Takanori Shibata

List of Publications by Year
in descending order

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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	Ir-Catalyzed Remote Functionalization by the Combination of Deconjugative Chain-Walking and Câ€“H Activation Using a Transient Directing Group. Organic Letters, 2022, 24, 1313-1317.	4.6	11
2	Metal-Free Aerobic Câ€“H Oxidation of Methylarenes to Aromatic Aldehydes by Sulfur-Containing Tetracyclic Compounds as Visible-Light Photocatalysts. Bulletin of the Chemical Society of Japan, 2022, 95, 768-770.	3.2	2
3	Synthesis of NHC Ligands Containing a Sulfoxide Moiety and Their Use in Cross-Coupling via a Au(I)/(III) Catalytic Cycle. Bulletin of the Chemical Society of Japan, 2022, 95, 700-706.	3.2	9
4	Synthesis of Hexaazatruxenes by Consecutive Nâˆ'H/Câˆ'H Coupling Using a Hypervalent Iodine Reagent and Evaluation of Their Photophysical Properties. European Journal of Organic Chemistry, 2022, 2022, .	2.4	1
5	Ni-catalyzed non-activated Câ€“S bond cleavage at ambient temperature for the synthesis of sulfur-containing polycyclic compounds. Chemical Communications, 2021, 57, 9048-9051.	4.1	8
6	Synthesis and Chiroptical Properties of Quinoxalineâ€Fused Polyaza[5]â€“[7]helicenes with Orangeâ€Color CPL Emissions. Helvetica Chimica Acta, 2021, 104, e2100016.	1.6	5
7	Palladium-Catalyzed sp3 Câ€“H Benzoxylation of Alanine Derivatives Using Aldehydes under Ambient Conditions. Synthesis, 2021, 53, 3085-3093.	2.3	5
8	Catalytic Synthesis of Dibenzazepines and Dibenzazocines by 7â€Exoâ€•and 8â€Endoâ€Digâ€Selective Cycloisomerization. European Journal of Organic Chemistry, 2021, 2021, 1688-1692.	2.4	8
9	Metalâ€Free Aminoiodination of Alkynes Under Visible Light Irradiation for the Construction of a Nitrogenâ€Containing Eightâ€Membered Ring System. Advanced Synthesis and Catalysis, 2021, 363, 2746-2751.	4.3	5
10	Silver-Catalyzed C(sp3)-H Sulfonylation for the Synthesis of Benzyl Sulfones Using Toluene Derivatives and Î±-Amino Acid Sulfonamides. Bulletin of the Chemical Society of Japan, 2021, 94, 1377-1384.	3.2	2
11	Enantioselective Cross-Coupling of Electron-Deficient Alkenes via Ir-Catalyzed Vinylic sp² Câ€“H Alkylation. Organic Letters, 2021, 23, 8158-8162.	4.6	14
12	Ir-Catalyzed Enantioselective Formal Câ€“H Conjugate Addition of Pyrrole and Indoles to Î±,Î²-Unsaturated Carbonyl Compounds. Organic Letters, 2021, 23, 9078-9082.	4.6	15
13	Gold-catalyzed dual Câ€“C bond cleavage of biphenylenes bearing a pendant alkyne at ambient temperature. Organic and Biomolecular Chemistry, 2020, 18, 5826-5831.	2.8	6
14	Short-step synthesis and chiroptical properties of polyaza[5]â€“[9]helicenes with blue to green-colour emission. Chemical Communications, 2020, 56, 4484-4487.	4.1	30
15	Catalytic Enantioselective Synthesis of Axially Chiral Polycyclic Aromatic Hydrocarbons (PAHs) via Regioselective Câ€“C Bond Activation of Biphenylenes. Journal of the American Chemical Society, 2020, 142, 4714-4722.	13.7	56
16	Gold(I)-Catalyzed 10-endo-dig-Selective Cycloisomerization of N-(2-Anilinobenzyl)propargylamines. Heterocycles, 2020, 101, 195.	0.7	2
17	Catalytic Enantioselective Synthesis of Azepine-Fused Planar-Chiral Ferrocenes by Pt-Catalyzed Cycloisomerization. Organometallics, 2019, 38, 4029-4035.	2.3	19
