

# Takanori Shibata

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9305902/publications.pdf>

Version: 2024-02-01

95  
papers

4,773  
citations

101543

36  
h-index

102487

66  
g-index

108  
all docs

108  
docs citations

108  
times ranked

3147  
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent Advances in Iridium-Catalyzed Alkylation of C-H and N-H Bonds. ACS Catalysis, 2013, 3, 704-712.	11.2	322
2	Recent advances in enantioselective [2 + 2 + 2] cycloaddition. Organic and Biomolecular Chemistry, 2008, 6, 1317.	2.8	284
3	Recent Advances in the Catalytic Pauson-Khand-Type Reaction. Advanced Synthesis and Catalysis, 2006, 348, 2328-2336.	4.3	232
4	Ir(I)-Catalyzed C-H Bond Alkylation of C2-Position of Indole with Alkenes: Selective Synthesis of Linear or Branched 2-Alkylindoles. Journal of the American Chemical Society, 2012, 134, 17474-17477.	13.7	215
5	Iridium Complex-Catalyzed Highly Enantio- and Diastereoselective [2+2+2] Cycloaddition for the Synthesis of Axially Chiral Teraryl Compounds. Journal of the American Chemical Society, 2004, 126, 8382-8383.	13.7	207
6	Iridium-Catalyzed Enantioselective C-H Alkylation of Ferrocenes with Alkenes Using Chiral Diene Ligands. Angewandte Chemie - International Edition, 2014, 53, 5410-5413.	13.8	196
7	Facile Two-Step Synthesis of 1,10-Phenanthroline-Derived Polyaza[7]helicenes with High Fluorescence and CPL Efficiency. Angewandte Chemie - International Edition, 2017, 56, 3906-3910.	13.8	175
8	Ir(I)-Catalyzed Enantioselective Secondary sp <sup>3</sup> C-H Bond Activation of 2-(Alkylamino)pyridines with Alkenes. Organic Letters, 2011, 13, 4692-4695.	4.6	167
9	Facile Synthesis of Cyclic Polyphenylenes by Consecutive Inter- and Intramolecular Cycloadditions of ortho-, meta-, and para-Phenylene-Tethered Triynes. Synthesis, 2012, 44, 3269-3284.	2.3	156
10	Enantioselective synthesis of planar-chiral benzosiloloferrrocenes by Rh-catalyzed intramolecular C-H silylation. Chemical Communications, 2015, 51, 7802-7804.	4.1	105
11	Rh-Catalyzed Enantioselective [2 + 2] Cycloaddition of Alkynyl Esters and Norbornene Derivatives. Organic Letters, 2006, 8, 1343-1345.	4.6	98
12	Iridium-Catalyzed Selective Synthesis of 4-Substituted Benzofurans and Indoles via Directed Cyclodehydration. Advanced Synthesis and Catalysis, 2009, 351, 2850-2854.	4.3	98
13	Highly enantioselective synthesis of silahelicenes using Ir-catalyzed [2+2+2] cycloaddition. Chemical Communications, 2012, 48, 1311-1313.	4.1	98
14	Cationic Au(I)-Catalyzed Cycloisomerization of Aromatic Enynes for the Synthesis of Substituted Naphthalenes. Synlett, 2006, 2006, 0411-0414.	1.8	97
15	Cationic iridium-catalyzed enantioselective activation of secondary sp <sup>3</sup> C-H bond adjacent to nitrogen atom. Tetrahedron, 2012, 68, 9009-9015.	1.9	97
16	Iridium(I)-Catalyzed Direct C-H Bond Alkylation of the C7 Position of Indolines with Alkenes. Advanced Synthesis and Catalysis, 2014, 356, 929-933.	4.3	91
17	Directed C-H Alkenylation of Quinoline N-Oxides at the C8 Position Using a Cationic Rhodium(I) Catalyst. Advanced Synthesis and Catalysis, 2014, 356, 1516-1520.	4.3	80
18	Very Important Publication: Iridium-Catalyzed Intramolecular Enantioselective C-H Alkylation at the C2 Position of Alkylindoles. Advanced Synthesis and Catalysis, 2015, 357, 1131-1135.	4.3	73

