~H Bond Arylation of <i>N</i> -Methyl-4,5-dibromoimidazole. <i>Journal of Organic Chemistry</i> , 2014, 79, 7185-7192.	3.2	40
24	Copper-catalyzed oxidative desulfurization~oxygenation of thiocarbonyl compounds using molecular oxygen: an efficient method for the preparation of oxygen isotopically labeled carbonyl compounds. <i>Chemical Communications</i> , 2007, , 2354-2356.	4.1	39
25	Imidazo[1,5- <i>a</i>]pyridin-3-ylidenes as ~accepting carbene ligands: substituent effects on properties of <i>N</i> -heterocyclic carbenes. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 1810-1820.	2.8	39
26	Direct C~H Bond Arylation of Thienyl Thioamides Catalyzed by Pd~Phenanthroline Complexes. <i>Organic Letters</i> , 2015, 17, 5392-5395.	4.6	37
27	Asymmetric hydroformylation with highly crosslinked polystyrene-supported (R,S)-BINAPHOS~Rh(I) complexes: the effect of immobilization position. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2002, 12, 1825-1827.	2.2	36
28	Iodo-cyclization of <i>N</i> -Homoallyl Thioamides Leading to 2,4-Diaryl-5,6-dihydro-4H-1,3-thiazines. <i>Chemistry Letters</i> , 2004, 33, 508-509.	1.3	31
29	Pd/phenanthroline-catalyzed arylative cyclization of <i>o</i> -(1-alkynyl)thioanisoles: synthesis of 3-arylated benzo[<i>b</i>]thiophenes. <i>Tetrahedron Letters</i> , 2016, 57, 2945-2948.	1.4	31
30	Iodine-mediated cyclization of <i>N</i> -thioacyl-1-(2-pyridyl)-1,2-aminoalcohols and their subsequent condensation leading to the formation of novel bis(1-imidazo[1,5- <i>a</i>]pyridyl)arylmethanes. <i>Chemical Communications</i> , 2009, , 7009.	4.1	27
31	Synthesis and Characterization of Boron Complexes of Imidazo[1,5- <i>a</i>]pyridylalkyl Alcohols. <i>Chemistry Letters</i> , 2013, 42, 828-830.	1.3	26
32	Copper-catalyzed Oxidative Desulfurization-promoted Intramolecular Cyclization of Thioamides Using Molecular Oxygen as an Oxidant: An Efficient Route to Five- to Seven-membered Nitrogen-containing Heterocycles. <i>Chemistry Letters</i> , 2008, 37, 646-647.	1.3	25
33	Synthesis of 1,1~Binaphthyl-2,2~diyl Phosphoroselenoic Amides and Their Conversion to Optically Pure Phosphoramidites. <i>Chemistry Letters</i> , 2006, 35, 1424-1425.	1.3	23
34	Synthesis of Chiral Selenazolines from <i>N</i> -Acylloxazolidinones via a Selenative Rearrangement of Chiral Cyclic Skeletons. <i>Organic Letters</i> , 2018, 20, 5826-5830.	4.6	20
35	Imidazo[1,5- <i>a</i>]pyridine-1-ylalkylalcohols: synthesis via intramolecular cyclization of <i>N</i> -thioacyl 1,2-aminoalcohols and their silyl ethers and molecular structures. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 4943.	2.8	19
36	Diastereo~and Regioselective Addition of Thioamide Dianions to Imines and Aziridines: Synthesis of <i>N</i> -Thioacyl~1,2~diamines and <i>N</i> -Thioacyl~1,3~diamines. <i>Chemistry - A European Journal</i> , 2013, 319, 304-313.	3.1	19

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37	Vapor-Phase Asymmetric Hydroformylation. <i>Chemistry Letters</i> , 2000, 29, 694-695.	1.3	17
38	Comparison of two preparative methods: a polymer-supported catalyst by metal-complexation with a polymeric ligand or by polymerization of a metal complex. <i>Green Chemistry</i> , 2005, 7, 256.	9.0	17
39	Rhodium(I) and iridium(I) imidazo[1,5-a]pyridine-1-ylalkylalkoxy complexes: Synthesis, characterization and application as catalysts for hydrosilylation of alkynes. <i>Journal of Organometallic Chemistry</i> , 2015, 794, 76-80.	1.8	17
40	Alternating copolymerization of ω -perfluoroalkyl-1-alkenes with carbon monoxide catalyzed by homogeneous and polymer-supported Pd-complexes. <i>Canadian Journal of Chemistry</i> , 2001, 79, 593-597.	1.1	17
