

# Takuya Hashimoto

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5728286/publications.pdf>

Version: 2024-02-01

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	An <i>N</i> -Fluorinated Imide for Practical Catalytic Imidations. <i>Journal of the American Chemical Society</i> , 2022, 144, 2107-2113.	6.6	7
2	Organoiodine-Catalyzed Enantioselective Intermolecular Oxyamination of Alkenes. <i>Journal of the American Chemical Society</i> , 2021, 143, 1745-1751.	6.6	33
3	Hyperpolarized <sup>13</sup> C Magnetic Resonance Imaging of Fumarate Metabolism by Parahydrogen-Induced Polarization: A Proof-of-Concept <i>in vivo</i> Study. <i>ChemPhysChem</i> , 2021, 22, 1.0 915-923.	1.0	22
4	Enantioselective Hydrative Dearomatization of Sulfonanilides by an Indanol-Based Chiral Organoiodine Catalyst. <i>Asian Journal of Organic Chemistry</i> , 2021, 10, 1638-1642.	1.3	6
5	Organoiodine-Catalyzed Enantioselective Intramolecular Oxyaminations of Alkenes with <i>N</i> -(Fluorosulfonyl)carbamate. <i>Synthesis</i> , 2021, 53, 2594-2601.	1.2	5
6	Hyperpolarized <sup>13</sup> C Magnetic Resonance Imaging of Fumarate Metabolism by Parahydrogen-Induced Polarization: A Proof-of-Concept <i>in vivo</i> Study. <i>ChemPhysChem</i> , 2021, 22, 905-905.	1.0	0
7	Scalable Synthesis of a Chiral Selenium $\pi$ -Acid Catalyst and Its Use in Enantioselective Iminolactonization of $\alpha,\beta$ -Unsaturated Amides. <i>Synlett</i> , 2019, 30, 1679-1682.	1.0	12
8	Indanol-Based Chiral Organoiodine Catalysts for Enantioselective Hydrative Dearomatization. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 7200-7204.	7.2	70
9	Indanol-Based Chiral Organoiodine Catalysts for Enantioselective Hydrative Dearomatization. <i>Angewandte Chemie</i> , 2018, 130, 7318-7322.	1.6	20
10	Alkylative kinetic resolution of vicinal diols under phase-transfer conditions: a chiral ammonium borinate catalysis. <i>Chemical Science</i> , 2018, 9, 1231-1235.	3.7	32
11	Long-range heteronuclear <i>J</i> -coupling constants in esters: Implications for <sup>13</sup> C metabolic MRI by side-arm parahydrogen-induced polarization. <i>Journal of Magnetic Resonance</i> , 2018, 296, 85-92.	1.2	12
12	Phase-transfer-catalysed asymmetric synthesis of 2,2-disubstituted 1,4-benzoxazin-3-ones. <i>Chemical Communications</i> , 2018, 54, 7078-7080.	2.2	9
13	Phase-transfer catalyzed asymmetric synthesis of $\alpha,\beta$ -unsaturated $\alpha,\beta$ -disubstituted $\beta$ -lactams. <i>Chemical Communications</i> , 2017, 53, 4779-4782.	2.2	32
14	A Bulky Thiyl Radical Catalyst for the [3+2] Cyclization of <i>N</i> -Tosyl Vinylaziridines and Alkenes. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 8081-8085.	7.2	65
15	A Chiral Electrophilic Selenium Catalyst for Highly Enantioselective Oxidative Cyclization. <i>Journal of the American Chemical Society</i> , 2016, 138, 5206-5209.	6.6	104
16	A Bulky Thiyl Radical Catalyst for the [3+2] Cyclization of <i>N</i> -Tosyl Vinylaziridines and Alkenes. <i>Angewandte Chemie</i> , 2016, 128, 8213-8217.	1.6	17
17	Boronic Acid-Catalyzed, Highly Enantioselective Aza-Michael Additions of Hydroxamic Acid to Quinone Imine Ketals. <i>Journal of the American Chemical Society</i> , 2015, 137, 16016-16019.	6.6	33
18	Catalytic Asymmetric Diels-Alder Reaction of Quinone Imine Ketals: A Site-Divergent Approach. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 4617-4621.	7.2	47

