# Hu Cai

## List of Publications by Citations



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|---|---|---|---|
| 60 papers | 1,040 citations | 15 h-index | 31 g-index |
| 63 ext. papers | 1,343 ext. citations | 4.9 avg, IF | 4.54 L-index |

| # | Paper | IF | Citations |
|---|---|---|---|
| 60 | Metal-free three-dimensional perovskite ferroelectrics. *Science*, **2018**, 361, 151-155 | 33.3 | 360 |
| 59 | Discovery of an Antiperovskite Ferroelectric in [(CH)NH](MnBr)(MnBr). *Journal of the American Chemical Society*, **2018**, 140, 8110-8113 | 16.4 | 59 |
| 58 | The Narrowest Band Gap Ever Observed in Molecular Ferroelectrics: Hexane-1,6-diammonium Pentaiodobismuth(III). *Angewandte Chemie - International Edition*, **2018**, 57, 526-530 | 16.4 | 59 |
| 57 | Base-Promoted, Mild and Highly Efficient Conversion of Arylboronic Acids into Phenols with tert-Butyl Hydroperoxide. *Synlett*, **2013**, 24, 1712-1714 | 2.2 | 54 |
| 56 | Decarboxylative Halogenation and Cyanation of Electron-Deficient Aryl Carboxylic Acids via Cu Mediator as Well as Electron-Rich Ones through Pd Catalyst under Aerobic Conditions. *Journal of Organic Chemistry*, **2016**, 81, 2794-803 | 4.2 | 44 |
| 55 | Palladium-Catalyzed Decarboxylative Methylthiolation of Aromatic Carboxylic Acids by Using DMSO as the Sulfurizing Reagent. *European Journal of Organic Chemistry*, **2014**, 2014, 7798-7802 | 3.2 | 32 |
| 54 | An electrochemical method for deborylative seleno/thiocyanation of arylboronic acids under catalyst- and oxidant-free conditions. *Green Chemistry*, **2020**, 22, 1559-1564 | 10 | 25 |
| 53 | The Narrowest Band Gap Ever Observed in Molecular Ferroelectrics: Hexane-1,6-diammonium Pentaiodobismuth(III). *Angewandte Chemie*, **2018**, 130, 535-539 | 3.6 | 23 |
| 52 | Rational Design of Ceramic-Like Molecular Ferroelectric by Quasi-Spherical Theory. *Journal of the American Chemical Society*, **2020**, 142, 1995-2000 | 16.4 | 23 |
| 51 | Facile synthesis of 2,2?-dinitrosubstituted biaryls through Cu-catalyzed ligand-free decarboxylative homocoupling of ortho-nitrobenzoic acids. *RSC Advances*, **2015**, 5, 52101-52104 | 3.7 | 21 |
| 50 | Reversible solid-state thermochromism of a 2D organic□inorganic hybrid perovskite structure based on iodoplumbate and 2-aminomethyl-pyridine. *New Journal of Chemistry*, **2017**, 41, 9586-9589 | 3.6 | 18 |
| 49 | Recent Progress in Pd-Catalyzed Decarboxylative Coupling Reactions of (Hetero)aromatic Carboxylic Acids. *Chinese Journal of Organic Chemistry*, **2015**, 35, 984 | 3 | 17 |
| 48 | Iodine-Catalyzed C□N Cleavage of Tertiary Amines: Synthesis of Methylene-Bridged Bis-1,3-dicarbonyl Compounds. *Synthesis*, **2014**, 46, 2445-2450 | 2.9 | 16 |
| 47 | Transition metal-free electrocatalytic halodeborylation of arylboronic acids with metal halides MX (X = I, Br) to synthesize aryl halides. *Organic Chemistry Frontiers*, **2020**, 7, 590-595 | 5.2 | 16 |
| 46 | Copper-Catalyzed C2 and C3 Phosphonation of Benzofuran and Benzothiophene with Trialkyl Phosphites. *ChemCatChem*, **2018**, 10, 716-719 | 5.2 | 15 |
| 45 | A simple protocol for Cu-catalyzed protodecarboxylation of (hetero)aromatic carboxylic acids. *New Journal of Chemistry*, **2016**, 40, 3014-3018 | 3.6 | 15 |
| 44 | A Metal-Free Cross-Dehydrogenative Coupling Reaction of Amides to Access N-Alkylazoles. *Synlett*, **2016**, 27, 2705-2708 | 2.2 | 14 |