41	Synthesis of 1,1'-Binaphthyl-2,2'-diyl Phosphoroselenoic Ammonium Salts and Their Conversion to Optically Active Dialkyl Diselenides. <i>Chemistry Letters</i> , 2007, 36, 852-853.	1.3	15
42	1-Substituted-imidazo[1,5- <i>a</i>]pyridin-3-ylidenes as Highly Efficient Ligands for Rh- and Ir-catalyzed Transfer Hydrogenation of Carbonyl Compounds. <i>Chemistry Letters</i> , 2016, 45, 1327-1329.	1.3	15
43	Transfer Semihydrogenation of Alkynes Catalyzed by Imidazo[1,5- <i>a</i>]pyrid-3-ylidene-Pd Complexes: Positive Effects of Electronic and Steric Features on N-Heterocyclic Carbene Ligands. <i>Bulletin of the Chemical Society of Japan</i> , 2020, 93, 332-337.	3.2	15
44	(Selenocarbamoyl)silanes and -germanes: Their Synthesis Using (Selenocarbamoyl)lithium and Characterization. <i>Organometallics</i> , 2010, 29, 2400-2402.	2.3	14
45	Sequential One-pot Reactions of Thioformates with Lithium Silylacetylides, Arylmagnesium Halides, and Electrophiles Leading to Formation of Propargyl Sulfides. <i>Chemistry Letters</i> , 2011, 40, 70-71.	1.3	11
46	Selenolactams as Synthetic Intermediates for the Synthesis of Polycyclic Amines via Seleno-Claisen Rearrangements. <i>Journal of Organic Chemistry</i> , 2018, 83, 3078-3089.	3.2	10
47	Alternating copolymerization of ω -perfluoroalkyl-1-alkenes with carbon monoxide catalyzed by homogeneous and polymer-supported Pd-complexes. <i>Canadian Journal of Chemistry</i> , 2001, 79, 593-597.	1.1	8
48	The First Selenium Isologues of 2-Pyrones and Coumarins: Synthesis, Structures, and Reactions. <i>Chemistry Letters</i> , 2017, 46, 1017-1019.	1.3	8
49	Chelation-Assisted Selective Direct C-H Bond Arylation of α -Thienylthioamide Catalyzed by Palladium-1,10-Phenanthroline Complexes. <i>Asian Journal of Organic Chemistry</i> , 2018, 7, 1323-1326.	2.7	8
50	Imidazo[1,5- <i>a</i>]pyridinylidenes as σ -Accepting NHC Ligands in Catalysis. <i>Chemistry Letters</i> , 2021, 50, 1892-1900.	1.3	7
51	Synthesis and properties of thieno[2,3-d:5,4- <i>d'</i>]bisthiazoles and their oxidized derivatives: Thionyl chloride as a sulfurative ring-fusing reagent towards thiophene-based ring-fused heteroaromatic compounds. <i>Tetrahedron</i> , 2021, 83, 131978.	1.9	6
52	Asymmetric Hydroformylation Catalyzed by Highly Cross-Linked Polystyrene-Supported (R,S)-BINAPHOS-Rh(I) Complexes. <i>Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry</i> , 2003, 61, 694-705.	0.1	5
53	Development of Organic Reactions by Means of Oxidative or Reductive Activation of Sulfur Atom. <i>Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry</i> , 2011, 69, 28-37.	0.1	5
54	Asymmetric Hydroformylation Catalyzed by Highly Cross-Linked Polystyrene-Supported (R,S)-BINAPHOS-Rh(I) Complexes. <i>ChemInform</i> , 2003, 34, no.	0.0	0

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55	Iodo-Cyclization of N-Homoallyl Thioamides Leading to 2,4-Diaryl-5,6-dihydro-4H-1,3-thiazines.. ChemInform, 2004, 35, no.	0.0	0
56	Palladium(II)-Catalyzed Sequential Hydroxylation”Carboxylation of Biphenyl Using Formic Acid as a Carbonyl Source.. ChemInform, 2004, 35, no.	0.0	0
57	N-Thioacyl 1,3-Amino Alcohols: Synthesis via Ring-Opening of Oxiranes with Thioamide Dianions and Applications as Key Intermediates Leading to Stereochemically Defined 5,6-Dihydro-4H-1,3-oxazines and 1,3-Amino Alcohols.. ChemInform, 2006, 37, no.	0.0	0
58	Direct Functionalizations of Carbon-Hydrogen Bonds Catalyzed by Palladium/Bidentate Nitrogen-based Ligand Complexes. Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry, 2019, 77, 776-790.	0.1	0