#	ARTICLE	IF	CITATIONS
19	Recent Advances of Catalytic Asymmetric 1,3-Dipolar Cycloadditions. <i>Chemical Reviews</i> , 2015, 115, 5366-5412.	23.0	824
20	An organic thiyl radical catalyst for enantioselective cyclization. <i>Nature Chemistry</i> , 2014, 6, 702-705.	6.6	170
21	Catalytic enantioselective intramolecular cyclization of N-aryl diazoamides using a titanium-BINOLate complex. <i>Chemical Communications</i> , 2014, 50, 3220-3223.	2.2	23
22	Catalytic Asymmetric Three-Component 1,3-Dipolar Cycloaddition of Aldehydes, Hydrazides, and Alkynes. <i>Journal of the American Chemical Society</i> , 2013, 135, 11473-11476.	6.6	66
23	Axially Chiral Dicarboxylic Acid Catalyzed Activation of Quinone Imine Ketals: Enantioselective Arylation of Enecarbamates. <i>Journal of the American Chemical Society</i> , 2013, 135, 16010-16013.	6.6	76
24	In Situ Assembled Boronate Ester Assisted Chiral Carboxylic Acid Catalyzed Asymmetric Trans-Aziridinations. <i>Journal of the American Chemical Society</i> , 2013, 135, 17667-17670.	6.6	58
25	Phase-transfer-catalysed asymmetric synthesis of tetrasubstituted allenes. <i>Nature Chemistry</i> , 2013, 5, 240-244.	6.6	183
26	Development of Synthetic Transformations by Control of Acid-Catalyzed Reactions of Diazocarbonyl Compounds. <i>Bulletin of the Chemical Society of Japan</i> , 2013, 86, 1217-1230.	2.0	33
27	Development of Axially Chiral Dicarboxylic Acid Catalyzed Asymmetric Transformations. <i>Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry</i> , 2013, 71, 472-479.	0.0	8
28	Axially chiral dicarboxylic acid catalyzed asymmetric semipinacol rearrangement of cyclic $\beta^2$ -hydroxy- $\alpha$ -diazo esters. <i>Tetrahedron</i> , 2012, 68, 7630-7635.	1.0	19
29	A Catalytic Asymmetric Ugi-type Reaction With Acyclic Azomethine Imines. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 7279-7281.	7.2	89
30	Desymmetrizing Asymmetric Ring Expansion of Cyclohexanones with $\beta^2$ -Diazoacetates Catalyzed by Chiral Aluminum Lewis Acid. <i>Journal of the American Chemical Society</i> , 2011, 133, 8834-8837.	6.6	99
31	Chiral Brønsted Acid-Catalyzed Asymmetric Trisubstituted Aziridine Synthesis Using $\beta^2$ -Diazoacyl Oxazolidinones. <i>Journal of the American Chemical Society</i> , 2011, 133, 9730-9733.	6.6	105
32	Synthetic Application and Structural Elucidation of Axially Chiral Dicarboxylic Acid: Asymmetric Mannich-type Reaction with Diazoacetate, (Diazomethyl)phosphonate, and (Diazomethyl)sulfone. <i>Journal of Organic Chemistry</i> , 2011, 76, 6030-6037.	1.7	70
33	Development of a Practical Synthetic Method for <i>tert</i> -Butoxycarbonyl $\beta^2$ -Ketimino Esters. <i>Chemistry Letters</i> , 2011, 40, 326-327.	0.7	15
34	Asymmetric Trisubstituted Aziridination of Aldimines and Ketimines using $\beta^2$ -Diazoacyl Camphorsultams. <i>Chemistry - an Asian Journal</i> , 2011, 6, 607-613.	1.7	25
35	Modular Synthesis of Axially Chiral 3,3-Diisilyl Dicarboxylic Acids by Silalactones. <i>Chemistry - an Asian Journal</i> , 2011, 6, 1936-1938.	1.7	12
36	Generation and exploitation of acyclic azomethine imines in chiral Brønsted acid catalysis. <i>Nature Chemistry</i> , 2011, 3, 642-646.	6.6	103

