

Hoimin Jung

List of Publications by Year in descending order

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31
papers

1,475
citations

394421

19
h-index

454955

30
g-index

31
all docs

31
docs citations

31
times ranked

1336
citing authors

#	ARTICLE	IF	CITATIONS
1	Photoinduced Transition-Metal-Free Chan–Evans–Lam-Type Coupling: Dual Photoexcitation Mode with Halide Anion Effect. <i>Journal of the American Chemical Society</i> , 2022, 144, 9161-9171.	13.7	17
2	Multidimensional Screening Accelerates the Discovery of Rhodium Catalyst Systems for Selective Intra- and Intermolecular C–H Amidations. <i>ACS Catalysis</i> , 2022, 12, 8127-8138.	11.2	10
3	Controlled Relay Process to Access N-Centered Radicals for Catalyst-free Amidation of Aldehydes under Visible Light. <i>CheM</i> , 2021, 7, 495-508.	11.7	26
4	Nitrene-mediated intermolecular N–N coupling for efficient synthesis of hydrazides. <i>Nature Chemistry</i> , 2021, 13, 378-385.	13.6	65
5	Synergistic Effects of Boron and Oxygen Interaction Enabling Nickel-Catalyzed Exogenous Base-Free Stereoselective Arylvinylolation of Alkynes through Vinyl Transposition. <i>ACS Catalysis</i> , 2021, 11, 5017-5025.	11.2	16
6	Visible-Light Induced C(sp ²)–H Amidation with an Aryl–Alkyl C–C Bond Relocation via Redox–Neutral Radical–Polar Crossover. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 25235-25240.	13.8	34
7	Understanding the mechanism of direct visible-light-activated [2 + 2] cycloadditions mediated by Rh and Ir photocatalysts: combined computational and spectroscopic studies. <i>Chemical Science</i> , 2021, 12, 9673-9681.	7.4	16
8	Brønsted acid catalysis of photosensitized cycloadditions. <i>Chemical Science</i> , 2020, 11, 856-861.	7.4	45
9	Versatile Cp*Co(III)(LX) Catalyst System for Selective Intramolecular C–H Amidation Reactions. <i>Journal of the American Chemical Society</i> , 2020, 142, 12324-12332.	13.7	38
10	Tuning Triplet Energy Transfer of Hydroxamates as the Nitrene Precursor for Intramolecular C(sp ³)–H Amidation. <i>Journal of the American Chemical Society</i> , 2020, 142, 5811-5818.	13.7	48
11	Modular Tuning of Electrophilic Reactivity of Iridium Nitrenoids for the Intermolecular Selective β -Amidation of β -Keto Esters. <i>Journal of the American Chemical Society</i> , 2020, 142, 11999-12004.	13.7	33
12	Quantitative Analysis on Two-Point Ligand Modulation of Iridium Catalysts for Chemodivergent C–H Amidation. <i>Journal of the American Chemical Society</i> , 2020, 142, 8880-8889.	13.7	38
13	Enantioselective Intermolecular Excited-State Photoreactions Using a Chiral Ir Triplet Sensitizer: Separating Association from Energy Transfer in Asymmetric Photocatalysis. <i>Journal of the American Chemical Society</i> , 2019, 141, 13625-13634.	13.7	111
14	Harnessing Secondary Coordination Sphere Interactions That Enable the Selective Amidation of Benzylic C–H Bonds. <i>Journal of the American Chemical Society</i> , 2019, 141, 15356-15366.	13.7	55
15	Site-Selective Functionalization of Pyridinium Derivatives via Visible-Light-Driven Photocatalysis with Quinolinone. <i>Journal of the American Chemical Society</i> , 2019, 141, 9239-9248.	13.7	98
16	Enantioselective [2+2] Cycloadditions of Cinnamate Esters: Generalizing Lewis Acid Catalysis of Triplet Energy Transfer. <i>Journal of the American Chemical Society</i> , 2019, 141, 9543-9547.	13.7	129
17	Site-Selective 1,1-Difunctionalization of Unactivated Alkenes Enabled by Cationic Palladium Catalysis. <i>Journal of the American Chemical Society</i> , 2019, 141, 10048-10059.	13.7	84
18	Sequential C–H Borylation and N–Demethylation of 1,1'-Biphenylamines: Alternative Route to Polycyclic BN–Heteroarenes. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 7361-7365.	13.8	17

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19	Sequential C-H Borylation and N-Demethylation of 1,1'-Biphenylamines: Alternative Route to Polycyclic BN-Heteroarenes. <i>Angewandte Chemie</i> , 2019, 131, 7439-7443.	2.0	2
20	Schrock vs Fischer carbenes: A quantum chemical perspective. <i>Advances in Inorganic Chemistry</i> , 2019, , 385-443.	1.0	6
21	Catalytic Asymmetric Dearomatization by Visible-Light-Activated [2+2] Photocycloaddition. <i>Angewandte Chemie</i> , 2018, 130, 6350-6354.	2.0	40
22	Catalytic Asymmetric Dearomatization by Visible-Light-Activated [2+2] Photocycloaddition. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 6242-6246.	13.8	153
23	Understanding the Origin of the Regioselectivity in Cyclopolymerizations of Diynes and How to Completely Switch It. <i>Journal of the American Chemical Society</i> , 2018, 140, 834-841.	13.7	24
24	Hydrogen-Bonding-Assisted Ketimine Formation of Benzophenone Derivatives. <i>Journal of Organic Chemistry</i> , 2018, 83, 14300-14306.	3.2	9
25	Visible-Light-Induced Pyridylation of Remote C(sp ³)-H Bonds by Radical Translocation of N-Alkoxyypyridinium Salts. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 15517-15522.	13.8	141
26	Visible-Light-Induced Pyridylation of Remote C(sp ³)-H Bonds by Radical Translocation of N-Alkoxyypyridinium Salts. <i>Angewandte Chemie</i> , 2018, 130, 15743-15748.	2.0	38
27	Conjugate Addition of Perfluoroarenes to Î±,Î²-Unsaturated Carbonyls Enabled by an Alkoxide-Hydrosilane System: Implication of a Radical Pathway. <i>Journal of the American Chemical Society</i> , 2018, 140, 9659-9668.	13.7	15
28	Enantioselective Excited-State Photoreactions Controlled by a Chiral Hydrogen-Bonding Iridium Sensitizer. <i>Journal of the American Chemical Society</i> , 2017, 139, 17186-17192.	13.7	153
29	Regiodivergent Conjugate Addition Controlled by Rhodium(I) and Palladium(II) Catalysts: A Combined Computational and Experimental Study. <i>Advanced Synthesis and Catalysis</i> , 2017, 359, 3160-3175.	4.3	8
30	Synthesis of Tris(É-oximinoalkyl)amines, New Tripodal N4 Ligands. <i>Synthetic Communications</i> , 2015, 45, 1362-1366.	2.1	2
31	Visible-Light Induced C(sp ²)-H Amidation with an Aryl-Alkyl Bond Relocation via Redox-Neutral Radical-Polar Crossover. <i>Angewandte Chemie</i> , 0, , .	2.0	4