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| 43 | Mono- and bis-N-heterocyclic carbene complexes of tantalum and niobium with high oxidation states. *New Journal of Chemistry*, **2016**, 40, 6270-6275 | 3.6 | 14 |
| 42 | Metal-free phosphonation of benzoxazoles and benzothiazoles under oxidative conditions. *Organic Chemistry Frontiers*, **2017**, 4, 1781-1784 | 5.2 | 14 |
| 41 | Inexpensive NaX (X = I, Br, Cl) as a halogen donor in the practical Ag/Cu-mediated decarboxylative halogenation of aryl carboxylic acids under aerobic conditions. *Organic and Biomolecular Chemistry*, **2018**, 16, 5416-5421 | 3.9 | 13 |
| 40 | DMSO/-BuONa/O-Mediated Aerobic Dehydrogenation of Saturated -Heterocycles. *Journal of Organic Chemistry*, **2020**, 85, 7501-7509 | 4.2 | 12 |
| 39 | Cu-catalyzed decarboxylative iodination of aryl carboxylic acids with NaI: A practical entry to aryl iodides under aerobic conditions. *Tetrahedron Letters*, **2018**, 59, 4458-4461 | 2 | 12 |
| 38 | Pd-Catalyzed Decarboxylative Ortho-Halogenation of Aryl Carboxylic Acids with Sodium Halide NaX Using Carboxyl as a Traceless Directing Group. *Organic Letters*, **2019**, 21, 3003-3007 | 6.2 | 11 |
| 37 | A series of new rare earth sulfates based on lanthanide contraction and dual organic-amine templating effects. *CrystEngComm*, **2012**, 14, 6627 | 3.3 | 11 |
| 36 | Fluorescent Properties of Manganese Halide Benzothiazole Inorganic-Organic Hybrids. *Journal of Fluorescence*, **2016**, 26, 2295-2301 | 2.4 | 10 |
| 35 | Selective Phosphoramidation and Phosphonation of Benzoxazoles via Sequence Control. *Organic Letters*, **2017**, 19, 2242-2245 | 6.2 | 9 |
| 34 | Regioselective C3-Phosphonation of Free Indoles via Transition-Metal-Free Radical/Hydrolysis Cascade. *European Journal of Organic Chemistry*, **2019**, 2019, 1808-1814 | 3.2 | 8 |
| 33 | Metal-Free Csp3N Bond Cleavage of Amides Using tert-Butyl Hydroperoxide as Oxidant. *Synlett*, **2015**, 26, 543-546 | 2.2 | 7 |
| 32 | Copper-catalyzed Phosphorylation of Coumarins with Trialkyl Phosphites. *Chemistry Letters*, **2016**, 45, 825-827 | 1.7 | 7 |
| 31 | Nucleophile-controlled mono- and bis-phosphonation of amino-2-en-1-ones via catalyst-free C(sp3)N bond cleavage. *Organic Chemistry Frontiers*, **2018**, 5, 3548-3552 | 5.2 | 7 |
| 30 | Dichloromethane as a methylene synthon for regioselective linkage of diverse carboxylic acids: Direct access to methylene diesters under metal-free conditions. *Chinese Chemical Letters*, **2019**, 30, 1173-1177 | 8.1 | 6 |
| 29 | Copper-mediated tandem reaction of ketoesters/ketones with tertiary amines for the synthesis of 2,3-dihydrofurans. *Organic and Biomolecular Chemistry*, **2015**, 13, 4426-9 | 3.9 | 6 |
| 28 | Synthesis of Symmetrical Biaryls through Palladium-Catalyzed Ligand-Free Homocoupling of Aryliodine(III) Diacetates. *Synlett*, **2015**, 26, 975-979 | 2.2 | 6 |
| 27 | Convenient sulfonylation of imidazoles and triazoles using NFSI. *Journal of Sulfur Chemistry*, **2018**, 39, 465-471 | 2.3 | 6 |
| 26 | Environmentally sustainable production and application of acyl phosphates. *Green Chemistry*, **2020**, 22, 7343-7347 | 10 | 6 |

