

Shu-Yu Zhang

List of Publications by Year in descending order

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94
papers

6,286
citations

76326

40
h-index

69250

77
g-index

127
all docs

127
docs citations

127
times ranked

4785
citing authors

#	ARTICLE	IF	CITATIONS
1	Bromine and oxygen redox species mediated highly selective electro-epoxidation of styrene. <i>Organic Chemistry Frontiers</i> , 2022, 9, 436-444.	4.5	14
2	Highly Site- and Enantioselective $\text{N}^{\alpha}\text{-H}$ Functionalization of <i>N</i> -Monosubstituted Aniline Derivatives Affording Pyrazolones Bearing a Quaternary Stereocenter. <i>Chinese Journal of Chemistry</i> , 2022, 40, 1144-1148.	4.9	4
3	Molecular basis for cell-wall recycling regulation by transcriptional repressor MurR in <i>Escherichia coli</i> . <i>Nucleic Acids Research</i> , 2022, 50, 5948-5960.	14.5	3
4	Bioinspired Palladium-Catalyzed Intramolecular $\text{C}(\text{sp}^3)\text{-H}$ Activation for the Collective Synthesis of Proline Natural Products. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	15
5	Bioinspired Palladium-Catalyzed Intramolecular $\text{C}(\text{sp}^3)\text{-H}$ Activation for the Collective Synthesis of Proline Natural Products. <i>Angewandte Chemie</i> , 2022, 134, .	2.0	3
6	Chiral Phosphoric Acid-Catalyzed Enantioselective Dearomative Electrophilic Hydrazination: Access to Chiral Aza-Quaternary Carbon Indolenines. <i>ACS Catalysis</i> , 2022, 12, 7511-7516.	11.2	17
7	Co-Catalyzed Direct Regio- and Enantioselective Intermolecular I^3 -Amination of <i>N</i> -Acylpyrazoles. <i>Organic Letters</i> , 2021, 23, 25-30.	4.6	12
8	Palladium Catalyzed Aminocarbonylation of Benzylic Ammonium Triflates with Nitroarenes: Synthesis of Phenylacetamides. <i>Advanced Synthesis and Catalysis</i> , 2021, 363, 2061-2065.	4.3	16
9	DFT and experimental studies on Rh(III)-catalyzed dual directing-groups-assisted [3+2] annulation and ring-opening of <i>N</i> -aryloxyacetamides with 1-(phenylethynyl)cycloalkanol. <i>Tetrahedron Letters</i> , 2021, 69, 152979.	1.4	3
10	Paired Electrolysis Enabled Ni-Catalyzed Unconventional Cascade Reductive Thiolation Using Sulfonates. <i>Journal of Organic Chemistry</i> , 2021, 86, 15326-15334.	3.2	15
11	Organocatalytic Direct Asymmetric Indolization from Anilines by Enantioselective [3 + 2] Annulation. <i>Organic Letters</i> , 2021, 23, 8434-8438.	4.6	15
12	Base-Promoted Cobalt-Catalyzed Regio- and Enantioselective <i>Friedel-Crafts</i> Alkylation of Aniline Derivatives. <i>Organic Letters</i> , 2021, 23, 9353-9359.	4.6	15
13	A dienamine-mediated deconjugative addition/cyclization cascade of I^3, I^3 -disubstituted enals with carboxylic acid-activated enones: a rapid access to highly functionalized I^3 -lactones. <i>Organic Chemistry Frontiers</i> , 2020, 7, 571-577.	4.5	4
14	High heat-resistant polyimide films containing quinoxaline moiety for flexible substrate applications. <i>Polymer</i> , 2020, 209, 122963.	3.8	31
15	Fe-Catalyzed Sequential $\text{C}(\text{sp}^3)\text{-H}/\text{N}^{\alpha}\text{-H}$ Annulation of 2-Methylindoles with Ethyl Trifluoropyruvate at Room Temperature: Construction of Pyrrolo[1,2- I^{\pm}]indoles. <i>Organic Letters</i> , 2020, 22, 4716-4720.	4.6	15
16	Organocatalytic Enantioselective Construction of Heterocycle-Substituted Styrenes with Chiral Atropisomerism. <i>Organic Letters</i> , 2020, 22, 2448-2453.	4.6	43
17	Highly Chemo-, Site-, and Enantioselective $\text{C}^{\alpha}\text{-H}$ Aminoalkylation of <i>N</i> -Monosubstituted Aniline Derivatives Affording 3-Amino-2-oxindoles. <i>Organic Letters</i> , 2020, 22, 2173-2177.	4.6	32
18	Total Synthesis of Fawcettimine-Type Alkaloid, Lycojaponicum A. <i>Organic Letters</i> , 2020, 22, 3775-3779.	4.6	16

