Takuya Hashimoto

List of Publications by Year in descending order

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76 papers	6,272 citations	81743 39 h-index	66788 78 g-index
131 all docs	131 docs citations	131 times ranked	4135 citing authors

#	Article	IF	Citations
1	Recent Advances of Catalytic Asymmetric 1,3-Dipolar Cycloadditions. Chemical Reviews, 2015, 115, 5366-5412.	23.0	824
2	Recent Development and Application of Chiral Phase-Transfer Catalysts. Chemical Reviews, 2007, 107, 5656-5682.	23.0	723
3	Design of Axially Chiral Dicarboxylic Acid for Asymmetric Mannich Reaction of Arylaldehyde N-Boc Imines and Diazo Compounds. Journal of the American Chemical Society, 2007, 129, 10054-10055.	6.6	216
4	Binaphthylâ€Modified Quaternary Phosphonium Salts as Chiral Phaseâ€Transfer Catalysts: Asymmetric Amination of Î²â€Keto Esters. Angewandte Chemie - International Edition, 2008, 47, 9466-9468.	7.2	199
5	Phase-transfer-catalysed asymmetric synthesis of tetrasubstituted allenes. Nature Chemistry, 2013, 5, 240-244.	6.6	183
6	Bis(((S)-binaphthoxy)(isopropoxy)titanium) Oxide as a Î¼-Oxo-Type Chiral Lewis Acid:Â Application to Catalytic Asymmetric Allylation of Aldehydes. Journal of the American Chemical Society, 2003, 125, 1708-1709.	6.6	181
7	Enantioselective 1,3-Dipolar Cycloaddition Reaction between Diazoacetates and Î±-Substituted Acroleins:Â Total Synthesis of Manzacidin A. Journal of the American Chemical Society, 2006, 128, 2174-2175.	6.6	175
8	An organic thiyl radical catalyst for enantioselective cyclization. Nature Chemistry, 2014, 6, 702-705.	6.6	170
9	Catalytic Enantioselective 1,3-Dipolar Cycloaddition of C,N-Cyclic Azomethine Imines with Î±,Î²-Unsaturated Aldehydes. Journal of the American Chemical Society, 2010, 132, 4076-4077.	6.6	166
10	Asymmetric Inverseâ€Electronâ€Demand 1,3â€Dipolar Cycloaddition of C,Nâ€Cyclic Azomethine Imines: An Umpolung Strategy. Angewandte Chemie - International Edition, 2011, 50, 3489-3492.	7.2	150
11	Asymmetric 1,3-Dipolar Cycloaddition Reaction of Nitrones and Acrolein with a Bis-Titanium Catalyst as Chiral Lewis Acid. Journal of the American Chemical Society, 2005, 127, 11926-11927.	6.6	135
12	Trans-Selective Asymmetric Aziridination of Diazoacetamides and N-Boc Imines Catalyzed by Axially Chiral Dicarboxylic Acid. Journal of the American Chemical Society, 2008, 130, 14380-14381.	6.6	135
13	Catalytic Asymmetric Alkynylation of C1â€Substituted C,Nâ€Cyclic Azomethine Imines by Cu^I/Chiral BrÃ¸nsted Acid Coâ€Catalyst. Angewandte Chemie - International Edition, 2011, 50, 8952-8955.	7.2	135
14	Catalytic Enantioselective 1,3-Dipolar Cycloaddition of C,N-Cyclic Azomethine Imines with Î±,Î²-Unsaturated Aldehydes. Journal of the American Chemical Society, 2010, 132, 11824-11824.	6.6	110
15	Chiral BrÃ¸nsted Acid-Catalyzed Asymmetric Trisubstituted Aziridine Synthesis Using Î±-Diazoacyl Oxazolidinones. Journal of the American Chemical Society, 2011, 133, 9730-9733.	6.6	105
16	A Chiral Electrophilic Selenium Catalyst for Highly Enantioselective Oxidative Cyclization. Journal of the American Chemical Society, 2016, 138, 5206-5209.	6.6	104
17	Generation and exploitation of acyclic azomethine imines in chiral BrÃ¸nsted acid catalysis. Nature Chemistry, 2011, 3, 642-646.	6.6	103
18	Asymmetric Imino Aza-enamine Reaction Catalyzed by Axially Chiral Dicarboxylic Acid: Use of Arylaldehyde N,N-Dialkylhydrazones as Acyl Anion Equivalent. Journal of the American Chemical Society, 2008, 130, 7556-7557.	6.6	100