#	ARTICLE	IF	CITATIONS
19	Enantioselective Construction of Quaternary Carbon Centers by Catalytic [2 + 2 + 2] Cycloaddition of 1,6-Enynes and Alkynes. <i>Organic Letters</i> , 2005, 7, 4955-4957.	4.6	71
20	Enantioselective Intramolecular [2 + 2 + 2] Cycloaddition of 1,4-Diene-yne: A New Approach to the Construction of Quaternary Carbon Stereocenters. <i>Journal of the American Chemical Society</i> , 2006, 128, 11766-11767.	13.7	71
21	Enantioselective $\alpha$ -alkylation of $\beta$ -butyrolactam by a chiral Ir(scp) catalyst for the synthesis of 4-substituted $\beta$ -amino acids. <i>Chemical Communications</i> , 2015, 51, 16660-16663.	4.1	70
22	Catalytic Enantioselective Synthesis of Chiral Tetraphenylenes: Consecutive Inter- and Intramolecular Cycloadditions of Two Triynes. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 8066-8069.	13.8	69
23	Rh(III)-Catalyzed C-H Bond Activation along with $\sigma$ -Alkylation for the Synthesis of 4-Azafluorenes. <i>Organic Letters</i> , 2012, 14, 5106-5109.	4.6	67
24	Enantioselective Syntheses of Various Chiral Multicyclic Compounds with Quaternary Carbon Stereocenters by Catalytic Intramolecular Cycloaddition. <i>Journal of the American Chemical Society</i> , 2008, 130, 3451-3457.	13.7	64
25	Iridium-catalyzed consecutive and enantioselective [2+2+2] cycloaddition of tetraynes and hexaynes for the construction of an axially chiral biaryl system. <i>Tetrahedron</i> , 2008, 64, 821-830.	1.9	61
26	Enantioselective Intramolecular [2 + 2 + 2] Cycloaddition of Ene-diyne for the Synthesis of Chiral Cyclohexa-1,3-dienes. <i>Journal of Organic Chemistry</i> , 2007, 72, 6521-6525.	3.2	58
27	Enantioselective Synthesis of Chiral Tripodal Cage Compounds by [2 + 2 + 2] Cycloaddition of Branched Triynes. <i>Organic Letters</i> , 2009, 11, 3906-3908.	4.6	57
28	Catalytic Enantioselective Synthesis of Axially Chiral Polycyclic Aromatic Hydrocarbons (PAHs) via Regioselective C-C Bond Activation of Biphenylenes. <i>Journal of the American Chemical Society</i> , 2020, 142, 4714-4722.	13.7	56
29	Ir-catalyzed almost perfect enantioselective synthesis of helical polyaryls based on an axially-chiral sequence. <i>Chemical Communications</i> , 2005, , 6017.	4.1	52
30	Facile Two-Step Synthesis of 1,10-Phenanthroline-Derived Polyaza[7]helicenes with High Fluorescence and CPL Efficiency. <i>Angewandte Chemie</i> , 2017, 129, 3964-3968.	2.0	51
31	Iridium-Catalyzed Enantioselective [2+2+2] Cycloaddition of Diynes and Monoalkynes for the Generation of Axial Chiralities. <i>Advanced Synthesis and Catalysis</i> , 2006, 348, 2475-2483.	4.3	50
32	Pt-Catalyzed Enantioselective Cycloisomerization for the Synthesis of Planar-Chiral Ferrocene Derivatives. <i>Journal of Organic Chemistry</i> , 2016, 81, 6266-6272.	3.2	50
33	Thermal and Au(I)-Catalyzed Intramolecular [4+2] Cycloaddition of Aryl-Substituted 1,6-Diynes for the Synthesis of Biaryl Compounds. <i>Synlett</i> , 2005, 2005, 2062-2066.	1.8	48
34	Iridium-Catalyzed Enantioselective Formal [4+2] Cycloaddition of Biphenylene and Alkynes for the Construction of Axial Chirality. <i>Synlett</i> , 2008, 2008, 765-768.	1.8	46
35	Enantioselective Formal C-H Conjugate Addition of Acetanilides to $\beta$ -Substituted Acrylates by Chiral Iridium Catalysts. <i>Chemistry - A European Journal</i> , 2017, 23, 88-91.	3.3	45
36	Intramolecular Consecutive Dehydro-Diels-Alder Reaction for the Catalytic and Enantioselective Construction of Axial Chirality. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 15862-15865.	13.8	36

