

Shu-Yu Zhang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3262905/publications.pdf>

Version: 2024-02-01

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	Highly Efficient Syntheses of Azetidines, Pyrrolidines, and Indolines via Palladium Catalyzed Intramolecular Amination of C(sp ³)â€“H and C(sp ²)â€“H Bonds at Î³ and Î´ Positions. <i>Journal of the American Chemical Society</i> , 2012, 134, 3-6.	13.7	515
2	Selective fluorescent probes for live-cell monitoring of sulphide. <i>Nature Communications</i> , 2011, 2, 495.	12.8	472
3	Direct Sp ³ â€“Câ€“H activation and functionalization of alcohol and ether. <i>Chemical Society Reviews</i> , 2011, 40, 1937.	38.1	446
4	Palladium-Catalyzed Picolinamide-Directed Alkylation of Unactivated C(sp ³)â€“H Bonds with Alkyl Iodides. <i>Journal of the American Chemical Society</i> , 2013, 135, 2124-2127.	13.7	357
5	Efficient Alkyl Ether Synthesis via Palladium-Catalyzed, Picolinamide-Directed Alkoxylation of Unactivated C(sp ³)â€“H and C(sp ²)â€“H Bonds at Remote Positions. <i>Journal of the American Chemical Society</i> , 2012, 134, 7313-7316.	13.7	321
6	Stereoselective Synthesis of Î²-Alkylated Î±-Amino Acids via Palladium-Catalyzed Alkylation of Unactivated Methylene C(sp ³)â€“H Bonds with Primary Alkyl Halides. <i>Journal of the American Chemical Society</i> , 2013, 135, 12135-12141.	13.7	315
7	Use of a Readily Removable Auxiliary Group for the Synthesis of Pyrrolidones by the Palladiumâ€“Catalyzed Intramolecular Amination of Unactivated Î³ C(sp ³)â€“H Bonds. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 11124-11128.	13.8	275
8	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
9	Pd-Catalyzed Monoselective <i>ortho</i>-Câ€“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
10	Ironâ€“Catalyzed C(sp ³)â€“C(sp ³) Bond Formation through C(sp ³)â€“H Functionalization: A Crossâ€“Coupling Reaction of Alcohols with Alkenes. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 8761-8765.	13.8	132
11	Palladium-catalyzed trifluoroacetate-promoted mono-arylation of the Î²-methyl group of alanine at room temperature: synthesis of Î²-arylated Î±-amino acids through sequential Câ€“H functionalization. <i>Chemical Science</i> , 2014, 5, 3952.	7.4	124
12	Organocatalytic Asymmetric Direct Câ€“H Functionalization of Ethers: A Highly Efficient Approach to Chiral Spiroethers. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 8811-8815.	13.8	111
13	Palladium-Catalyzed Stereoretentive Olefination of Unactivated C(sp ³)â€“H Bonds with Vinyl Iodides at Room Temperature: Synthesis of Î²-Vinyl Î±-Amino Acids. <i>Organic Letters</i> , 2014, 16, 6260-6263.	4.6	108
14	Total Synthesis of Hibispeptin A via Pd-Catalyzed C(sp ³)â€“H Arylation with Sterically Hindered Aryl Iodides. <i>Organic Letters</i> , 2014, 16, 6488-6491.	4.6	80
15	Palladiumâ€“Catalyzed Picolinamideâ€“Directed Acetoxylation of Unactivated Î³â€“C(<i>sp</i>³)â€“H Bonds of Alkylamines. <i>Advanced Synthesis and Catalysis</i> , 2014, 356, 1544-1548.	4.3	80
16	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
17	Quinine/selectfluor combination induced asymmetric semipinacol rearrangement of allylic alcohols: an effective and enantioselective approach to Î±-quaternary Î²-fluoro aldehydes. <i>Chemical Communications</i> , 2005, , 5580.	4.1	77
18	Copper-Catalyzed Selective <i>ortho</i>-Câ€“H/Nâ€“H Annulation of Benzamides with Arynes: Synthesis of Phenanthridinone Alkaloids. <i>Organic Letters</i> , 2017, 19, 1764-1767.	4.6	77

