

# Yanghui Zhang

## List of Publications by Year in descending order

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61  
papers

4,646  
citations

172457

29  
h-index

118850

62  
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73  
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73  
docs citations

73  
times ranked

3612  
citing authors

#	ARTICLE	IF	CITATIONS
1	Pd <sup>II</sup> -Catalyzed Enantioselective Activation of C(sp <sup>2</sup> )–H and C(sp <sup>3</sup> )–H Bonds Using Monoprotected Amino Acids as Chiral Ligands. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 4882-4886.	13.8	617
2	Pd(II)-Catalyzed Olefination of Electron-Deficient Arenes Using 2,6-Dialkylpyridine Ligands. <i>Journal of the American Chemical Society</i> , 2009, 131, 5072-5074.	13.7	512
3	Pd(II)-Catalyzed Enantioselective C–H Olefination of Diphenylacetic Acids. <i>Journal of the American Chemical Society</i> , 2010, 132, 460-461.	13.7	427
4	Divergent C–H Functionalizations Directed by Sulfonamide Pharmacophores: Late-Stage Diversification as a Tool for Drug Discovery. <i>Journal of the American Chemical Society</i> , 2011, 133, 7222-7228.	13.7	426
5	Pd(II)-Catalyzed Hydroxylation of Arenes with 1 atm of O <sub>2</sub> or Air. <i>Journal of the American Chemical Society</i> , 2009, 131, 14654-14655.	13.7	399
6	Palladium(II)-Catalyzed <i>ortho</i> Alkylation of Benzoic Acids with Alkyl Halides. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 6097-6100.	13.8	255
7	Carboxylate-Directed C–H Functionalization. <i>Advanced Synthesis and Catalysis</i> , 2014, 356, 1419-1442.	4.3	171
8	Palladium-Catalyzed C–H Silylation through Palladacycles Generated from Aryl Halides. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 3233-3237.	13.8	119
9	Silver-Catalyzed C–H Trifluoromethylation of Arenes Using Trifluoroacetic Acid as the Trifluoromethylating Reagent. <i>Organic Letters</i> , 2015, 17, 38-41.	4.6	115
10	Palladium-Catalyzed Benzoylation of Carboxylic Acids with Toluene via Benzylic C–H Activation. <i>Organic Letters</i> , 2013, 15, 4098-4101.	4.6	97
11	Palladium-Catalyzed C–H Ethoxycarbonyldifluoromethylation of Electron-Rich Heteroarenes. <i>Organic Letters</i> , 2015, 17, 2652-2655.	4.6	76
12	Synthesis of Fluorenes Starting from 2-Iodobiphenyls and CH <sub>2</sub> Br <sub>2</sub> through Palladium-Catalyzed Dual C–C Bond Formation. <i>Organic Letters</i> , 2016, 18, 2958-2961.	4.6	75
13	An approach to spirooxindoles via palladium-catalyzed remote C–H activation and dual alkylation with CH <sub>2</sub> Br <sub>2</sub> . <i>Chemical Communications</i> , 2017, 53, 10429-10432.	4.1	69
14	Modulation of Innate Immune Responses with Synthetic Lipid A Derivatives. <i>Journal of the American Chemical Society</i> , 2007, 129, 5200-5216.	13.7	67
15	Palladium-Catalyzed Alkylation with Alkyl Halides by C(sp <sup>3</sup> )–H Activation. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 12288-12291.	13.8	65
16	Synthesis of Triphenylenes Starting from 2-Iodobiphenyls and Iodobenzenes via Palladium-Catalyzed Dual C–H Activation and Double C–C Bond Formation. <i>Organic Letters</i> , 2016, 18, 5192-5195.	4.6	62
17	An Approach to Tetraphenylenes via Pd-Catalyzed C–H Functionalization. <i>Organic Letters</i> , 2016, 18, 2032-2035.	4.6	59
18	Innate Immune Responses of Synthetic Lipid A Derivatives of <i>Neisseria meningitidis</i> . <i>Chemistry - A European Journal</i> , 2008, 14, 558-569.	3.3	56