18	Iodine-Catalyzed Synthesis of Chiral 4-Imidazolidinones Using Î±-Amino Acid Derivatives via Dehydrogenative Nâ€“H/C(sp³)â€“H Coupling. Journal of Organic Chemistry, 2019, 84, 12773-12783.	3.2	19

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19	Consecutive HDDA and TDDA reactions of silicon-tethered tetraynes for the synthesis of dibenzosilole-fused polycyclic compounds and their unique reactivity. Chemical Science, 2019, 10, 6715-6720.	7.4	12
20	Recent Advances of Biphenylene: Synthesis, Reactions and Uses. European Journal of Organic Chemistry, 2019, 2019, 2871-2883.	2.4	31
21	Enantioselective Synthesis of Nineâ€to Elevenâ€Membered Cyclic Polyphenylenes Containing Heteroatoms by Catalytic Intramolecular [2+2+2] Cycloaddition. Asian Journal of Organic Chemistry, 2019, 8, 970-977.	2.7	9
22	Relativistic Effect on Homogeneous Catalytic Reaction by Cationic Iridium Catalysts. Journal of Computer Chemistry Japan, 2019, 18, 136-138.	0.1	2
23	Catalytic Dearomative Spirocyclization via Gold Carbene Species Derived from Ynamides: Efficient Synthesis of 2â€Azaspiro[4.5]decanâ€3â€one. Chemistry - A European Journal, 2018, 24, 3721-3724.	3.3	16
24	Silverâ€Catalyzed Efficient Synthesis of Oxindoles and Pyrroloindolines via Îâ€Aminoalkylation of Nâ€Arylacrylamides with Amino Acid Derivatives. Chemistry - an Asian Journal, 2018, 13, 496-499.	3.3	9
25	Metalâ€Free Nâ€H/Câ€H Coupling for Efficient Asymmetric Synthesis of Chiral Dihydroquinoxalinones from Readily Available Îâ€Amino Acids. European Journal of Organic Chemistry, 2018, 2018, 1067-1070.	2.4	16
26	Ir-Catalyzed Synthesis of Substituted Tribenzosilepins by Dehydrogenative Câ€H/Siâ€H Coupling. Journal of Organic Chemistry, 2018, 83, 3426-3432.	3.2	17
27	Intramolecular Consecutive Dehydroâ€Dielsâ€Alder Reaction for the Catalytic and Enantioselective Construction of Axial Chirality. Angewandte Chemie, 2018, 130, 16088-16091.	2.0	9
28	Regioselective Activation of a Sterically More Hindered Câˆ'C Bond of Biphenylenes Using an Alkene as Both a Directing Group and a Reaction Moiety. Chemistry - A European Journal, 2018, 24, 15173-15177.	3.3	12
29	Intramolecular Consecutive Dehydroâ€Dielsâ€Alder Reaction for the Catalytic and Enantioselective Construction of Axial Chirality. Angewandte Chemie - International Edition, 2018, 57, 15862-15865.	13.8	36
30	Irâ€Catalyzed Enantioselective Intraâ€and Intermolecular Formal Câˆ'H Conjugate Addition to Î²â€Substituted Îâ€,Î²â€Unsaturated Esters. Asian Journal of Organic Chemistry, 2018, 7, 1411-1418.	2.7	34
31	Îâ€Amino Acid Sulfonamides as Versatile Sulfonylation Reagents: Silverâ€Catalyzed Synthesis of Coumarins and Oxindoles by Radical Cyclization. European Journal of Organic Chemistry, 2018, 2018, 5905-5909.	2.4	20
32	8â€exoâ€digâ€Selective Cycloisomerization for the Synthesis of Dibenzo[b,e][1,4]diazocines Using Cationic Au^I Catalysts. European Journal of Organic Chemistry, 2018, 2018, 4740-4747.	2.4	8
33	Facile Twoâ€Step Synthesis of 1,10â€Phenanthrolineâ€Derived Polyaza[7]helicenes with High Fluorescence and CPL Efficiency. Angewandte Chemie, 2017, 129, 3964-3968.	2.0	51
34	Facile Twoâ€Step Synthesis of 1,10â€Phenanthrolineâ€Derived Polyaza[7]helicenes with High Fluorescence and CPL Efficiency. Angewandte Chemie - International Edition, 2017, 56, 3906-3910.	13.8	175
35	Intramolecular Câˆ'H Alkenylation of Nâ€Alkynylindoles: Exo and Endo Selective Cyclization According to the Choice of Metal Catalyst. Advanced Synthesis and Catalysis, 2017, 359, 1849-1853.	4.3	14
