

Takashi Ikawa

List of Publications by Year in descending order

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62
papers

2,746
citations

201674

27
h-index

175258

52
g-index

84
all docs

84
docs citations

84
times ranked

2607
citing authors

#	ARTICLE	IF	CITATIONS
1	The Selective Reaction of Aryl Halides with KOH:Â Synthesis of Phenols, Aromatic Ethers, and Benzofurans. <i>Journal of the American Chemical Society</i> , 2006, 128, 10694-10695.	13.7	425
2	Monodentate Phosphines Provide Highly Active Catalysts for Pd-Catalyzed C-ÎN Bond-Forming Reactions of Heteroaromatic Halides/Amines and (H)N-Heterocycles. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 6523-6527.	13.8	279
3	Pd-Catalyzed Amidations of Aryl Chlorides Using Monodentate Biaryl Phosphine Ligands:â€% A Kinetic, Computational, and Synthetic Investigation. <i>Journal of the American Chemical Society</i> , 2007, 129, 13001-13007.	13.7	240
4	Highly chemoselective hydrogenation method using novel finely dispersed palladium catalyst on silk-fibroin: its preparation and activity. <i>Tetrahedron</i> , 2005, 61, 2217-2231.	1.9	106
5	Reductive and Catalytic Monoalkylation of Primary Amines Using Nitriles as an Alkylating Reagent. <i>Organic Letters</i> , 2004, 6, 4977-4980.	4.6	94
6	Synthesis of Biaryl Compounds through Threeâ€Component Assembly: Ambidentate Effect of the <i>tert</i> -Butyldimethylsilyl Group for Regioselective Dielsâ€Alder and Hiyama Coupling Reactions. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 7673-7676.	13.8	89
7	Partial Hydrogenation of Alkynes to <i>cis</i> -Olefins by Using a Novel Pd⁰-Polyethyleneimine Catalyst. <i>Chemistry - A European Journal</i> , 2008, 14, 5109-5111.	3.3	84
8	<i>ortho</i> -Selective Nucleophilic Addition of Primary Amines to Silylbenzynes: Synthesis of 2â€Silylanilines. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 5674-5677.	13.8	72
9	Regiocomplementary Cycloaddition Reactions of Boryl- and Silylbenzynes with 1,3-Dipoles: Selective Synthesis of Benzo-Fused Azole Derivatives. <i>Journal of Organic Chemistry</i> , 2013, 78, 2965-2983.	3.2	70
10	Preparation and Regioselective Dielsâ€Alder Reactions of Borylbenzynes: Synthesis of Functionalized Arylboronates. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 5563-5566.	13.8	69
11	1,3- and 1,4-Benzdiyne equivalents for regioselective synthesis of polycyclic heterocycles. <i>Chemical Science</i> , 2016, 7, 5206-5211.	7.4	59
12	Preparation of silk fibroin-supported Pd(0) catalyst for chemoselective hydrogenation: reduction of palladium(II) acetate by methanol on the protein. <i>Tetrahedron Letters</i> , 2003, 44, 171-174.	1.4	58
13	A Domino Process for Benzyne Preparation: Dual Activation of <i>o</i> -(Trimethylsilyl)phenols by Nonfluorobutanesulfonyl Fluoride. <i>Organic Letters</i> , 2011, 13, 1730-1733.	4.6	57
14	Evaluation of Aromatic Amination Catalyzed by Palladium on Carbon: A Practical Synthesis of Triarylamines. <i>Advanced Synthesis and Catalysis</i> , 2008, 350, 2767-2777.	4.3	54
15	Pd/C-Catalyzed Deoxygenation of Phenol Derivatives Using Mg Metal and MeOH in the Presence of NH ₄ OAc. <i>Organic Letters</i> , 2006, 8, 987-990.	4.6	53
16	Selective N-alkylation of amines using nitriles under hydrogenation conditions: facile synthesis of secondary and tertiary amines. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 293-304.	2.8	51
17	Solvent-modulated Pd/C-catalyzed deprotection of silyl ethers and chemoselective hydrogenation. <i>Tetrahedron</i> , 2004, 60, 6901-6911.	1.9	48
18	Unexpected deprotection of silyl and THP ethers induced by serious disparity in the quality of Pd/C catalysts and elucidation of the mechanism. <i>Tetrahedron</i> , 2004, 60, 6189-6195.	1.9	46

