

Pu-Sheng Wang

List of Publications by Year in descending order

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papers

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citations

236925

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citing authors

#	ARTICLE	IF	CITATIONS
1	Chiral Counteranion Strategy for Asymmetric Oxidative C(sp ³)–H/C(sp ³)–H Coupling: Enantioselective α -Alkylation of Aldehydes with Terminal Alkenes. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 12218-12221.	13.8	211
2	Highly Enantioselective Allylic C–H Alkylation of Terminal Olefins with Pyrazol-5-ones Enabled by Cooperative Catalysis of Palladium Complex and Brønsted Acid. <i>Journal of the American Chemical Society</i> , 2016, 138, 14354-14361.	13.7	158
3	Asymmetric Allylic C–H Oxidation for the Synthesis of Chromans. <i>Journal of the American Chemical Society</i> , 2015, 137, 12732-12735.	13.7	124
4	Palladium-Catalyzed Asymmetric Allylic C–H Functionalization: Mechanism, Stereo- and Regioselectivities, and Synthetic Applications. <i>Accounts of Chemical Research</i> , 2020, 53, 2841-2854.	15.6	122
5	Nucleophile-Dependent <i>Z/E</i> - and Regioselectivity in the Palladium-Catalyzed Asymmetric Allylic C–H Alkylation of 1,4-Dienes. <i>Journal of the American Chemical Society</i> , 2019, 141, 5824-5834.	13.7	89
6	Access to Chiral Hydroypyrimidines through Palladium-Catalyzed Asymmetric Allylic C–H Amination. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 16032-16036.	13.8	68
7	An Organocatalytic Asymmetric Allylic Alkylation Allows Enantioselective Total Synthesis of Hydroxymetasequirin-A and Metasequirin-B Tetramethyl Ether Diacetates. <i>Organic Letters</i> , 2014, 16, 976-979.	4.6	61
8	Palladium(II)/Lewis Acid Synergistically Catalyzed Allylic C–H Olefination. <i>Organic Letters</i> , 2014, 16, 3332-3335.	4.6	59
9	Light-Mediated Asymmetric Aliphatic C–H Alkylation with Hydrogen Atom Transfer Catalyst and Chiral Phosphoric Acid. <i>ACS Catalysis</i> , 2020, 10, 4786-4790.	11.2	55
10	Recent Progress in Asymmetric Relay Catalysis of Metal Complex with Chiral Phosphoric Acid. <i>Topics in Current Chemistry</i> , 2020, 378, 9.	5.8	54
11	Asymmetric Allylic C–H Alkylation of Allyl Ethers with 2-Acylimidazoles. <i>Journal of the American Chemical Society</i> , 2019, 141, 10616-10620.	13.7	52
12	Merging Visible-Light Photoredox and Chiral Phosphate Catalysis for Asymmetric Friedel–Crafts Reaction with in Situ Generation of <i>N</i> -Acyl Imines. <i>Organic Letters</i> , 2019, 21, 2993-2997.	4.6	50
13	Enantioselective Synthesis of 5-Alkylated Thiazolidinones via Palladium-Catalyzed Asymmetric Allylic C–H Alkylations of 1,4-Pentadienes with 5-H-Thiazol-4-ones. <i>Organic Letters</i> , 2018, 20, 4740-4744.	4.6	47
14	Nucleophile Coordination Enabled Regioselectivity in Palladium-Catalyzed Asymmetric Allylic C–H Alkylation. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 16806-16810.	13.8	46
15	Enantioselective Relay Catalytic Cascade Intramolecular Hydrosilylation and Mukaiyama Aldol Reaction. <i>Chemistry - A European Journal</i> , 2013, 19, 6234-6238.	3.3	41
16	Monodentate Phosphorus Ligand-Enabled General Palladium-Catalyzed Allylic C–H Alkylation of Terminal Alkenes. <i>Organic Letters</i> , 2019, 21, 6720-6725.	4.6	41
17	A practical FeCl ₃ /HCl photocatalyst for versatile aliphatic C–H functionalization. <i>Chem Catalysis</i> , 2022, 2, 1211-1222.	6.1	41
18	Asymmetric α -Alkylation of Aldehydes with Alkynes by Integrating Chiral Hydridopalladium and Enamine Catalysis. <i>Organic Letters</i> , 2018, 20, 2403-2406.	4.6	40