36	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. Bulletin of the Chemical Society of Japan, 2017, 90, 697-705.	3.2	4

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37	DFT Studies on the Mechanism of the Iridium-Catalyzed Formal [4 + 1] Cycloaddition of Biphenylene with Alkenes. ACS Omega, 2017, 2, 5228-5234.	3.5	6
38	Sulfur-directed carbonâ€“sulfur bond cleavage for Rh-catalyzed regioselective alkynylthiolation of alkynes. Chemical Communications, 2017, 53, 9016-9019.	4.1	25
39	Enantioselective Synthesis of Sulfurâ€Containing Mediumâ€Ring Heterocycles with Axial Chiralities by Catalytic Intramolecular [2+2+2] Cycloaddition. European Journal of Organic Chemistry, 2017, 2017, 7266-7270.	2.4	20
40	Enantioselective Formal Câˆ'H Conjugate Addition of Acetanilides to Î²â€Substituted Acrylates by Chiral Iridium Catalysts. Chemistry - A European Journal, 2017, 23, 88-91.	3.3	45
41	Catalytic Intramolecular [2+2+2] Cycloaddition of Peptide-Tethered Branched Triynes for the Synthesis of Cyclic Peptides. Heterocycles, 2017, 95, 1121.	0.7	6
42	Cationic Au(I)-Catalyzed Cycloisomerization of N-(2-Alkynylphenyl)indolines for the Construction of Indolobenzazepine Skeleton. Heterocycles, 2017, 94, 2229.	0.7	9
43	Pt-Catalyzed Enantioselective Cycloisomerization for the Synthesis of Planar-Chiral Ferrocene Derivatives. Journal of Organic Chemistry, 2016, 81, 6266-6272.	3.2	50
44	Catalytic and Enantioselective Synthesis of Chiral Multisubstituted Tribenzothiepins by Intermolecular Cycloadditions. Angewandte Chemie, 2016, 128, 4628-4632.	2.0	9
45	Strategies for the Total Synthesis of Clavicipitic Acid. Chemistry - A European Journal, 2016, 22, 5468-5477.	3.3	31
46	Iridium-Catalyzed Formal [4 + 1] Cycloaddition of Biphenylenes with Alkenes Initiated by Câ€“C Bond Cleavage for the Synthesis of 9,9-Disubstituted Fluorenes. Organic Letters, 2016, 18, 1860-1863.	4.6	24
47	Construction of a Polycyclic Conjugated System Containing a Dibenzazepine Moiety by Cationic Gold(I)â€Catalyzed Cycloisomerization. European Journal of Organic Chemistry, 2016, 2016, 5234-5237.	2.4	22
48	Catalytic and Enantioselective Synthesis of Chiral Multisubstituted Tribenzothiepins by Intermolecular Cycloadditions. Angewandte Chemie - International Edition, 2016, 55, 4552-4556.	13.8	30
49	Enantioselective Synthesis of AminoÂindan Carboxylic Acid Derivatives by the Catalytic Intramolecular [2+2+2] Cycloaddition of Aminoâ€Acidâ€Tethered Triynes. European Journal of Organic Chemistry, 2016, 2016, 1405-1413.	2.4	13
50	Total Synthesis of cisâ€Clavicipitic Acid from Asparagine via Irâ€Catalyzed Cï£¿H bond Activation as a Key Step. Chemistry - A European Journal, 2015, 21, 11340-11343.	3.3	33
51	Enantioselective synthesis of planar-chiral benzosiloloferrocenes by Rh-catalyzed intramolecular Câ€“H silylation. Chemical Communications, 2015, 51, 7802-7804.	4.1	105
52	Cationic iridium-catalyzed Câ€“H alkylation of 2-substituted pyridine N-oxides with acrylates. Organic Chemistry Frontiers, 2015, 2, 383-387.	4.5	31
53	Very Important Publication: Iridiumâ€Catalyzed Intramolecular Enantioselective Cï£¿H Alkylation at the Câ€2 Position of Nâ€Alkenylindoles. Advanced Synthesis and Catalysis, 2015, 357, 1131-1135.	4.3	73