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19	Trifluoromethanesulfonyloxy-group-directed regioselective (3 + 2) cycloadditions of benzyne for the synthesis of functionalized benzo-fused heterocycles. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 520-526.	2.8	43
20	A remarkable solvent effect toward the Pd/C-catalyzed cleavage of silyl ethers Electronic supplementary information (ESI) available: characterization data and references and supplementary Tables 4 and 5. See http://www.rsc.org/suppdata/cc/b2/b211313a/ . <i>Chemical Communications</i> , 2003, , 654-655.	4.1	39
21	Mechanistic Study of a Pd/C-Catalyzed Reduction of Aryl Sulfonates Using the Mg/MeOH/NH ₄ OAc System. <i>Chemistry - A European Journal</i> , 2007, 13, 1432-1441.	3.3	39
22	Pd(0)-polyethyleneimine complex as a partial hydrogenation catalyst of alkynes to alkenes. <i>Journal of Molecular Catalysis A</i> , 2009, 307, 77-87.	4.8	39
23	Development of a highly efficient single-mode microwave applicator with a resonant cavity and its application to continuous flow syntheses. <i>RSC Advances</i> , 2015, 5, 10204-10210.	3.6	39
24	Markedly chemoselective hydrogenation with retention of benzyl ester and N-Cbz functions using a heterogeneous Pd-fibroin catalyst. <i>Tetrahedron Letters</i> , 2003, 44, 8437-8439.	1.4	36
25	Significant supplier-dependent disparity in catalyst activity of commercial Pd/C toward the cleavage of triethylsilyl ether. <i>Tetrahedron Letters</i> , 2003, 44, 7407-7410.	1.4	33
26	Generation of 3-borylbenzyne, their regioselective Diels-Alder reactions, and theoretical analysis. <i>Tetrahedron</i> , 2013, 69, 4338-4352.	1.9	32
27	ortho-Selective nucleophilic addition of amines to 3-borylbenzyne: synthesis of multisubstituted anilines by the triple role of the boryl group. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 8145.	2.8	31
28	2-[(Neopentyl glycolato)boryl]phenyl Triflates and Halides for Fluoride Ion-Mediated Generation of Functionalized Benzyne. <i>Advanced Synthesis and Catalysis</i> , 2015, 357, 2287-2300.	4.3	31
29	Aryl Boronic Esters Are Stable on Silica Gel and Reactive under Suzuki-Miyaura Coupling Conditions. <i>Organic Letters</i> , 2022, 24, 3510-3514.	4.6	28
30	Palladium on carbon-diethylamine-mediated hydrodeoxygenation of phenol derivatives under mild conditions. <i>Tetrahedron</i> , 2007, 63, 1270-1280.	1.9	26
31	Spatial effects of oxovanadium-immobilized mesoporous silica on racemization of alcohols and application in lipase-catalyzed dynamic kinetic resolution. <i>Catalysis Science and Technology</i> , 2016, 6, 5023-5030.	4.1	26
32	Synthesis of Fluorinated Aromatic Compounds by One-Pot Benzyne Generation and Nucleophilic Fluorination. <i>Australian Journal of Chemistry</i> , 2014, 67, 475.	0.9	25
33	2-(Trimethylsilyl)phenyl Trimethylsilyl Ethers as Stable and Readily Accessible Benzyne Precursors. <i>Journal of Organic Chemistry</i> , 2017, 82, 4242-4253.	3.2	25
34	Development of a Practical and Scalable Preparation using Sonication of Pd/Fibroin Catalyst for Chemoselective Hydrogenation. <i>Synthetic Communications</i> , 2007, 37, 4381-4388.	2.1	23
35	Preparation of optically active cycloalkenes bearing all-carbon quaternary stereogenic centres via lipase-oxovanadium combo-catalysed dynamic kinetic resolution. <i>Green Chemistry</i> , 2017, 19, 411-417.	9.0	21
36	Concise Synthesis of Multisubstituted Isoquinolines from Pyridines by Regioselective Diels-Alder Reactions of 2-silyl-3,4-pyridynes. <i>Chemistry - A European Journal</i> , 2014, 20, 16228-16232.	3.3	19