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19	Highly atroposelective synthesis of nonbiaryl naphthalene-1,2-diamine N-C atropisomers through direct enantioselective C-H amination. <i>Nature Communications</i> , 2019, 10, 3063.	12.8	75
20	Lewis Base/Bronsted Acid Co-catalyzed Enantioselective Sulfenylation/Semipinacol Rearrangement of Di- and Trisubstituted Allylic Alcohols. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 12491-12496.	13.8	54
21	Lewis Base/Bronsted Acid Co-catalyzed Enantioselective Sulfenylation/Semipinacol Rearrangement of Di- and Trisubstituted Allylic Alcohols. <i>Angewandte Chemie</i> , 2019, 131, 12621-12626.	2.0	11
22	Remote C6-Enantioselective C-H Functionalization of 2,3-Disubstituted Indoles through the Dual H-Bonds and π - π Interaction Strategy Enabled by CPAs. <i>Organic Letters</i> , 2019, 21, 8662-8666.	4.6	39
23	Cobalt-Catalyzed <i>ortho</i> -C(sp ²)-H Amidation of Benzaldehydes with Dioxazolones Using Transient Directing Groups. <i>Organic Letters</i> , 2019, 21, 7342-7345.	4.6	42
24	Computational and experimental studies on copper-mediated selective cascade C-H/N-H annulation of electron-deficient acrylamide with arynes. <i>Chemical Communications</i> , 2019, 55, 755-758.	4.1	33
25	Copper-Complex-Catalyzed Asymmetric Aerobic Oxidative Cross-Coupling of 2-Naphthols: Enantioselective Synthesis of 3,3-Substituted C1-Symmetric BINOLs. <i>Angewandte Chemie</i> , 2019, 131, 11139-11143.	2.0	46
26	Copper-Complex-Catalyzed Asymmetric Aerobic Oxidative Cross-Coupling of 2-Naphthols: Enantioselective Synthesis of 3,3-Substituted C1-Symmetric BINOLs. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 11023-11027.	13.8	73
27	Design and synthesis of a novel quinoxaline diamine and its polyimides with high-Tg and red color. <i>Polymer</i> , 2019, 179, 121612.	3.8	24
28	Electrochemical halogenation/semi-pinacol rearrangement of allylic alcohols using inorganic halide salt: an eco-friendly route to the synthesis of β -halocarbonyls. <i>Green Chemistry</i> , 2019, 21, 4014-4019.	9.0	49
29	Asymmetric Organocatalytic Synthesis of 2,3-Allenamides from Hydrogen-Bond-Stabilized Enynamides. <i>Organic Letters</i> , 2019, 21, 2468-2472.	4.6	26
30	Dual Directing-Groups-Assisted Redox-Neutral Annulation and Ring Opening of <i>N</i> -Aryloxyacetamides with 1-Alkynylcyclobutanols via Rhodium(III)-Catalyzed C-H/C-C Activations. <i>Organic Letters</i> , 2019, 21, 2823-2827.	4.6	47
31	Asymmetric <i>N</i> -Hydroxyalkylation of Indoles with Ethyl Glyoxalates Catalyzed by a Chiral Phosphoric Acid: Highly Enantioselective Synthesis of Chiral <i>N,O</i> -Amino Indole Derivatives. <i>Organic Letters</i> , 2019, 21, 2795-2799.	4.6	27
32	Silver-Catalyzed para-Selective C-H Amination of 1-Naphthylamides with Azodicarboxylates at Room Temperature. <i>Synthesis</i> , 2019, 51, 2697-2704.	2.3	2
33	Electrochemical Semipinacol Rearrangements of Allylic Alcohols: Construction of All-Carbon Quaternary Stereocenters. <i>Organic Letters</i> , 2019, 21, 2536-2540.	4.6	74
34	Recent progress in the isolation, bioactivity, biosynthesis, and total synthesis of natural spiroketals. <i>Natural Product Reports</i> , 2018, 35, 75-104.	10.3	78
35	Mechanistic insights into staphylopine-mediated metal acquisition. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 3942-3947.	7.1	50
36	Copper-Mediated Cascade C-H/N-H Annulation of Indolocarboxamides with Arynes: Construction of Tetracyclic Indoloquinoline Alkaloids. <i>Organic Letters</i> , 2018, 20, 220-223.	4.6	66