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19	Desymmetrizing Asymmetric Ring Expansion of Cyclohexanones with Î±-Diazoacetates Catalyzed by Chiral Aluminum Lewis Acid. Journal of the American Chemical Society, 2011, 133, 8834-8837.	6.6	99
20	BrÃ¸nsted Acid-Catalyzed Insertion of Aryldiazoacetates to sp² Carbonâ^'CHO Bond:â€‰ Facile Construction of Chiral All-Carbon Quaternary Center. Journal of the American Chemical Society, 2008, 130, 2434-2435.	6.6	97
21	A Catalytic Asymmetric Ugiâ€type Reaction With Acyclic Azomethine Imines. Angewandte Chemie - International Edition, 2012, 51, 7279-7281.	7.2	89
22	Stereoselective Construction of Seven-Membered Rings with an All-Carbon Quaternary Center by Direct Tiffeneauâ^'Demjanov-type Ring Expansion. Journal of the American Chemical Society, 2009, 131, 6614-6617.	6.6	87
23	Catalytic Asymmetric Allylation of Aldehydes and Related Reactions with Bis(((S)-binaphthoxy)(isopropoxy)titanium) Oxide as aÎ¼-Oxo-Type Chiral Lewis Acid. Chemistry - A European Journal, 2003, 9, 4405-4413.	1.7	86
24	Enantioselective Formal Alkenylations of Imines Catalyzed by Axially Chiral Dicarboxylic Acid Using Vinylogous Azaâ€Enamines. Angewandte Chemie - International Edition, 2010, 49, 6844-6847.	7.2	76
25	Axially Chiral Dicarboxylic Acid Catalyzed Activation of Quinone Imine Ketals: Enantioselective Arylation of Enecarbamates. Journal of the American Chemical Society, 2013, 135, 16010-16013.	6.6	76
26	Stereoselective Synthesis of Î±-Alkyl-Î²-keto Imides via Asymmetric Redox Câ^'C Bond Formation between Î±-Alkyl-Î±-diazocarbonyl Compounds and Aldehydes. Journal of the American Chemical Society, 2009, 131, 11280-11281.	6.6	73
27	Synthetic Application and Structural Elucidation of Axially Chiral Dicarboxylic Acid: Asymmetric Mannich-type Reaction with Diazoacetate, (Diazomethyl)phosphonate, and (Diazomethyl)sulfone. Journal of Organic Chemistry, 2011, 76, 6030-6037.	1.7	70
28	Indanolâ€Based Chiral Organoiodine Catalysts for Enantioselective Hydrative Dearomatization. Angewandte Chemie - International Edition, 2018, 57, 7200-7204.	7.2	70
29	Catalytic Asymmetric Three-Component 1,3-Dipolar Cycloaddition of Aldehydes, Hydrazides, and Alkynes. Journal of the American Chemical Society, 2013, 135, 11473-11476.	6.6	66
30	A Bulky Thiylâ€Radical Catalyst for the [3+2] Cyclization of Nâ€Tosyl Vinylaziridines and Alkenes. Angewandte Chemie - International Edition, 2016, 55, 8081-8085.	7.2	65
31	Asymmetric 1,3-Dipolar Cycloadditions of Nitrones and Methacrolein Catalyzed by Chiral Bis-Titanium Lewis Acid:â€‰ A Dramatic Effect of N-Substituent on Nitrone. Organic Letters, 2007, 9, 4805-4808.	2.4	63
32	Î±â€Chiral Acetylenes Having an Allâ€Carbon Quaternary Center: Phase Transfer Catalyzed Enantioselective Î±â€…Alkylation of Î±â€Alkylâ€Î±â€alkynyl Esters. Angewandte Chemie - International Edition, 2009, 48, 5014-5017.	7.2	62
33	In Situ Assembled Boronate Ester Assisted Chiral Carboxylic Acid Catalyzed Asymmetric Trans-Aziridinations. Journal of the American Chemical Society, 2013, 135, 17667-17670.	6.6	58
34	Syntheses of manzacidins: a stage for the demonstration of synthetic methodologies. Organic and Biomolecular Chemistry, 2008, 6, 829-835.	1.5	54
35	Symmetrical 4,4â€²,6,6â€²-tetraarylbinaphthyl-substituted ammonium bromide as a new, chiral phase-transfer catalyst. Tetrahedron: Asymmetry, 2003, 14, 1599-1602.	1.8	48
36	Catalytic Asymmetric Dielsâ€“Alder Reaction of Quinone Imine Ketals: A Siteâ€Divergent Approach. Angewandte Chemie - International Edition, 2015, 54, 4617-4621.	7.2	47