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19	Pd(II)-Catalyzed Catellani-Type Domino Reaction Utilizing Arylboronic Acids as Substrates. <i>ACS Catalysis</i> , 2018, 8, 3775-3779.	11.2	56
20	Enantioselective synthesis of quaternary 3,4-dihydroisoquinolinones via Heck carbonylation reactions: development and application to the synthesis of Minalrestat analogues. <i>Chemical Science</i> , 2019, 10, 9853-9858.	7.4	49
21	Differential Induction of Innate Immune Responses by Synthetic Lipid A Derivatives*. <i>Journal of Biological Chemistry</i> , 2010, 285, 29375-29386.	3.4	48
22	Sequential Difunctionalization of 2-Iodobiphenyls by Exploiting the Reactivities of a Palladacycle and an Acyclic Arylpalladium Species. <i>Organic Letters</i> , 2016, 18, 2130-2133.	4.6	48
23	Synthesis of 3,4-Fused Tricyclic Indoles through Cascade Carbopalladation and C-H Amination: Development and Total Synthesis of Rucaparib. <i>Organic Letters</i> , 2020, 22, 4985-4989.	4.6	47
24	Synthetic tetra-acylated derivatives of lipid A from <i>Porphyromonas gingivalis</i> are antagonists of human TLR4. <i>Organic and Biomolecular Chemistry</i> , 2008, 6, 3371.	2.8	42
25	Synthesis of Carbazoles from 2-Iodobiphenyls by Palladium-Catalyzed C-H Activation and Amination with Diaziridinone. <i>Advanced Synthesis and Catalysis</i> , 2018, 360, 887-892.	4.3	41
26	Synthesis of Indoles through Palladium-Catalyzed Three-Component Reaction of Aryl Iodides, Alkynes, and Diaziridinone. <i>Organic Letters</i> , 2018, 20, 6440-6443.	4.6	39
27	Synthesis of 9,9-Disubstituted Fluorenes from 2-Iodobiphenyls and $\pm$ -Diazoesters under Palladium Catalysis. <i>Journal of Organic Chemistry</i> , 2018, 83, 1065-1072.	3.2	37
28	Oxalic acid as the in situ carbon monoxide generator in palladium-catalyzed hydroxycarbonylation of arylhalides. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 5033-5040.	2.8	32
29	Palladium-catalyzed sequential three-component reactions to access vinylsilanes. <i>Chemical Communications</i> , 2018, 54, 10598-10601.	4.1	31
30	Palladium-Catalyzed Dual Coupling Reaction of 2-Iodobiphenyls with <i>o</i> -Bromoanilines through C-H Activation: An Approach for the Synthesis of Tribenzo[ <i>bcd</i> ]azepines. <i>Organic Letters</i> , 2021, 23, 1239-1242.	4.6	30
31	Ligand-Promoted Oxidative Cross-Coupling of Aryl Boronic Acids and Aryl Silanes by Palladium Catalysis. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 4079-4082.	13.8	29
32	Synthesis of Indolines by Palladium-Catalyzed Intermolecular Amination of Unactivated C(sp <sup>3</sup> ) <sup>3</sup> -H Bonds. <i>Organic Letters</i> , 2019, 21, 6508-6512.	4.6	28
33	Copper-catalyzed amide bond formation from formamides and carboxylic acids. <i>Chinese Chemical Letters</i> , 2015, 26, 11-14.	9.0	27
34	Palladium-Catalyzed C-H Silylation through Palladacycles Generated from Aryl Halides. <i>Angewandte Chemie</i> , 2018, 130, 3287-3291.	2.0	25
35	Disilylation of Palladacycles that were Generated through the C-H Activation of Aryl Halides. <i>Asian Journal of Organic Chemistry</i> , 2018, 7, 1403-1410.	2.7	25
36	Pd-Catalyzed <i>ipso</i> , <i>meta</i> -Dimethylation of <i>ortho</i> -Substituted Iodoarenes via a Base-Controlled C-H Activation Cascade with Dimethyl Carbonate as the Methyl Source. <i>Journal of the American Chemical Society</i> , 2021, 143, 4524-4530.	13.7	24