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37	Rhodium(III)-Catalyzed Redox-Neutral Cascade [3 + 2] Annulation of <i>N</i> -Phenoxyacetamides with Propiolates via C-H Functionalization/Isomerization/Lactonization. <i>Organic Letters</i> , 2018, 20, 7131-7136.	4.6	45
38	Asymmetric intramolecular Friedel-Crafts reaction catalyzed by a spiropyrrolidine organocatalyst: Enantioselective construction of indolizine and azepine frameworks. <i>Tetrahedron Letters</i> , 2018, 59, 4015-4018.	1.4	12
39	Metal-Controlled, Regioselective, Direct Intermolecular α - or β -Amination with Azodicarboxylates. <i>Organic Letters</i> , 2018, 20, 3469-3472.	4.6	26
40	Electrophilic Trifluoromethylthiolation/Semipinacol Rearrangement: Preparation of β -SCF ₃ Carbonyl Compounds with α -Quaternary Carbon Center. <i>Organic Letters</i> , 2018, 20, 4227-4230.	4.6	40
41	Experimental and computational studies on H ₂ O-promoted, Rh-catalyzed transient-ligand-free <i>ortho</i> -C(sp ²)-H amidation of benzaldehydes with dioxazolones. <i>Chemical Communications</i> , 2018, 54, 8889-8892.	4.1	35
42	A Facile Approach to Oximes and Ethers by a Tandem NO ⁺ -Initiated Semipinacol Rearrangement and H-Elimination. <i>Angewandte Chemie</i> , 2018, 130, 13376-13380.	2.0	7
43	A Facile Approach to Oximes and Ethers by a Tandem NO ⁺ -Initiated Semipinacol Rearrangement and H-Elimination. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 13192-13196.	13.8	26
44	Transition Metal-Controlled Direct Regioselective Intermolecular Amidation of C-H Bonds with Azodicarboxylates: Scope, Mechanistic Studies, and Applications. <i>Advanced Synthesis and Catalysis</i> , 2018, 360, 4205-4214.	4.3	13
45	Palladium-Catalyzed Direct Intermolecular Amination of Unactivated Methylene C(sp ³)-H Bonds with Azodiformates via Bidentate-Chelation Assistance. <i>ACS Catalysis</i> , 2017, 7, 2042-2046.	11.2	46
46	Copper-Catalyzed Selective <i>ortho</i> -C-H/N-H Annulation of Benzamides with Arynes: Synthesis of Phenanthridinone Alkaloids. <i>Organic Letters</i> , 2017, 19, 1764-1767.	4.6	77
47	Stereoselective Synthesis of <i>Z</i> -Vinylsilanes via Palladium-Catalyzed Direct Intermolecular Silylation of C(sp ²)-H Bonds. <i>Organic Letters</i> , 2017, 19, 5216-5219.	4.6	46
48	Catalytic Asymmetric Cascade Using Spiro-Pyrrolidine Organocatalyst: Efficient Construction of Hydrophenanthridine Derivatives. <i>Organic Letters</i> , 2017, 19, 6618-6621.	4.6	23
49	Palladium-catalyzed direct intermolecular silylation of remote unactivated C(sp ³)-H bonds. <i>Chemical Communications</i> , 2016, 52, 13151-13154.	4.1	62
50	Gold(I)/Copper(II)-Cocatalyzed Tandem Cyclization/Semipinacol Reaction: Construction of α -Aza/Oxa-spiro[4.5]decane Skeletons and Formal Synthesis of α -Halichlorine. <i>Advanced Synthesis and Catalysis</i> , 2015, 357, 747-752.	4.3	20
51	Tandem C-H oxidation/cyclization/rearrangement and its application to asymmetric syntheses of (α)-brussonol and (α)-przewalskine E. <i>Nature Communications</i> , 2015, 6, 7332.	12.8	40
52	Palladium-catalyzed alkylation of unactivated C(sp ³)-H bonds with primary alkyl iodides at room temperature: facile synthesis of β -alkyl α -amino acids. <i>Organic Chemistry Frontiers</i> , 2015, 2, 1318-1321.	4.5	35
53	Pd-Catalyzed Monoselective <i>ortho</i> -C-H Alkylation of <i>N</i> -Quinoyl Benzamides: Evidence for Stereoretentive Coupling of Secondary Alkyl Iodides. <i>Journal of the American Chemical Society</i> , 2015, 137, 531-539.	13.7	152
54	A Synthetic Approach for Constructing the 3/6/6/5-Fused Tetracyclic Skeleton of Tenuipesine A. <i>Chemistry - an Asian Journal</i> , 2014, 9, 724-727.	3.3	4