#	ARTICLE	IF	CITATIONS
37	Asymmetric Inverse-Electron-Demand 1,3-Dipolar Cycloaddition of C,N-Cyclic Azomethine Imines: An Umpolung Strategy. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 3489-3492.	7.2	150
38	Catalytic Asymmetric Alkynylation of C1-Substituted C,N-Cyclic Azomethine Imines by Cu <sup>I</sup> /Chiral Brønsted Acid Co-Catalyst. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 8952-8955.	7.2	135
39	Phase-Transfer-Catalyzed Asymmetric Alkylation of $\beta$ -Benzoyloxy $\alpha$ -keto Esters: Stereoselective Construction of Congested 2,3-Dihydroxycarboxylic Acid Esters. <i>Chemistry - an Asian Journal</i> , 2010, 5, 562-570.	1.7	26
40	Axially chiral dicarboxylic acid-catalyzed asymmetric imino aza-enamine reaction/oxidation as a Strecker reaction surrogate. <i>Tetrahedron: Asymmetry</i> , 2010, 21, 1187-1188.	1.8	25
41	Phase-Transfer-Catalyzed Olefin Isomerization/Alkylation of $\beta$ -Alkynylcrotonates as a Route for 1,4-Enynes. <i>Advanced Synthesis and Catalysis</i> , 2010, 352, 1653-1656.	2.1	10
42	Enantioselective Formal Alkenylations of Imines Catalyzed by Axially Chiral Dicarboxylic Acid Using Vinylogous Aza-Enamines. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 6844-6847.	7.2	76
43	Stereoselective Synthesis of Trisubstituted Aziridines with <i>N</i> - $\beta$ -Diazoacyl Camphorsultam. <i>Organic Letters</i> , 2010, 12, 1668-1671.	2.4	40
44	Catalytic Enantioselective 1,3-Dipolar Cycloaddition of C,N-Cyclic Azomethine Imines with $\beta,\gamma$ -Unsaturated Aldehydes. <i>Journal of the American Chemical Society</i> , 2010, 132, 4076-4077.	6.6	166
45	Development of 5-silylethynyl-1,3-dioxolan-4-one as a new prochiral template for asymmetric phase-transfer catalysis. <i>Chemical Communications</i> , 2010, 46, 7593.	2.2	21
46	Catalytic Enantioselective 1,3-Dipolar Cycloaddition of C,N-Cyclic Azomethine Imines with $\beta,\gamma$ -Unsaturated Aldehydes. <i>Journal of the American Chemical Society</i> , 2010, 132, 11824-11824.	6.6	110
47	Desymmetrizing asymmetric ring expansion: stereoselective synthesis of 7-membered cyclic $\beta$ -keto carbonyl compounds with an $\alpha$ -hydrogen. <i>Chemical Communications</i> , 2010, 46, 6810.	2.2	36
48	Phase-Transfer-Catalyzed Enantioselective Alkylation of $\beta$ -Benzoyloxy $\alpha$ -Keto Ester. <i>Synlett</i> , 2009, 2009, 661-663.	1.0	1
49	$\beta$ -Chiral Acetylenes Having an All-Carbon Quaternary Center: Phase Transfer Catalyzed Enantioselective $\beta$ -Alkylation of $\beta$ -Alkyl $\alpha$ -alkynyl Esters. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 5014-5017.	7.2	62
50	Stereoselective Synthesis of $\beta$ -Alkyl $\beta$ -keto Imides via Asymmetric Redox C-C Bond Formation between $\beta$ -Alkyl $\alpha$ -diazocarbonyl Compounds and Aldehydes. <i>Journal of the American Chemical Society</i> , 2009, 131, 11280-11281.	6.6	73
51	Stereoselective Construction of Seven-Membered Rings with an All-Carbon Quaternary Center by Direct Tiffeneau-Demjanov-type Ring Expansion. <i>Journal of the American Chemical Society</i> , 2009, 131, 6614-6617.	6.6	87
52	Binaphthyl-Modified Quaternary Phosphonium Salts as Chiral Phase-Transfer Catalysts: Asymmetric Amination of $\beta$ -Keto Esters. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 9466-9468.	7.2	199
53	Asymmetric 1,3-Dipolar Cycloadditions of $\beta$ -Benzyl and $\beta$ -Diphenylmethyl Nitrones and $\beta,\gamma$ -Unsaturated Aldehydes Catalyzed by Bis-Titanium Chiral Lewis Acids. <i>Chemistry - an Asian Journal</i> , 2008, 3, 407-412.	1.7	29
54	6,6-Substituent effect of BINOL in bis-titanium chiral Lewis acid catalyzed 1,3-dipolar cycloaddition of nitrones. <i>Organic and Biomolecular Chemistry</i> , 2008, 6, 2263.	1.5	25