#	ARTICLE	IF	CITATIONS
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	Electrochemical Semipinacol Rearrangements of Allylic Alcohols: Construction of All-Carbon Quaternary Stereocenters. <i>Organic Letters</i> , 2019, 21, 2536-2540.	4.6	74
21	Copper-Complex-Catalyzed Asymmetric Aerobic Oxidative Cross-Coupling of 2-Naphthols: Enantioselective Synthesis of 3,3-Substituted C_{11} -Symmetric BINOLs. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 11023-11027.	13.8	73
22	Development of the Intramolecular Prins Cyclization/Schmidt Reaction for the Construction of the Azaspiro[4,4]nonane: Application to the Formal Synthesis of (\pm)-Stemonamine. <i>Organic Letters</i> , 2011, 13, 724-727.	4.6	67
23	An Efficient Total Synthesis of (\pm)-Lycoramine. <i>Organic Letters</i> , 2004, 6, 4691-4694.	4.6	66
24	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
25	Palladium-catalyzed direct intermolecular silylation of remote unactivated $C(sp^3)$ -H bonds. <i>Chemical Communications</i> , 2016, 52, 13151-13154.	4.1	62
26	Formal Synthesis of (\pm)-Cephalotaxine Based on a Tandem Hydroamination/Semipinacol Rearrangement Reaction. <i>Chemistry - an Asian Journal</i> , 2012, 7, 894-898.	3.3	61
27	Lewis Base/Brønsted Acid Co-catalyzed Enantioselective Sulfonylation/Semipinacol Rearrangement of Di- and Trisubstituted Allylic Alcohols. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 12491-12496.	13.8	54
28	General and Efficient Strategy for Erythrinan and Homoerythrinan Alkaloids: 100% Syntheses of (\pm)-3-Demethoxyerythratidinone and (\pm)-Erysotramidine. <i>Organic Letters</i> , 2006, 8, 2373-2376.	4.6	53
29	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
30	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
31	Tandem Semipinacol-Type 1,2-Carbon Migration/Aldol Reaction toward the Construction of [5-6-7] All-Carbon Tricyclic Core of Calyciphylline A-Type Alkaloids. <i>Organic Letters</i> , 2012, 14, 5114-5117.	4.6	49
32	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
33	Cross-Coupling Reaction between Alcohols through sp^3 -C-H Activation Catalyzed by a Ruthenium/Lewis Acid System. <i>Chemistry - A European Journal</i> , 2008, 14, 10201-10205.	3.3	48
34	Iodination of Remote Ortho-C-H Bonds of Arenes via Directed S_EAr : A Streamlined Synthesis of Tetrahydroquinolines. <i>Organic Letters</i> , 2013, 15, 3440-3443.	4.6	48
35	Dual Directing-Groups-Assisted Redox-Neutral Annulation and Ring Opening of N -Aryloxyacetamides with 1-Alkynylcyclobutanols via Rhodium(III)-Catalyzed C-H/C-C Activations. <i>Organic Letters</i> , 2019, 21, 2823-2827.	4.6	47
36	A General Efficient Strategy for β -Aryloctahydroindole Alkaloids via Stereocontrolled $ZnBr_2$ -Catalyzed Rearrangement of 2,3-Aziridino Alcohols. <i>Organic Letters</i> , 2003, 5, 2319-2321.	4.6	46