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55	Palladium-Catalyzed Stereoretentive Olefination of Unactivated C(sp ³)-H Bonds with Vinyl Iodides at Room Temperature: Synthesis of β -Vinyl α -Amino Acids. <i>Organic Letters</i> , 2014, 16, 6260-6263.	4.6	108
56	Total Synthesis of Hibispeptin A via Pd-Catalyzed C(sp ³)-H Arylation with Sterically Hindered Aryl Iodides. <i>Organic Letters</i> , 2014, 16, 6488-6491.	4.6	80
57	Palladium-Catalyzed Picolinamide-Directed Acetoxylation of Unactivated β -C-H Bonds of Alkylamines. <i>Advanced Synthesis and Catalysis</i> , 2014, 356, 1544-1548.	4.3	80
58	Palladium-catalyzed trifluoroacetate-promoted mono-arylation of the β -methyl group of alanine at room temperature: synthesis of β -arylated α -amino acids through sequential C-H functionalization. <i>Chemical Science</i> , 2014, 5, 3952.	7.4	124
59	Copper-Catalyzed Carboxamide-Directed <i>ortho</i> -Amination of Anilines with Alkylamines at Room Temperature. <i>Organic Letters</i> , 2014, 16, 1764-1767.	4.6	187
60	Palladium-catalyzed picolinamide-directed halogenation of ortho C-H bonds of benzylamine substrates. <i>Tetrahedron</i> , 2014, 70, 4197-4203.	1.9	39
61	Stereoselective Synthesis of β -Alkylated α -Amino Acids via Palladium-Catalyzed Alkylation of Unactivated Methylene C(sp ³)-H Bonds with Primary Alkyl Halides. <i>Journal of the American Chemical Society</i> , 2013, 135, 12135-12141.	13.7	315
62	Use of a Readily Removable Auxiliary Group for the Synthesis of Pyrrolidones by the Palladium-Catalyzed Intramolecular Amination of Unactivated β -C-H Bonds. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 11124-11128.	13.8	275
63	Toward the natural didemnaketal A: total synthesis of the isomer of didemnaketal A. <i>Tetrahedron Letters</i> , 2013, 54, 6514-6516.	1.4	4
64	Palladium-Catalyzed Picolinamide-Directed Alkylation of Unactivated C(sp ³)-H Bonds with Alkyl Iodides. <i>Journal of the American Chemical Society</i> , 2013, 135, 2124-2127.	13.7	357
65	Iodination of Remote <i>ortho</i> -C-H Bonds of Arenes via Directed S _E Ar: A Streamlined Synthesis of Tetrahydroquinolines. <i>Organic Letters</i> , 2013, 15, 3440-3443.	4.6	48
66	Cascade Oxidative Dearomatization/Semipinacol Rearrangement: An Approach to β -Spirocyclo β -oxindole Derivatives. <i>Chemistry - an Asian Journal</i> , 2013, 8, 883-887.	3.3	39
67	Direct Syntheses of Spiro- and Fused-Hydrofurans by a Tunable Tandem Semipinacol Rearrangement/Oxa-Michael Addition Protocol. <i>Chemistry - A European Journal</i> , 2013, 19, 5246-5249.	3.3	15
68	Synthesis of phenanthridines via palladium-catalyzed picolinamide-directed sequential C-H functionalization. <i>Beilstein Journal of Organic Chemistry</i> , 2013, 9, 891-899.	2.2	32
69	Tandem Semipinacol-Type 1,2-Carbon Migration/Aldol Reaction toward the Construction of [5-6-7] All-Carbon Tricyclic Core of <i>Calyciphylline</i> A-Type Alkaloids. <i>Organic Letters</i> , 2012, 14, 5114-5117.	4.6	49
70	Highly Efficient Syntheses of Azetidines, Pyrrolidines, and Indolines via Palladium Catalyzed Intramolecular Amination of C(sp ³)-H and C(sp ²)-H Bonds at β and γ Positions. <i>Journal of the American Chemical Society</i> , 2012, 134, 3-6.	13.7	515
71	Efficient Alkyl Ether Synthesis via Palladium-Catalyzed, Picolinamide-Directed Alkoxylation of Unactivated C(sp ³)-H and C(sp ²)-H Bonds at Remote Positions. <i>Journal of the American Chemical Society</i> , 2012, 134, 7313-7316.	13.7	321
72	Organocatalytic Asymmetric Direct C-H Functionalization of Ethers: A Highly Efficient Approach to Chiral Spiroethers. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 8811-8815.	13.8	111