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19	Light-Mediated Chiral Phosphate Catalysis for Asymmetric Dicarbofunctionalization of Enamides. <i>ACS Catalysis</i> , 2020, 10, 8247-8253.	11.2	40
20	Asymmetric Photocatalytic C(sp ³)-H Bond Addition to β -Substituted Acrylates. <i>Organic Letters</i> , 2021, 23, 3157-3161.	4.6	39
21	Transition-Metal-Catalyzed Asymmetric Allylation of Carbonyl Compounds with Unsaturated Hydrocarbons. <i>Synthesis</i> , 2018, 50, 956-967.	2.3	38
22	Relay Catalytic Cascade Hydrosilylation and Asymmetric Hetero-Diels-Alder Reaction. <i>Synthesis</i> , 2014, 46, 1355-1361.	2.3	32
23	Palladium-catalyzed asymmetric allylic C-H alkylation of 1,4-dienes and glycine Schiff bases. <i>Science China Chemistry</i> , 2020, 63, 454-459.	8.2	32
24	Palladium-Catalyzed Enantioselective C(sp ³)-H/C(sp ³)-H Umpolung Coupling of <i>N</i> -Allylimine and β -Aryl Ketones. <i>Journal of the American Chemical Society</i> , 2021, 143, 20454-20461.	13.7	28
25	Enantioselective Functionalization of Inactive sp ³ C-H Bonds Remote to Functional Group by Metal/Organo Cooperative Catalysis. <i>Organic Letters</i> , 2015, 17, 5120-5123.	4.6	24
26	An Enantioselective Multicomponent Carbonyl Allylation of Aldehydes with Dienes and Alkynyl Bromides Enabled by Chiral Palladium Phosphate. <i>Advanced Synthesis and Catalysis</i> , 2017, 359, 2383-2389.	4.3	23
27	Access to chiral β -butenolides via palladium-catalyzed asymmetric allylic C-H alkylation of 1,4-dienes. <i>Chemical Communications</i> , 2021, 57, 6748-6751.	4.1	20
28	Asymmetric Allylic C-H Alkylation of 1,4-Dienes with Aldehydes. <i>Acta Chimica Sinica</i> , 2018, 76, 857.	1.4	20
29	Palladium(II)-Catalyzed Deacylative Allylic C-H Alkylation. <i>Journal of Organic Chemistry</i> , 2017, 82, 9794-9800.	3.2	19
30	Palladium-Catalyzed Allylic Alkylation via Photocatalytic Nucleophile Generation. <i>ACS Catalysis</i> , 2021, 11, 6757-6762.	11.2	19
31	Access to Chiral Hydropyrimidines through Palladium-Catalyzed Asymmetric Allylic C-H Amination. <i>Angewandte Chemie</i> , 2017, 129, 16248-16252.	2.0	18
32	Palladium-Catalyzed Asymmetric Allylic C-H Alkylation of 1,4-Dienes with Cyclic β -Keto Esters. <i>Organometallics</i> , 2019, 38, 4014-4021.	2.3	18
33	Palladium-catalysed branch- and enantioselective allylic C-H alkylation of β -alkenes. , 2022, 1, 487-496.		12
34	Nucleophile Coordination Enabled Regioselectivity in Palladium-Catalyzed Asymmetric Allylic C-H Alkylation. <i>Angewandte Chemie</i> , 2019, 131, 16962-16966.	2.0	9
35	Counteranion-controlled regioselectivity in palladium-catalyzed allylic amination of dienyl allylic carbonates. <i>Tetrahedron</i> , 2021, 84, 131996.	1.9	9
36	Palladium-catalyzed Asymmetric Allylic C-H Oxidation for the Formal Synthesis of Gonytolide C. <i>Chemistry Letters</i> , 2017, 46, 1190-1192.	1.3	7

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37	Asymmetric C-H Functionalization Enabled by Pd/Chiral Phosphoric Acid Combined Catalysis. <i>Synthesis</i> , 2022, 54, 4795-4801.	2.3	7
38	Access to chiral homoallylic vicinal diols from carbonyl allylation of aldehydes with allyl ethers via palladium-catalyzed allylic C-H borylation. <i>Science China Chemistry</i> , 2022, 65, 298-303.	8.2	7
39	Modular access to chiral cyclopentanes via formal [2+2+1] annulation enabled by palladium/chiral squaramide relay catalysis. , 2022, 1, 100002.		2