#	ARTICLE	IF	CITATIONS
37	Palladium-Catalyzed Direct Intermolecular Amination of Unactivated Methylene C(sp ³)â€“H Bonds with Azodiformates via Bidentate-Chelation Assistance. <i>ACS Catalysis</i> , 2017, 7, 2042-2046.	11.2	46
38	Stereoselective Synthesis of <i>ortho</i> -Vinylsilanes via Palladium-Catalyzed Direct Intermolecular Silylation of C(sp ²)â€“H Bonds. <i>Organic Letters</i> , 2017, 19, 5216-5219.	4.6	46
39	Copperâ€“Complexâ€“Catalyzed Asymmetric Aerobic Oxidative Crossâ€“Coupling of 2â€“Naphthols: Enantioselective Synthesis of 3,3â€“Substituted C 1 â€“Symmetric BINOLs. <i>Angewandte Chemie</i> , 2019, 131, 11139-11143.	2.0	46
40	Rhodium(III)-Catalyzed Redox-Neutral Cascade [3 + 2] Annulation of <i>N</i> -Phenoxyacetamides with Propiolates via Câ€“H Functionalization/Isomerization/Lactonization. <i>Organic Letters</i> , 2018, 20, 7131-7136.	4.6	45
41	Organocatalytic Enantioselective Construction of Heterocycle-Substituted Styrenes with Chiral Atropisomerism. <i>Organic Letters</i> , 2020, 22, 2448-2453.	4.6	43
42	Cobalt-Catalyzed <i>ortho</i> -C(sp ²)â€“H Amidation of Benzaldehydes with Dioxazolones Using Transient Directing Groups. <i>Organic Letters</i> , 2019, 21, 7342-7345.	4.6	42
43	Tandem Câ€“H oxidation/cyclization/rearrangement and its application to asymmetric syntheses of (âˆ“)â€“brussonol and (âˆ“)â€“przewalskine E. <i>Nature Communications</i> , 2015, 6, 7332.	12.8	40
44	Electrophilic Trifluoromethylthiolation/Semipinacol Rearrangement: Preparation of Î²-SCF ₃ Carbonyl Compounds with Î±-Quaternary Carbon Center. <i>Organic Letters</i> , 2018, 20, 4227-4230.	4.6	40
45	Cascade Oxidative Dearomatization/Semipinacol Rearrangement: An Approach to 2â€“Spirocycloâ€“oxindole Derivatives. <i>Chemistry - an Asian Journal</i> , 2013, 8, 883-887.	3.3	39
46	Palladium-catalyzed picolinamide-directed halogenation of <i>ortho</i> Câ€“H bonds of benzylamine substrates. <i>Tetrahedron</i> , 2014, 70, 4197-4203.	1.9	39
47	Remote C6-Enantioselective Câ€“H Functionalization of 2,3-Disubstituted Indoles through the Dual H-Bonds and Î€â€“Î€ Interaction Strategy Enabled by CPAs. <i>Organic Letters</i> , 2019, 21, 8662-8666.	4.6	39
48	Palladium-catalyzed alkylation of unactivated C(sp ³)â€“H bonds with primary alkyl iodides at room temperature: facile synthesis of Î²-alkyl Î±-amino acids. <i>Organic Chemistry Frontiers</i> , 2015, 2, 1318-1321.	4.5	35
49	Experimental and computational studies on H ₂ O-promoted, Rh-catalyzed transient-ligand-free <i>ortho</i> -C(sp ²)â€“H amidation of benzaldehydes with dioxazolones. <i>Chemical Communications</i> , 2018, 54, 8889-8892.	4.1	35
50	Computational and experimental studies on copper-mediated selective cascade Câ€“H/Nâ€“H annulation of electron-deficient acrylamide with arynes. <i>Chemical Communications</i> , 2019, 55, 755-758.	4.1	33
51	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
52	Synthesis of phenanthridines via palladium-catalyzed picolinamide-directed sequential Câ€“H functionalization. <i>Beilstein Journal of Organic Chemistry</i> , 2013, 9, 891-899.	2.2	32
53	Highly Chemo-, Site-, and Enantioselective <i>para</i> -Câ€“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
54	High heat-resistant polyimide films containing quinoxaline moiety for flexible substrate applications. <i>Polymer</i> , 2020, 209, 122963.	3.8	31