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73	Formal Synthesis of (±)-Cephalotaxine Based on a Tandem Hydroamination/Semipinacol Rearrangement Reaction. <i>Chemistry - an Asian Journal</i> , 2012, 7, 894-898.	3.3	61
74	Studies on the Total Synthesis of 8-epi-Liphagal. <i>Acta Chimica Sinica</i> , 2012, 70, 2232.	1.4	6
75	Direct $\text{sp}^3\text{-C-H}$ activation and functionalization of alcohol and ether. <i>Chemical Society Reviews</i> , 2011, 40, 1937.	38.1	446
76	Development of the Intramolecular Prins Cyclization/Schmidt Reaction for the Construction of the Azaspiro[4,4]nonane: Application to the Formal Synthesis of (±)-Stemonamine. <i>Organic Letters</i> , 2011, 13, 724-727.	4.6	67
77	Selective fluorescent probes for live-cell monitoring of sulphide. <i>Nature Communications</i> , 2011, 2, 495.	12.8	472
78	Chiral Br_2 -Promoted Enantioselective Desymmetrization in an Intramolecular Schmidt Reaction of Symmetric Azido 1,3-Hexanediones: Asymmetric Synthesis of Azaquaternary Pyrroloazepine Skeletons. <i>Chemistry - an Asian Journal</i> , 2011, 6, 1344-1347.	3.3	25
79	Iron-Catalyzed $\text{C}(\text{sp}^3)\text{-C}(\text{sp}^3)$ Bond Formation through $\text{C}(\text{sp}^3)\text{-H}$ Functionalization: A Cross-Coupling Reaction of Alcohols with Alkenes. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 8761-8765.	13.8	132
80	A $\text{RhCl}(\text{PPh}_3)_3/\text{BF}_3\cdot\text{OEt}_2$ co-promoted direct C-C cross-coupling of alcohols at β -position with aldehydes. <i>Tetrahedron Letters</i> , 2009, 50, 4178-4181.	1.4	12
81	Cross-Coupling Reaction between Alcohols through $\text{sp}^3\text{-C-H}$ Activation Catalyzed by a Ruthenium/Lewis Acid System. <i>Chemistry - A European Journal</i> , 2008, 14, 10201-10205.	3.3	48
82	Palladium-Catalyzed/Lewis Acid-Promoted Alkene Dimerization and Cross-Coupling with Alcohols via C-H Bond Activation. <i>Advanced Synthesis and Catalysis</i> , 2008, 350, 552-556.	4.3	53
83	A Direct C-H Cross-Coupling of Alcohols at the β -Position with Aldehydes under Co-Promotion of Tris(triphenylphosphine)rhodium Chloride/Boron Trifluoride Etherate. <i>Advanced Synthesis and Catalysis</i> , 2008, 350, 2189-2193.	4.3	5