#	ARTICLE	IF	CITATIONS
37	Highly diastereo- and enantioselective construction of both central and axial chiralities by Rh-catalyzed [2 + 2 + 2] cycloaddition. <i>Organic and Biomolecular Chemistry</i> , 2008, 6, 4296.	2.8	34
38	Ir-catalyzed Enantioselective Intra- and Intermolecular Formal C-H Conjugate Addition to $\alpha,\beta$ -Unsaturated Esters. <i>Asian Journal of Organic Chemistry</i> , 2018, 7, 1411-1418.	2.7	34
39	Chiral Rh- and Ir-catalyzed intramolecular cycloaddition of hexaynes for the construction of new chiral skeletons. <i>Heteroatom Chemistry</i> , 2011, 22, 363-370.	0.7	33
40	Total Synthesis of <i>cis</i> -Clavicipitic Acid from Asparagine via Ir-catalyzed C-H bond Activation as a Key Step. <i>Chemistry - A European Journal</i> , 2015, 21, 11340-11343.	3.3	33
41	Cationic iridium-catalyzed C-H alkylation of 2-substituted pyridine N-oxides with acrylates. <i>Organic Chemistry Frontiers</i> , 2015, 2, 383-387.	4.5	31
42	Strategies for the Total Synthesis of Clavicipitic Acid. <i>Chemistry - A European Journal</i> , 2016, 22, 5468-5477.	3.3	31
43	Recent Advances of Biphenylene: Synthesis, Reactions and Uses. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 2871-2883.	2.4	31
44	Enantioselective synthesis of tripodal cyclophanes and pyridinophanes by intramolecular [2+2+2] cycloaddition. <i>Tetrahedron</i> , 2012, 68, 2679-2686.	1.9	30
45	Catalytic and Enantioselective Synthesis of Chiral Multisubstituted Tribenzothiepins by Intermolecular Cycloadditions. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 4552-4556.	13.8	30
46	Short-step synthesis and chiroptical properties of polyaza[5]helicenes with blue to green-colour emission. <i>Chemical Communications</i> , 2020, 56, 4484-4487.	4.1	30
47	Sulfur-directed carbon-sulfur bond cleavage for Rh-catalyzed regioselective alkynylthiolation of alkynes. <i>Chemical Communications</i> , 2017, 53, 9016-9019.	4.1	25
48	Iridium-Catalyzed Formal [4 + 1] Cycloaddition of Biphenylenes with Alkenes Initiated by C-C Bond Cleavage for the Synthesis of 9,9-Disubstituted Fluorenes. <i>Organic Letters</i> , 2016, 18, 1860-1863.	4.6	24
49	Rh-catalyzed intermolecular and enantioselective [4 + 2] cycloaddition of 1,3-dienes with dimethyl acetylenedicarboxylate. <i>Organic and Biomolecular Chemistry</i> , 2008, 6, 464-467.	2.8	23
50	One-Pot Cross-Coupling of Diborylmethane for the Synthesis of Dithienylmethane Derivatives. <i>Synlett</i> , 2014, 25, 2184-2188.	1.8	22
51	Construction of a Polycyclic Conjugated System Containing a Dibenzazepine Moiety by Cationic Gold(I)-Catalyzed Cycloisomerization. <i>European Journal of Organic Chemistry</i> , 2016, 2016, 5234-5237.	2.4	22
52	Enantioselective construction of new chiral cyclic scaffolds using [2 + 2 + 2] cycloaddition. <i>Pure and Applied Chemistry</i> , 2011, 83, 597-605.	1.9	21
53	Enantioselective Synthesis of Sulfur-Containing Medium-Ring Heterocycles with Axial Chiralities by Catalytic Intramolecular [2+2+2] Cycloaddition. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 7266-7270.	2.4	20
54	$\alpha$ -Amino Acid Sulfonamides as Versatile Sulfonylation Reagents: Silver-Catalyzed Synthesis of Coumarins and Oxindoles by Radical Cyclization. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 5905-5909.	2.4	20