#	ARTICLE	IF	CITATIONS
55	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> -Aminal Indole Derivatives. <i>Organic Letters</i> , 2019, 21, 2795-2799.	4.6	27
56	Metal-Controlled, Regioselective, Direct Intermolecular α - or β -Amination with Azodicarboxylates. <i>Organic Letters</i> , 2018, 20, 3469-3472.	4.6	26
57	A Facile Approach to Oximes and Ethers by a Tandem NO ₂ -Initiated Semipinacol Rearrangement and α -Elimination. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 13192-13196.	13.8	26
58	Asymmetric Organocatalytic Synthesis of 2,3-Allenamides from Hydrogen-Bond-Stabilized Enynamides. <i>Organic Letters</i> , 2019, 21, 2468-2472.	4.6	26
59	Chiral Brønsted Acid-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
60	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
61	Catalytic Asymmetric Cascade Using Spiro-Pyrrolidine Organocatalyst: Efficient Construction of Hydrophenanthridine Derivatives. <i>Organic Letters</i> , 2017, 19, 6618-6621.	4.6	23
62	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
63	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
64	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
65	Total Synthesis of Fawcettimine-Type Alkaloid, Lycojaponicum A. <i>Organic Letters</i> , 2020, 22, 3775-3779.	4.6	16
66	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
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	Fe-Catalyzed Sequential C(sp ³)-H/ α -H Annulation of 2-Methylindoles with Ethyl Trifluoropyruvate at Room Temperature: Construction of Pyrrolo[1,2- β]indoles. <i>Organic Letters</i> , 2020, 22, 4716-4720.	4.6	15
69	Paired Electrolysis Enabled Ni-Catalyzed Unconventional Cascade Reductive Thiolation Using Sulfonates. <i>Journal of Organic Chemistry</i> , 2021, 86, 15326-15334.	3.2	15
70	Organocatalytic Direct Asymmetric Indolization from Anilines by Enantioselective [3 + 2] Annulation. <i>Organic Letters</i> , 2021, 23, 8434-8438.	4.6	15
71	Base-Promoted Cobalt-Catalyzed Regio- and Enantioselective <i>para</i> -Friedel-Crafts Alkylation of Aniline Derivatives. <i>Organic Letters</i> , 2021, 23, 9353-9359.	4.6	15
72	Biinspired Palladium-Catalyzed Intramolecular C(sp ³)-H Activation for the Collective Synthesis of Proline Natural Products. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	15

#	ARTICLE	IF	CITATIONS
73	Bromine and oxygen redox species mediated highly selective electro-epoxidation of styrene. <i>Organic Chemistry Frontiers</i> , 2022, 9, 436-444.	4.5	14
74	Transition Metal-Catalyzed 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
75	A RhCl(PPh ₃) ₃ /BF ₃ ·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
76	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
77	Co-Catalyzed Direct Regio- and Enantioselective Intermolecular β -Amination of <i>N</i> -Acylpyrazoles. <i>Organic Letters</i> , 2021, 23, 25-30.	4.6	12
78	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
79	Lewis Base/Bronsted Acid Co-catalyzed Enantioselective Sulfonylation/Semipinacol Rearrangement of Di- and Trisubstituted Allylic Alcohols. <i>Angewandte Chemie</i> , 2019, 131, 12621-12626.	2.0	11
80	A Facile Approach to Oximes and Ethers by a Tandem NO ⁺ -Initiated Semipinacol Rearrangement and β -Elimination. <i>Angewandte Chemie</i> , 2018, 130, 13376-13380.	2.0	7
81	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
82	Studies on the Total Synthesis of 8-epi-Liphagal. <i>Acta Chimica Sinica</i> , 2012, 70, 2232.	1.4	6
83	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
84	A Direct C-C 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
85	Asymmetric Synthesis of the C(17)-C(28) Subunit of Didemnaketal B. <i>Chinese Journal of Chemistry</i> , 2007, 25, 1357-1362.	4.9	4
86	Toward the natural didemnaketal A: total synthesis of the isomer of didemnaketal A. <i>Tetrahedron Letters</i> , 2013, 54, 6514-6516.	1.4	4
87	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
88	A dienamine-mediated deconjugative addition/cyclization cascade of β,β -disubstituted enals with carboxylic acid-activated enones: a rapid access to highly functionalized β -lactones. <i>Organic Chemistry Frontiers</i> , 2020, 7, 571-577.	4.5	4
89	Highly Site- and Enantioselective N-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
90	First Synthesis of (+)-Deoxyalatalol from \pm -Santonin. <i>Chinese Journal of Chemistry</i> , 2004, 22, 377-383.	4.9	3

#	ARTICLE	IF	CITATIONS
91	DFT and experimental studies on Rh(III)-catalyzed dual directing-groups-assisted [3+2] annulation and ring-opening of N-aryloxyacetamides with 1-(phenylethynyl)cycloalkanol. <i>Tetrahedron Letters</i> , 2021, 69, 152979.	1.4	3
92	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
93	Bioinspired Palladium-Catalyzed Intramolecular C ³ -H Activation for the Collective Synthesis of Proline Natural Products. <i>Angewandte Chemie</i> , 2022, 134, .	2.0	3
94	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