

Hoimin Jung

List of Publications by Year in descending order

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Version: 2024-02-01

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 | 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 |
| 2 | Catalytic Asymmetric Dearomatization by Visible-Light-Activated [2+2] Photocycloaddition. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 6242-6246. | 13.8 | 153 |
| 3 | Visible-Light-Induced Pyridylation of Remote C(sp ³)-H Bonds by Radical Translocation of N-Alkoxy-pyridinium Salts. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 15517-15522. | 13.8 | 141 |
| 4 | 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 |
| 5 | 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 |
| 6 | 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 |
| 7 | 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 |
| 8 | Nitrene-mediated intermolecular N-N coupling for efficient synthesis of hydrazides. <i>Nature Chemistry</i> , 2021, 13, 378-385. | 13.6 | 65 |
| 9 | 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 |
| 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 | Brønsted acid catalysis of photosensitized cycloadditions. <i>Chemical Science</i> , 2020, 11, 856-861. | 7.4 | 45 |
| 12 | Catalytic Asymmetric Dearomatization by Visible-Light-Activated [2+2] Photocycloaddition. <i>Angewandte Chemie</i> , 2018, 130, 6350-6354. | 2.0 | 40 |
| 13 | Visible-Light-Induced Pyridylation of Remote C(sp ³)-H Bonds by Radical Translocation of N-Alkoxy-pyridinium Salts. <i>Angewandte Chemie</i> , 2018, 130, 15743-15748. | 2.0 | 38 |
| 14 | 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 |
| 15 | 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 |
| 16 | Visible-Light Induced C(sp ²)-H Amidation with an Aryl-Alkyl C-Bond Relocation via Redox-Neutral Radical-Polar Crossover. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 25235-25240. | 13.8 | 34 |
| 17 | Modular Tuning of Electrophilic Reactivity of Iridium Nitrenoids for the Intermolecular Selective α -Amidation of β -Keto Esters. <i>Journal of the American Chemical Society</i> , 2020, 142, 11999-12004. | 13.7 | 33 |
| 18 | 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 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 19 | 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 |
| 20 | Sequential C-H Borylation and N-De-methylation of 1,1'-Biphenylamines: Alternative Route to Polycyclic N-Heteroarenes. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 7361-7365. | 13.8 | 17 |
| 21 | 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 |
| 22 | Synergistic Effects of Boron and Oxygen Interaction Enabling Nickel-Catalyzed Exogenous Base-Free Stereoselective Arylvinylation of Alkynes through Vinyl Transposition. <i>ACS Catalysis</i> , 2021, 11, 5017-5025. | 11.2 | 16 |
| 23 | 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 |
| 24 | Conjugate Addition of Perfluoroarenes to α,β -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 |
| 25 | 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 |
| 26 | Hydrogen-Bonding-Assisted Ketimine Formation of Benzophenone Derivatives. <i>Journal of Organic Chemistry</i> , 2018, 83, 14300-14306. | 3.2 | 9 |
| 27 | 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 |
| 28 | Schrock vs Fischer carbenes: A quantum chemical perspective. <i>Advances in Inorganic Chemistry</i> , 2019, , 385-443. | 1.0 | 6 |
| 29 | 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 |
| 30 | Synthesis of Tris(β -oximinoalkyl)amines, New Tripodal N4 Ligands. <i>Synthetic Communications</i> , 2015, 45, 1362-1366. | 2.1 | 2 |
| 31 | Sequential C-H Borylation and N-De-methylation of 1,1'-Biphenylamines: Alternative Route to Polycyclic N-Heteroarenes. <i>Angewandte Chemie</i> , 2019, 131, 7439-7443. | 2.0 | 2 |