#	ARTICLE	IF	CITATIONS
55	Trans-Selective Asymmetric Aziridination of Diazoacetamides and <i>N</i> -Boc Imines Catalyzed by Axially Chiral Dicarboxylic Acid. <i>Journal of the American Chemical Society</i> , 2008, 130, 14380-14381.	6.6	135
56	Syntheses of manzacidins: a stage for the demonstration of synthetic methodologies. <i>Organic and Biomolecular Chemistry</i> , 2008, 6, 829-835.	1.5	54
57	Asymmetric Imino Aza-enamine Reaction Catalyzed by Axially Chiral Dicarboxylic Acid: Use of Arylaldehyde <i>N</i> , <i>N</i> -Dialkylhydrazones as Acyl Anion Equivalent. <i>Journal of the American Chemical Society</i> , 2008, 130, 7556-7557.	6.6	100
58	Brønsted Acid-Catalyzed Insertion of Aryldiazoacetates to $sp^2$ Carbon <sup>+</sup> CHO Bond: Facile Construction of Chiral All-Carbon Quaternary Center. <i>Journal of the American Chemical Society</i> , 2008, 130, 2434-2435.	6.6	97
59	Design of an Axially Chiral Dicarboxylic Acid and Its Application in Syntheses of Optically Active $\beta^2$ -Amino Acids and $\beta^2$ -Amino Phosphonic Acid Derivatives. <i>Synthesis</i> , 2008, 2008, 3703-3706.	1.2	16
60	Recent Development and Application of Chiral Phase-Transfer Catalysts. <i>Chemical Reviews</i> , 2007, 107, 5656-5682.	23.0	723
61	Design of Axially Chiral Dicarboxylic Acid for Asymmetric Mannich Reaction of Arylaldehyde <i>N</i> -Boc Imines and Diazo Compounds. <i>Journal of the American Chemical Society</i> , 2007, 129, 10054-10055.	6.6	216
62	Construction of stereodefined 1,1,2,2-tetrasubstituted cyclopropanes by acid catalyzed reaction of aryldiazoacetates and $\beta$ -substituted acroleins. <i>Chemical Communications</i> , 2007, , 5143.	2.2	35
63	Asymmetric 1,3-Dipolar Cycloadditions of Nitrones and Methacrolein Catalyzed by Chiral Bis-Titanium Lewis Acid: A Dramatic Effect of <i>N</i> -Substituent on Nitron. <i>Organic Letters</i> , 2007, 9, 4805-4808.	2.4	63
64	Design of Binaphthyl-Modified Symmetrical Chiral Phase-Transfer Catalysts: Substituent Effect of 4,4',6,6'-Positions of Binaphthyl Rings in the Asymmetric Alkylation of a Glycine Derivative. <i>Chemistry - an Asian Journal</i> , 2007, 2, 1276-1281.	1.7	27
65	Enantioselective 1,3-Dipolar Cycloaddition Reaction between Diazoacetates and $\beta$ -Substituted Acroleins: Total Synthesis of Manzacidin A. <i>Journal of the American Chemical Society</i> , 2006, 128, 2174-2175.	6.6	175
66	Asymmetric 1,3-Dipolar Cycloaddition Reaction of Nitrones and Acrolein with a Bis-Titanium Catalyst as Chiral Lewis Acid.. <i>ChemInform</i> , 2006, 37, no.	0.1	0
67	Asymmetric 1,3-Dipolar Cycloaddition Reaction of Nitrones and Acrolein with a Bis-Titanium Catalyst as Chiral Lewis Acid. <i>Journal of the American Chemical Society</i> , 2005, 127, 11926-11927.	6.6	135
68	Catalytic Asymmetric Allylation of Aldehydes and Related Reactions with Bis(((S)-binaphthoxy)(isopropoxy)titanium) Oxide as a $\beta$ -Oxo-Type Chiral Lewis Acid.. <i>ChemInform</i> , 2004, 35, no.	0.1	0
69	Bis(((S)-binaphthoxy)(isopropoxy)titanium) Oxide as a $\beta$ -Oxo-Type Chiral Lewis Acid: Application to Catalytic Asymmetric Allylation of Aldehydes.. <i>ChemInform</i> , 2003, 34, no.	0.1	0
70	Symmetrical 4,4',6,6'-Tetraarylbinaaphthyl-Substituted Ammonium Bromide as a New, Chiral Phase-Transfer Catalyst.. <i>ChemInform</i> , 2003, 34, no.	0.1	0
71	Catalytic Asymmetric Allylation of Aldehydes and Related Reactions with Bis(((S)-binaphthoxy)(isopropoxy)titanium) Oxide as a $\beta$ -Oxo-Type Chiral Lewis Acid. <i>Chemistry - A European Journal</i> , 2003, 9, 4405-4413.	1.7	86
72	Substituent effect of binaphthyl-modified spiro-type chiral phase-transfer catalysts. <i>Tetrahedron Letters</i> , 2003, 44, 3313-3316.	0.7	46

#	ARTICLE	IF	CITATIONS
73	Symmetrical 4,4'-,6,6'-tetraarylbinaphthyl-substituted ammonium bromide as a new, chiral phase-transfer catalyst. <i>Tetrahedron: Asymmetry</i> , 2003, 14, 1599-1602.	1.8	48
74	Bis(((S)-binaphthoxy)(isopropoxy)titanium) Oxide as a $\frac{1}{4}$ -Oxo-Type Chiral Lewis Acid: Application to Catalytic Asymmetric Allylation of Aldehydes. <i>Journal of the American Chemical Society</i> , 2003, 125, 1708-1709.	6.6	181
75	Catalytic, Enantioselective Hetero-Diels-Alder Reaction with Novel, Chiral Bis-Titanium(IV) Catalyst. <i>Synlett</i> , 2002, 2002, 0931-0932.	1.0	24
76	The Basic Principle of Phase-Transfer Catalysis and Some Mechanistic Aspects. , 0, , 1-8.		9