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37	Could London Dispersion Force Control Regioselective (2 + 2) Cyclodimerizations of Benzyne? YES: Application to the Synthesis of Helical Biphenylenes. <i>Journal of the American Chemical Society</i> , 2021, 143, 10853-10859.	13.7	19
38	3-(Triflyloxy)benzynes Enable the Regiocontrolled Cycloaddition of Cyclic Ureas to Synthesize 1,4-Benzodiazepine Derivatives. <i>Synlett</i> , 2018, 29, 943-948.	1.8	18
39	Experimental and Theoretical Studies on Regiocontrol of Benzyne Reactions Using Silyl and Boryl Directing Groups. <i>Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry</i> , 2012, 70, 1123-1133.	0.1	17
40	Novel deprotection method of Fmoc group under neutral hydrogenation conditions. <i>Amino Acids</i> , 2009, 36, 493-499.	2.7	16
41	Development of Highly Chemoselective Hydrogenation Using Novel Palladium(0)-Fibroin Catalyst. <i>Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry</i> , 2005, 63, 1218-1231.	0.1	14
42	Diversity Oriented Synthesis of Allocolchicinoids with Fluoro and/or Oxygen Substituent(s) on the C ₆ Ring from a Single Common Intermediate. <i>European Journal of Organic Chemistry</i> , 2016, 2016, 1562-1576.	2.4	14
43	Palladium-Catalyzed One-Pot Cross-Coupling of Phenols Using Nonfluorobutanesulfonyl Fluoride. <i>Synlett</i> , 2012, 23, 2241-2246.	1.8	13
44	One-Pot Generation of Benzyne from Phenols: Formation of Primary Anilines by the Deoxygenation of Phenols. <i>Chemistry - A European Journal</i> , 2020, 26, 4320-4332.	3.3	13
45	Discovery of Aromatic Components with Excellent Fragrance Properties and Biological Activities: β -Ionols with Antimelanogenic Effects and Their Asymmetric Syntheses. <i>Chemical and Pharmaceutical Bulletin</i> , 2013, 61, 310-314.	1.3	11
46	Microflow Fluorinations of Benzyne: Efficient Synthesis of Fluoroaromatic Compounds. <i>Chemical and Pharmaceutical Bulletin</i> , 2018, 66, 1153-1164.	1.3	9
47	Four-Step One-Pot Catalytic Asymmetric Synthesis of Polysubstituted Tricyclic Compounds: Lipase-Catalyzed Dynamic Kinetic Resolution Followed by an Intramolecular Diels-Alder Reaction. <i>Synlett</i> , 2021, 32, 822-828.	1.8	9
48	A Practical and One-Pot Procedure for the Synthesis of 3-Amino-2-cyclohexen-1-one from 3-Aminophenol. <i>Organic Process Research and Development</i> , 2005, 9, 219-220.	2.7	8
49	One-Pot Generation of Functionalized Benzyne from Readily Available 2-Hydroxyphenylboronic Acids. <i>Journal of Organic Chemistry</i> , 2020, 85, 3383-3392.	3.2	8
50	Synthesis of Optically Active 2,3-Disubstituted Indoline Derivatives through Cycloaddition Reactions between Benzyne and β,β -Unsaturated β -Aminobutyronitriles. <i>Synlett</i> , 2018, 29, 530-536.	1.8	6
51	Dress-up chiral columns for the enantioseparation of amino acids based on fluoros separation. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 8121-8129.	3.7	5
52	Regioselective Rearrangement of 4,4-Disubstituted 2-Hydroxycyclohexa-2,5-Dienones under Deoxyfluorination Conditions. <i>Journal of Organic Chemistry</i> , 2017, 82, 13141-13151.	3.2	5
53	Platinum on carbon-catalysed site-selective H/D exchange reaction of allylic alcohols using alkyl amines as a hydrogen source. <i>Organic Chemistry Frontiers</i> , 2022, 9, 1986-1991.	4.5	3
54	Synthetic Studies on the Viridin Skeleton through Regio- and Stereoselective Functionalization of the AE-Ring Moiety. <i>Synlett</i> , 2021, 32, 1187-1191.	1.8	2

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55	Highly Selective Synthesis of cis-2,2,4,4-tetramethylcyclobutane-1,3-diol via Solvent-Free Hydrogenation and Isomerization. <i>Asian Journal of Organic Chemistry</i> , 0, , .	2.7	1
56	Preparation of Silk Fibroin-Supported Pd(0) Catalyst for Chemoselective Hydrogenation: Reduction of Palladium(II) Acetate by Methanol on the Protein.. <i>ChemInform</i> , 2003, 34, no.	0.0	0
57	Markedly Chemoselective Hydrogenation with Retention of Benzyl Ester and N-Cbz Functions Using a Heterogeneous Pd-Fibroin Catalyst.. <i>ChemInform</i> , 2004, 35, no.	0.0	0
58	Solvent-Modulated Pd/C-Catalyzed Deprotection of Silyl Ethers and Chemoselective Hydrogenation.. <i>ChemInform</i> , 2004, 35, no.	0.0	0
59	Reductive and Catalytic Monoalkylation of Primary Amines Using Nitriles as an Alkylating Reagent.. <i>ChemInform</i> , 2005, 36, no.	0.0	0
60	Highly Chemoselective Hydrogenation Method Using Novel Finely Dispersed Palladium Catalyst on Silk-Fibroin: Its Preparation and Activity.. <i>ChemInform</i> , 2005, 36, no.	0.0	0
61	Highly Chemoselective Hydrogenation Method Using Novel Finely Dispersed Palladium Catalyst on Silk-Fibroin: Its Preparation and Activity.. <i>ChemInform</i> , 2005, 36, no.	0.0	0
62	Catalytic Intramolecular Cyclization of Alkynyl Cyclic Acetals via Chemoselective Activation Leading to a Phenanthrene Core. <i>Bulletin of the Chemical Society of Japan</i> , 2022, 95, 735-742.	3.2	0