54	Enantioselective sp³ Câ€“H alkylation of Î³-butyrolactam by a chiral Ir(<scp>i</scp>) catalyst for the synthesis of 4-substituted Î³-amino acids. Chemical Communications, 2015, 51, 16660-16663.	4.1	70

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55	[2+2+2] Cycloaddition of Sulfanylbenzene-Tethered Diynes with Alkynes for the Synthesis of Multi-Substituted Dibenzothiophene Derivatives. Heterocycles, 2015, 90, 1094.	0.7	16
56	One-Pot Cross-Coupling of Diborylmethane for the Synthesis of DithienylÂmethane Derivatives. Synlett, 2014, 25, 2184-2188.	1.8	22
57	Iridiumâ€Catalyzed Enantioselective Cï£¿H Alkylation of Ferrocenes with Alkenes Using Chiral Diene Ligands. Angewandte Chemie - International Edition, 2014, 53, 5410-5413.	13.8	196
58	Iridium(I)â€Catalyzed Direct Cï£¿H Bond Alkylation of the Câ€7 Position of Indolines with Alkenes. Advanced Synthesis and Catalysis, 2014, 356, 929-933.	4.3	91
59	Directed Cï£¿H Alkenylation of Quinoline Nâ€Oxides at the Câ€8 Position Using a Cationic Rhodium(I) Catalyst. Advanced Synthesis and Catalysis, 2014, 356, 1516-1520.	4.3	80
60	Recent Advances in Iridium-Catalyzed Alkylation of Câ€“H and Nâ€“H Bonds. ACS Catalysis, 2013, 3, 704-712.	11.2	322
61	BINAM-mono-PHOS as New Entry for Multinuclear Copper Catalysts in Asymmetric Conjugate Addition of Organozinc Reagents. Synlett, 2013, 24, 1155-1159.	1.8	13
62	Functionalized BINOL-mono-PHOS for Multinuclear Cu-Catalysts in Asymmetric Conjugate Addition of Organozinc Reagents. Chemistry Letters, 2013, 42, 547-549.	1.3	17
63	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
64	Detour and Direct Induction of Methyl-Containing Chiral Centers via Catalytic C-H or C-C Bond Formation. Synthesis, 2012, 44, 1427-1452.	2.3	16
65	Rh(III)-Catalyzed Câ€“H Bond Activation along with â€œRolloverâ€•for the Synthesis of 4-Azafluorenes. Organic Letters, 2012, 14, 5106-5109.	4.6	67
66	Cationic iridium-catalyzed enantioselective activation of secondary sp3 Câ€“H bond adjacent to nitrogen atom. Tetrahedron, 2012, 68, 9009-9015.	1.9	97
67	Highly enantioselective synthesis of silahelicenes using Ir-catalyzed [2+2+2] cycloaddition. Chemical Communications, 2012, 48, 1311-1313.	4.1	98
68	Ir(I)-Catalyzed Câ€“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
69	Enantioselective synthesis of tripodal cyclophanes and pyridinophanes by intramolecular [2+2+2] cycloaddition. Tetrahedron, 2012, 68, 2679-2686.	1.9	30
70	Ir(I)-Catalyzed Enantioselective Secondary sp³ Câ€“H Bond Activation of 2-(Alkylamino)pyridines with Alkenes. Organic Letters, 2011, 13, 4692-4695.	4.6	167
71	Chiral Rhâ€•and Irâ€catalyzed intramolecular cycloaddition of hexaynes for the construction of new chiral skeletons. Heteroatom Chemistry, 2011, 22, 363-370.	0.7	33
72	Enantioselective construction of new chiral cyclic scaffolds using [2 + 2 + 2] cycloaddition. Pure and Applied Chemistry, 2011, 83, 597-605.	1.9	21

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73	Iridiumâ€Catalyzed Selective Synthesis of 4â€Substituted Benzofurans and Indoles via Directed Cyclodehydration. Advanced Synthesis and Catalysis, 2009, 351, 2850-2854.	4.3	98
74	Catalytic Enantioselective Synthesis of Chiral Tetraphenylenes: Consecutive Interâ€•and Intramolecular Cycloadditions of Two Triynes. Angewandte Chemie - International Edition, 2009, 48, 8066-8069.	13.8	69