#	ARTICLE	IF	CITATIONS
55	Catalytic Enantioselective Synthesis of Azepine-Fused Planar-Chiral Ferrocenes by Pt-Catalyzed Cycloisomerization. <i>Organometallics</i> , 2019, 38, 4029-4035.	2.3	19
56	Iodine-Catalyzed Synthesis of Chiral 4-Imidazolidinones Using $\beta$ -Amino Acid Derivatives via Dehydrogenative N <sup>3</sup> -C(sp <sup>3</sup> ) <sup>3</sup> -H Coupling. <i>Journal of Organic Chemistry</i> , 2019, 84, 12773-12783.	3.2	19
57	Functionalized BINOL- <i>mono</i> -PHOS for Multinuclear Cu-Catalysts in Asymmetric Conjugate Addition of Organozinc Reagents. <i>Chemistry Letters</i> , 2013, 42, 547-549.	1.3	17
58	Ir-Catalyzed Synthesis of Substituted Tribenzosilepins by Dehydrogenative C <sup>4</sup> -H/Si <sup>4</sup> -H Coupling. <i>Journal of Organic Chemistry</i> , 2018, 83, 3426-3432.	3.2	17
59	Detour and Direct Induction of Methyl-Containing Chiral Centers via Catalytic C-H or C-C Bond Formation. <i>Synthesis</i> , 2012, 44, 1427-1452.	2.3	16
60	Catalytic Dearomative Spirocyclization via Gold Carbene Species Derived from Ynamides: Efficient Synthesis of 2 $\beta$ -Azaspiro[4.5]decan $\beta$ -ones. <i>Chemistry - A European Journal</i> , 2018, 24, 3721-3724.	3.3	16
61	Metal-Free N <sup>3</sup> -H/C <sup>4</sup> -H Coupling for Efficient Asymmetric Synthesis of Chiral Dihydroquinoxalinones from Readily Available $\beta$ -Amino Acids. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 1067-1070.	2.4	16
62	[2+2+2] Cycloaddition of Sulfanylbenzene-Tethered Dienes with Alkynes for the Synthesis of Multi-Substituted Dibenzothiophene Derivatives. <i>Heterocycles</i> , 2015, 90, 1094.	0.7	16
63	Ir-Catalyzed Enantioselective Formal C <sup>4</sup> -H Conjugate Addition of Pyrrole and Indoles to $\beta,\beta$ -Unsaturated Carbonyl Compounds. <i>Organic Letters</i> , 2021, 23, 9078-9082.	4.6	15
64	Intramolecular C <sup>3</sup> -H Alkenylation of <i>N</i> -Alkynylindoles: <i>Exo</i> and <i>Endo</i> Selective Cyclization According to the Choice of Metal Catalyst. <i>Advanced Synthesis and Catalysis</i> , 2017, 359, 1849-1853.	4.3	14
65	Enantioselective Cross-Coupling of Electron-Deficient Alkenes via Ir-Catalyzed Vinylic sp <sup>2</sup> -C <sup>4</sup> -H Alkylation. <i>Organic Letters</i> , 2021, 23, 8158-8162.	4.6	14
66	BINAM-mono-PHOS as New Entry for Multinuclear Copper Catalysts in Asymmetric Conjugate Addition of Organozinc Reagents. <i>Synlett</i> , 2013, 24, 1155-1159.	1.8	13
67	Enantioselective Synthesis of Amino $\beta$ -Carboxylic Acid Derivatives by the Catalytic Intramolecular [2+2+2] Cycloaddition of Amino $\beta$ -Tethered Triynes. <i>European Journal of Organic Chemistry</i> , 2016, 2016, 1405-1413.	2.4	13
68	Regioselective Activation of a Sterically More Hindered C <sup>3</sup> -C Bond of Biphenylenes Using an Alkene as Both a Directing Group and a Reaction Moiety. <i>Chemistry - A European Journal</i> , 2018, 24, 15173-15177.	3.3	12
69	Consecutive HDDA and TDDA reactions of silicon-tethered tetraynes for the synthesis of dibenzosilole-fused polycyclic compounds and their unique reactivity. <i>Chemical Science</i> , 2019, 10, 6715-6720.	7.4	12
70	Ir-Catalyzed Remote Functionalization by the Combination of Deconjugative Chain-Walking and C <sup>4</sup> -H Activation Using a Transient Directing Group. <i>Organic Letters</i> , 2022, 24, 1313-1317.	4.6	11
71	Catalytic and Enantioselective Synthesis of Chiral Multisubstituted Tribenzothiepins by Intermolecular Cycloadditions. <i>Angewandte Chemie</i> , 2016, 128, 4628-4632.	2.0	9
72	Cationic Au(I)-Catalyzed Cycloisomerization of <i>N</i> -(2-Alkynylphenyl)indolines for the Construction of Indolobenzazepine Skeleton. <i>Heterocycles</i> , 2017, 94, 2229.	0.7	9