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37	C(sp <sup>3</sup> )â€”H activation-enabled cross-coupling of two aryl halides: an approach to 9,10-dihydrophenanthrenes. <i>Chemical Communications</i> , 2020, 56, 10942-10945.	4.1	23
38	Palladium-catalyzed diastereoselective cross-coupling of two aryl halides <i>via</i> Câ€”H activation: synthesis of chiral eight-membered nitrogen heterocycles. <i>Chemical Communications</i> , 2021, 57, 2939-2942.	4.1	23
39	Pd-Catalyzed Câ€”H Silylation Reactions with Disilanes. <i>Synlett</i> , 2019, 30, 685-693.	1.8	22
40	Palladium-catalyzed Câ€”H alkylation of 2-phenylpyridines with alkyl iodides. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 5616-5624.	2.8	19
41	Synthesis of Benzimidazoles through Palladiumâ€”Catalyzed Amination of 2â€”iodobenzimines with Diaziridinone. <i>Advanced Synthesis and Catalysis</i> , 2019, 361, 739-746.	4.3	18
42	Palladiumâ€”Catalyzed Alkylation with Alkyl Halides by C(sp <sup>3</sup> )â€”H Activation. <i>Angewandte Chemie</i> , 2017, 129, 12456-12459.	2.0	17
43	The Synthesis of Benzofulvenes through Palladiumâ€”Catalyzed Sequential Threeâ€”Component Reactions. <i>Advanced Synthesis and Catalysis</i> , 2018, 360, 4480-4484.	4.3	17
44	Palladium-Catalyzed <i>anti</i> -Carbosilylation of Alkynes to Access Isoquinolinone-Containing Exocyclic Vinylsilanes. <i>Organic Letters</i> , 2021, 23, 5772-5776.	4.6	16
45	Copperâ€”Catalyzed Decarboxylative Methylation of Aromatic Carboxylic Acids with PhI(OAc) <sub>2</sub> . <i>European Journal of Organic Chemistry</i> , 2014, 2014, 2027-2031.	2.4	14
46	Palladiumâ€”Catalyzed Threeâ€”Component Reactions for the Synthesis of Norbornaneâ€”Fused Indanes. <i>Advanced Synthesis and Catalysis</i> , 2020, 362, 1496-1501.	4.3	14
47	A Versatile Approach for the Synthesis of para-Substituted Arenes via Palladium-Catalyzed Câ€”H Functionalization and Protodecarboxylation of Benzoic Acids. <i>Synlett</i> , 2016, 27, 277-281.	1.8	13
48	Intermolecular Câ€”H silylation through cascade carbopalladation and vinylic to aryl 1,4-palladium migration. <i>Chemical Communications</i> , 2021, 57, 9700-9703.	4.1	13
49	Amino acid-promoted Câ€”H alkylation with alkylboronic acids using a removable directing group. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 4585-4589.	2.8	12
50	The influence of the long chain fatty acid on the antagonistic activities of Rhizobium sin-1 lipid A. <i>Bioorganic and Medicinal Chemistry</i> , 2007, 15, 4800-4812.	3.0	11
51	Palladium-catalyzed intermolecular Câ€”H silylation initiated by aminopalladation. <i>Chemical Communications</i> , 2020, 56, 7801-7804.	4.1	11
52	Synthesis of 9-Fluorenylidenes via Pd-Catalyzed Câ€”H Vinylation with Vinyl Bromides. <i>Organic Letters</i> , 2021, 23, 7746-7750.	4.6	11
53	The 2-Aminogluconate Isomer of Rhizobium sin-1 Lipid A Can Antagonize TNF-Î± Production Induced by Enteric LPS. <i>ChemBioChem</i> , 2006, 7, 140-148.	2.6	10
54	Pd-catalyzed cross-electrophile Coupling/Câ€”H alkylation reaction enabled by a mediator generated via C(sp <sup>3</sup> )â€”H activation. <i>Chemical Science</i> , 2021, 12, 8531-8536.	7.4	10

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55	Easy Access to Difluoromethylene-Containing Arene Analogues through Palladium-Catalysed C-H Olefination. <i>European Journal of Organic Chemistry</i> , 2016, 2016, 5529-5538.	2.4	9
56	Diastereoselective Construction of Eight-Membered Carbocycles through Palladium-Catalyzed C(sp <sup>3</sup> )-H Functionalization. <i>Organic Letters</i> , 2021, 23, 1269-1274.	4.6	9
57	Copper-catalyzed highly efficient ester formation from carboxylic acids/esters and formates. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 2637-2640.	2.8	8
58	Palladium-Catalyzed Intramolecular Cross-Coupling of Unactivated C(sp <sup>3</sup> )-H and C(sp <sup>2</sup> )-H Bonds. <i>Organic Letters</i> , 2021, 23, 7161-7165.	4.6	7
59	Synthesis of 2-substituted tetraphenylenes via transition-metal-catalyzed derivatization of tetraphenylene. <i>Beilstein Journal of Organic Chemistry</i> , 2016, 12, 1302-1308.	2.2	4
60	Synthesis of Unsymmetrically Disubstituted Tetraphenylenes via Carbonyl-Directed C-H Functionalization. <i>Synlett</i> , 2016, 27, 1997-2002.	1.8	2
61	Synthesis of Spiroindenyl-2-Oxindoles through Palladium-Catalyzed Spirocyclization of 2-Bromoarylamides and Vinyl Bromides. <i>Molecules</i> , 2021, 26, 7496.	3.8	1