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37	Substituent effect of binaphthyl-modified spiro-type chiral phase-transfer catalysts. Tetrahedron Letters, 2003, 44, 3313-3316.	0.7	46
38	Stereoselective Synthesis of Trisubstituted Aziridines with N-Î±-Diazoacyl Camphorsultam. Organic Letters, 2010, 12, 1668-1671.	2.4	40
39	Desymmetrizing asymmetric ring expansion: stereoselective synthesis of 7-membered cyclic Î²-keto carbonyl compounds with an Î±-hydrogen. Chemical Communications, 2010, 46, 6810.	2.2	36
40	Construction of stereodefined 1,1,2,2-tetrasubstituted cyclopropanes by acid catalyzed reaction of aryldiazoacetates and Î±-substituted acroleins. Chemical Communications, 2007, , 5143.	2.2	35
41	Development of Synthetic Transformations by Control of Acid-Catalyzed Reactions of Diazocarbonyl Compounds. Bulletin of the Chemical Society of Japan, 2013, 86, 1217-1230.	2.0	33
42	Boronic Acid-Catalyzed, Highly Enantioselective Aza-Michael Additions of Hydroxamic Acid to Quinone Imine Ketals. Journal of the American Chemical Society, 2015, 137, 16016-16019.	6.6	33
43	Organoiodine-Catalyzed Enantioselective Intermolecular Oxyamination of Alkenes. Journal of the American Chemical Society, 2021, 143, 1745-1751.	6.6	33
44	Phase-transfer catalyzed asymmetric synthesis of Î±,Î²-unsaturated Î³,Î³-disubstituted Î³-lactams. Chemical Communications, 2017, 53, 4779-4782.	2.2	32
45	Alkylative kinetic resolution of vicinal diols under phase-transfer conditions: a chiral ammonium borinate catalysis. Chemical Science, 2018, 9, 1231-1235.	3.7	32
46	Asymmetric 1,3â€Dipolar Cycloadditions of Nâ€Benzyl and Nâ€Diphenylmethyl Nitrones and Î±,Î²â€Unsaturated Aldehydes Catalyzed by Bisâ€Titanium Chiral Lewis Acids. Chemistry - an Asian Journal, 2008, 3, 407-412.	1.7	29
47	Design of Binaphthylâ€Modified Symmetrical Chiral Phaseâ€Transfer Catalysts: Substituent Effect of 4,4â€²,6,6â€²â€Positions of Binaphthyl Rings in the Asymmetric Alkylation of a Glycine Derivative. Chemistry - an Asian Journal, 2007, 2, 1276-1281.	1.7	27
48	Phaseâ€Transferâ€Catalyzed Asymmetric Alkylation of Î±â€Benzoyloxyâ€Î²â€keto Esters: Stereoselective Construction of Congested 2,3â€Dihydroxycarboxylic Acid Esters. Chemistry - an Asian Journal, 2010, 5, 562-570.	1.7	26
49	6,6â€²-Substituent effect of BINOL in bis-titanium chiral Lewis acid catalyzed 1,3-dipolar cycloaddition of nitrones. Organic and Biomolecular Chemistry, 2008, 6, 2263.	1.5	25
50	Axially chiral dicarboxylic acid-catalyzed asymmetric imino aza-enamine reaction/oxidation as a Strecker reaction surrogate. Tetrahedron: Asymmetry, 2010, 21, 1187-1188.	1.8	25
51	Asymmetric Trisubstituted Aziridination of Aldimines and Ketimines using Nâ€Î±â€Diazoacyl Camphorsultams. Chemistry - an Asian Journal, 2011, 6, 607-613.	1.7	25
52	Catalytic, Enantioselective Hetero-Diels-Alder Reaction with Novel, Chiral Bis-Titanium(IV) Catalyst. Synlett, 2002, 2002, 0931-0932.	1.0	24
53	Catalytic enantioselective intramolecular cyclization of N-aryl diazoamides using a titaniumâ€“BINOLate complex. Chemical Communications, 2014, 50, 3220-3223.	2.2	23
54	Hyperpolarized ¹³C Magnetic Resonance Imaging of Fumarate Metabolism by Parahydrogenâ€induced Polarization: A Proofâ€ofâ€Concept inâ€…vivo Study. ChemPhysChem, 2021, 22, 915-923.	1.0	22