#	ARTICLE	IF	CITATIONS
73	Silver-Catalyzed Efficient Synthesis of Oxindoles and Pyrroloindolines via $\beta$ -Aminoalkylation of <i>N</i> -Arylacrylamides with Amino Acid Derivatives. <i>Chemistry - an Asian Journal</i> , 2018, 13, 496-499.	3.3	9
74	Intramolecular Consecutive Dehydro-Diels-Alder Reaction for the Catalytic and Enantioselective Construction of Axial Chirality. <i>Angewandte Chemie</i> , 2018, 130, 16088-16091.	2.0	9
75	Enantioselective Synthesis of Nine- to Eleven-Membered Cyclic Polyphenylenes Containing Heteroatoms by Catalytic Intramolecular [2+2+2] Cycloaddition. <i>Asian Journal of Organic Chemistry</i> , 2019, 8, 970-977.	2.7	9
76	Synthesis of NHC Ligands Containing a Sulfoxide Moiety and Their Use in Cross-Coupling via a Au(I)/(III) Catalytic Cycle. <i>Bulletin of the Chemical Society of Japan</i> , 2022, 95, 700-706.	3.2	9
77	<i>exo-dig</i> -Selective Cycloisomerization for the Synthesis of Dibenzo[ <i>b,e</i> ][1,4]diazocines Using Cationic Au Catalysts. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 4740-4747.	2.4	8
78	Ni-catalyzed non-activated C-S bond cleavage at ambient temperature for the synthesis of sulfur-containing polycyclic compounds. <i>Chemical Communications</i> , 2021, 57, 9048-9051.	4.1	8
79	Catalytic Synthesis of Dibenzazepines and Dibenzazocines by <i>endo-dig</i> - and <i>endo-dig</i> -Selective Cycloisomerization. <i>European Journal of Organic Chemistry</i> , 2021, 2021, 1688-1692.	2.4	8
80	DFT Studies on the Mechanism of the Iridium-Catalyzed Formal [4 + 1] Cycloaddition of Biphenylene with Alkenes. <i>ACS Omega</i> , 2017, 2, 5228-5234.	3.5	6
81	Catalytic Intramolecular [2+2+2] Cycloaddition of Peptide-Tethered Branched Triynes for the Synthesis of Cyclic Peptides. <i>Heterocycles</i> , 2017, 95, 1121.	0.7	6
82	Gold-catalyzed dual C-C bond cleavage of biphenylenes bearing a pendant alkyne at ambient temperature. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 5826-5831.	2.8	6
83	Synthesis and Chiroptical Properties of Quinoxaline-Fused Polyaza[5][7]helicenes with Orange Color CPL Emissions. <i>Helvetica Chimica Acta</i> , 2021, 104, e2100016.	1.6	5