84	A coupling reaction between tetrahydrofuran and olefins by Rh-catalyzed/Lewis acid-promoted C-H activation. <i>Tetrahedron Letters</i> , 2008, 49, 4652-4654.	1.4	16
85	Tandem Aziridination/Rearrangement Reaction of Allylic Alcohols: An Efficient Approach to 2-Quaternary Mannich Bases. <i>Organic Letters</i> , 2008, 10, 4943-4946.	4.6	32
86	Prolinamide/PPTS-Catalyzed Hajos-Parrish Annulation: Efficient Approach to the Tricyclic Core of Cylindricine-Type Alkaloids. <i>Synlett</i> , 2008, 2008, 2831-2835.	1.8	11
87	Asymmetric Synthesis of the $\text{C}(17)\text{-C}(28)$ Subunit of Didemnaketal B. <i>Chinese Journal of Chemistry</i> , 2007, 25, 1357-1362.	4.9	4
88	An alternative synthetic approach towards erythrinan and homoerythrinan alkaloids by tandem semipinacol/intramolecular Schmidt reaction. <i>Chinese Chemical Letters</i> , 2007, 18, 917-919.	9.0	5
89	General and Efficient Strategy for Erythrinan and Homoerythrinan Alkaloids: Syntheses of (±)-3-Demethoxyerythratidinone and (±)-Erysotramidine. <i>Organic Letters</i> , 2006, 8, 2373-2376.	4.6	53
90	Quinine/selectfluor combination induced asymmetric semipinacol rearrangement of allylic alcohols: an effective and enantioselective approach to β -quaternary β -fluoro aldehydes. <i>Chemical Communications</i> , 2005, , 5580.	4.1	77

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91	An Efficient Total Synthesis of (±)-Lycoramine. <i>Organic Letters</i> , 2004, 6, 4691-4694.	4.6	66
92	First Synthesis of (+)-2,14-Deoxyalato from (-)-Santonin. <i>Chinese Journal of Chemistry</i> , 2004, 22, 377-383.	4.9	3
93	A General Efficient Strategy for cis-3a-Aryloctahydroindole Alkaloids via Stereocontrolled ZnBr ₂ -Catalyzed Rearrangement of 2,3-Aziridino Alcohols. <i>Organic Letters</i> , 2003, 5, 2319-2321.	4.6	46
94	Using Computational Chemistry to Improve Students'™ Multidimensional Understanding of Complex Electrophilic Aromatic Substitution Reactions: Further Analysis of the Solvent Effect, Temperature Influence, and Kinetic Behaviors. <i>Journal of Chemical Education</i> , 0, , .	2.3	7