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55	Development of 5-silylethynyl-1,3-dioxolan-4-one as a new prochiral template for asymmetric phase-transfer catalysis. Chemical Communications, 2010, 46, 7593.	2.2	21
56	Indanolâ€Based Chiral Organoiodine Catalysts for Enantioselective Hydrative Dearomatization. Angewandte Chemie, 2018, 130, 7318-7322.	1.6	20
57	Axially chiral dicarboxylic acid catalyzed asymmetric semipinacol rearrangement of cyclic Î²-hydroxy-Î±-diazo esters. Tetrahedron, 2012, 68, 7630-7635.	1.0	19
58	A Bulky Thiylâ€Radical Catalyst for the [3+2] Cyclization of Nâ€Tosyl Vinylaziridines and Alkenes. Angewandte Chemie, 2016, 128, 8213-8217.	1.6	17
59	Design of an Axially Chiral Dicarboxylic Acid and Its Application in Syntheses of Optically Active Î²-Amino Acids and Î²-Amino Phosphonic Acid Derivatives. Synthesis, 2008, 2008, 3703-3706.	1.2	16
60	Development of a Practical Synthetic Method for N-tert-Butoxycarbonyl Î±-Ketimino Esters. Chemistry Letters, 2011, 40, 326-327.	0.7	15
61	Modular Synthesis of Axially Chiral 3,3â€²â€Disilyl Dicarboxylic Acids by Silalactones. Chemistry - an Asian Journal, 2011, 6, 1936-1938.	1.7	12
62	Long-range heteronuclear J-coupling constants in esters: Implications for 13C metabolic MRI by side-arm parahydrogen-induced polarization. Journal of Magnetic Resonance, 2018, 296, 85-92.	1.2	12
63	Scalable Synthesis of a Chiral Selenium Ï€-Acid Catalyst and Its Use in Enantioselective Iminolactonization of Î²,Î³-Unsaturated Amides. Synlett, 2019, 30, 1679-1682.	1.0	12
64	Phaseâ€Transferâ€Catalyzed Olefin Isomerization/Î±â€Alkylation of Î±â€Alkynylcrotonates as a Route for 1,4â€Enynes. Advanced Synthesis and Catalysis, 2010, 352, 1653-1656.	2.1	10
65	The Basic Principle of Phase-Transfer Catalysis and Some Mechanistic Aspects. , 0, , 1-8.		9
66	Phase-transfer-catalysed asymmetric synthesis of 2,2-disubstituted 1,4-benzoxazin-3-ones. Chemical Communications, 2018, 54, 7078-7080.	2.2	9
67	Development of Axially Chiral Dicarboxylic Acid Catalyzed Asymmetric Transformations. Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry, 2013, 71, 472-479.	0.0	8
68	An N-Fluorinated Imide for Practical Catalytic Imidations. Journal of the American Chemical Society, 2022, 144, 2107-2113.	6.6	7
69	Enantioselective Hydrative paraâ€Dearomatization of Sulfonanilides by an Indanolâ€based Chiral Organoiodine Catalyst. Asian Journal of Organic Chemistry, 2021, 10, 1638-1642.	1.3	6
70	Organoiodine-Catalyzed Enantioselective Intramolecular OxyÂaminations of Alkenes with N-(Fluorosulfonyl)carbamate. Synthesis, 2021, 53, 2594-2601.	1.2	5
71	Phase-Transfer-Catalyzed Enantioselective Alkylation of Î±-Benzoyloxy-Î²-Keto Ester. Synlett, 2009, 2009, 661-663.	1.0	1
72	Bis(((S)-binaphthoxy)(isopropoxy)titanium) Oxide as a Î¼-Oxo-Type Chiral Lewis Acid: Application to Catalytic Asymmetric Allylation of Aldehydes.. ChemInform, 2003, 34, no.	0.1	0

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73	Symmetrical 4,4â€²,6,6â€²-Tetraarylbinaphthyl-Substituted Ammonium Bromide as a New, Chiral Phase-Transfer Catalyst.. ChemInform, 2003, 34, no.	0.1	0
74	Catalytic Asymmetric Allylation of Aldehydes and Related Reactions with Bis(((S)-binaphthoxy)(isopropoxy)titanium) Oxide as a Î¼-Oxo-Type Chiral Lewis Acid.. ChemInform, 2004, 35, no.	0.1	0
75	Asymmetric 1,3-Dipolar Cycloaddition Reaction of Nitrones and Acrolein with a Bis-Titanium Catalyst as Chiral Lewis Acid.. ChemInform, 2006, 37, no.	0.1	0
76	Hyperpolarized 13 C Magnetic Resonance Imaging of Fumarate Metabolism by Parahydrogenâ€induced Polarization: A Proofâ€ofâ€Concept inâ€…vivo Study. ChemPhysChem, 2021, 22, 905-905.	1.0	0