84	Palladium-Catalyzed $sp^3$ C-H Benzylation of Alanine Derivatives Using Aldehydes under Ambient Conditions. <i>Synthesis</i> , 2021, 53, 3085-3093.	2.3	5
85	Metal-Free Aminoiodination of Alkynes Under Visible Light Irradiation for the Construction of a Nitrogen-Containing Eight-Membered Ring System. <i>Advanced Synthesis and Catalysis</i> , 2021, 363, 2746-2751.	4.3	5
86	Thermally Stable Monosubstituted Thiophene 1-Oxide and 1-Imides Stabilized by a Bulky Rind Group at Their 3-Position: Synthesis, Structure, and Inversion Barriers on the Sulfur Atom. <i>Bulletin of the Chemical Society of Japan</i> , 2017, 90, 697-705.	3.2	4
87	Relativistic Effect on Homogeneous Catalytic Reaction by Cationic Iridium Catalysts. <i>Journal of Computer Chemistry Japan</i> , 2019, 18, 136-138.	0.1	2
88	Silver-Catalyzed C( $sp^3$ )-H Sulfonylation for the Synthesis of Benzyl Sulfones Using Toluene Derivatives and $\beta$ -Amino Acid Sulfonamides. <i>Bulletin of the Chemical Society of Japan</i> , 2021, 94, 1377-1384.	3.2	2
89	Gold(I)-Catalyzed <i>endo-dig</i> -Selective Cycloisomerization of <i>N</i> -(2-Anilinobenzyl)propargylamines. <i>Heterocycles</i> , 2020, 101, 195.	0.7	2
90	Pt(II)-Chiral Diene-Catalyzed Enantioselective Formal [4+2] Cycloaddition Initiated by C-C Bond Cleavage and Elucidation of a Pt(II)/(IV) Cycle by DFT Calculations. <i>Organic Chemistry Frontiers</i> , 0, .	4.5	2

#	ARTICLE	IF	CITATIONS
91	Gold-Catalyzed Cascade and Divergent Synthesis of Indolobenzazepines and Indoloquinolines from Nitrogen-Tethered 1,8-Diynes. <i>European Journal of Organic Chemistry</i> , 0, , .	2.4	2
92	Metal-Free Aerobic C-H Oxidation of Methylarenes to Aromatic Aldehydes by Sulfur-Containing Tetracyclic Compounds as Visible-Light Photocatalysts. <i>Bulletin of the Chemical Society of Japan</i> , 2022, 95, 768-770.	3.2	2
93	Head-to-Tail Stereoselective Dimerization of Acrylate Derivatives via Iridium-Catalyzed Vinylic C-H Activation. <i>Advanced Synthesis and Catalysis</i> , 0, , .	4.3	2
94	Iridium-Catalyzed Cycloadditions. , 0, , 277-298.		1
95	Synthesis of Hexaazatruxenes by Consecutive N-H/C-H Coupling Using a Hypervalent Iodine Reagent and Evaluation of Their Photophysical Properties. <i>European Journal of Organic Chemistry</i> , 2022, 2022, .	2.4	1