75	Enantioselective Synthesis of Chiral Tripodal Cage Compounds by [2 + 2 + 2] Cycloaddition of Branched Triynes. Organic Letters, 2009, 11, 3906-3908.	4.6	57
76	Iridium-catalyzed consecutive and enantioselective [2+2+2] cycloaddition of tetraynes and hexaynes for the construction of an axially chiral biaryl system. Tetrahedron, 2008, 64, 821-830.	1.9	61
77	Recent advances in enantioselective [2 + 2 + 2] cycloaddition. Organic and Biomolecular Chemistry, 2008, 6, 1317.	2.8	284
78	Rh-catalyzed intermolecular and enantioselective [4 + 2] cycloaddition of 1,3-dienes with dimethyl acetylenedicarboxylate. Organic and Biomolecular Chemistry, 2008, 6, 464-467.	2.8	23
79	Highly diastereo- and enantioselective construction of both central and axial chiralities by Rh-catalyzed [2 + 2 + 2] cycloaddition. Organic and Biomolecular Chemistry, 2008, 6, 4296.	2.8	34
80	Enantioselective Syntheses of Various Chiral Multicyclic Compounds with Quaternary Carbon Stereocenters by Catalytic Intramolecular Cycloaddition. Journal of the American Chemical Society, 2008, 130, 3451-3457.	13.7	64
81	Iridium-Catalyzed Enantioselective Formal [4+2] Cycloaddition of Biphenylene and Alkynes for the Construction of Axial Chirality. Synlett, 2008, 2008, 765-768.	1.8	46
82	Enantioselective Intramolecular [2 + 2 + 2] Cycloaddition of Enediynes for the Synthesis of Chiral Cyclohexa-1,3-dienes. Journal of Organic Chemistry, 2007, 72, 6521-6525.	3.2	58
83	Cationic Au(I)-Catalyzed Cycloisomerization of Aromatic Enynes for the Synthesis of Substituted Naphthalenes. Synlett, 2006, 2006, 0411-0414.	1.8	97
84	Enantioselective Intramolecular [2 + 2 + 2] Cycloaddition of 1,4-Diene-ynes:Â A New Approach to the Construction of Quaternary Carbon Stereocenters. Journal of the American Chemical Society, 2006, 128, 11766-11767.	13.7	71
85	Rh-Catalyzed Enantioselective [2 + 2] Cycloaddition of Alkynyl Esters and Norbornene Derivatives. Organic Letters, 2006, 8, 1343-1345.	4.6	98
86	Iridium-Catalyzed Enantioselective [2+2+2] Cycloaddition of Diynes and Monoalkynes for the Generation of Axial Chiralities. Advanced Synthesis and Catalysis, 2006, 348, 2475-2483.	4.3	50
87	Recent Advances in the Catalytic Pausonâ€“Khand-Type Reaction. Advanced Synthesis and Catalysis, 2006, 348, 2328-2336.	4.3	232
88	Thermal and Au(I)-Catalyzed Intramolecular [4+2] Cycloaddition of Aryl-Substituted 1,6-Diynes for the Synthesis of Biaryl Compounds. Synlett, 2005, 2005, 2062-2066.	1.8	48
89	Ir-catalyzed almost perfect enantioselective synthesis of helical polyaryls based on an axially-chiral sequence. Chemical Communications, 2005, , 6017.	4.1	52
90	Enantioselective Construction of Quaternary Carbon Centers by Catalytic [2 + 2 + 2] Cycloaddition of 1,6-Enynes and Alkynes. Organic Letters, 2005, 7, 4955-4957.	4.6	71

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91	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
92	Iridium-Catalyzed Cycloadditions. , 0, , 277-298.		1
93	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. Organic Chemistry Frontiers, 0, , .	4.5	2
94	Goldâ€Catalyzed Cascade and Divergent Synthesis of Indolobenzazepines and Indoloquinolines from Nitrogenâ€Tethered 1,8â€Diynes. European Journal of Organic Chemistry, 0, , .	2.4	2
95	Tailâ€Toâ€Tail Stereoselective Dimerization of Acrylate Derivatives via Iridiumâ€Catalyzed Vinylic sp ² Cî—¸H Activation. Advanced Synthesis and Catalysis, 0, , .	4.3	2