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| 25 | Series of 2D multilayered perovskites constructed by slicing the 3D [(CH3NH3)PbI3] with 4-fluorobenzylamine. *Inorganic Chemistry Communication*, **2018**, 97, 134-138 | 3.1 | 6 |
| 24 | Potassium Carbonate Promoted Nucleophilic Addition of Alkenes with Phosphites. *Synlett*, **2020**, 31, 1295-1297 | 2.2 | 5 |
| 23 | Electrochemical Radical Selenylation of Alkenes and Arenes via Se-Se Bond Activation. *Organic Letters*, **2021**, 23, 7724-7729 | 6.2 | 5 |
| 22 | Cu(II)-mediated phenol oxygenation: chemical evidence implicates a unique role of the enzyme active site in promoting the chemically difficult tyrosine monooxygenation in TPQ cofactor biogenesis of copper amine oxidases. *Bioorganic Chemistry*, **2015**, 59, 31-8 | 5.1 | 4 |
| 21 | Electrochemical selenation of phosphonates and phosphine oxides. *Tetrahedron Letters*, **2020**, 61, 151566 | 2 | 4 |
| 20 | Conversions of aryl carboxylic acids into aryl nitriles using multiple types of Cu-mediated decarboxylative cyanation under aerobic conditions. *Organic and Biomolecular Chemistry*, **2020**, 18, 8381-8385 | 3.9 | 4 |
| 19 | Selective C-C bond cleavage of amides fused to 8-aminoquinoline controlled by a catalyst and an oxidant. *Chemical Communications*, **2020**, 56, 13820-13823 | 5.8 | 4 |
| 18 | High-Temperature Switchable Nonlinear Optical and Dielectric Material Revealed by Molecular Modification. *Chemistry of Materials*, **2021**, 33, 3081-3086 | 9.6 | 4 |
| 17 | The templating effect of 1,2-cyclohexanediamine configuration on iodoplumbate organic–inorganic hybrid structures. *Journal of Coordination Chemistry*, **2020**, 73, 417-428 | 1.6 | 3 |
| 16 | An electrochemical method for deborylative selenylation of arylboronic acids under metal- and oxidant-free conditions. *Green Chemistry*, **2022**, 24, 130-135 | 10 | 3 |
| 15 | Rapid, Practical and Efficient Synthesis of Enol Phosphates from β-Keto Esters and Phosphites. *Chinese Journal of Organic Chemistry*, **2017**, 37, 1571 | 3 | 3 |
| 14 | A square-pyramidal coordinated copper(II) hydrazine dimeric complex showing reversible phase transition, dielectric anomaly and thermochromism. *New Journal of Chemistry*, **2020**, 44, 21288-21292 | 3.6 | 3 |
| 13 | Synthesis of (pentafluorophenyl)benzenes via Pd-catalyzed C–H arylation of pentafluorobenzene with aryliodine diacetates. *Journal of the Iranian Chemical Society*, **2016**, 13, 1931-1936 | 2 | 3 |
| 12 | Fe-Catalyzed Bisphosphorylation of Amino-2-en-1-ones with Trialkyl Phosphites. *Synlett*, **2019**, 30, 1090-1094 | 2.2 | 2 |
| 11 | Facile synthesis of methylthiomethyl esters through Pummerer-type rearrangement of carboxylic acids and DMSO under metal-free conditions. *Synthetic Communications*, **2019**, 49, 950-958 | 1.7 | 2 |
| 10 | Ag/Cu-mediated decarboxylative cyanation of aryl carboxylic acids with K4Fe(CN)6 under aerobic conditions. *Synthetic Communications*, **2019**, 49, 917-924 | 1.7 | 2 |
| 9 | ortho-C–H Bond Functionalization of Carboxylic Acid Using Carboxyl as a Traceless Directing Group Based on the Strategy of "Two Birds with One Stone". *Chinese Journal of Organic Chemistry*, **2022**, 42, 67 | 3 | 2 |
| 8 | Electrochemical strategies for N-cyanation of secondary amines and α-C-cyanation of tertiary amines under transition metal-free conditions. *Green Chemistry*, **2021**, 23, 9422-9427 | 10 | 2 |

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| 7 | Ag/Cu-Mediated Decarboxylative Cyanation of Arene Carboxylic Acids Using NH4 +/N,N-Dimethylformamide as Combined Cyanide Source. *Chinese Journal of Organic Chemistry*, **2021** , 41, 333 | 3 | 2 |
| 6 | Acid and 1, 2-Dichloroethane Co-Promoted Substitution of the Amino Groups in Gramine and its Analogues with Trialkyl Phosphites. *ChemistrySelect*, **2019**, 4, 14111-14113 | 1.8 | 0 |
| 5 | The Role of Fluorine-Substituted Positions on the Phase Transition in Organic-Inorganic Hybrid Perovskite Compounds. *Inorganic Chemistry*, **2021**, 60, 14706-14712 | 5.1 | 0 |
| 4 | Innenr□ktitelbild: The Narrowest Band Gap Ever Observed in Molecular Ferroelectrics: Hexane-1,6-diammonium Pentaiodobismuth(III) (Angew. Chem. 2/2018). *Angewandte Chemie*, **2018**, 130, 603-603 | 3.6 | |
| 3 | Metal-free synthesis of 1, -ethenoadenines from -propargyl-adenines NIS mediated radical cascade reaction.. *RSC Advances*, **2019**, 9, 38897-38901 | 3.7 | |
| 2 | Synthesis of ( □)-3,3?-diphenyl-2,2?-binaphthol via different routes using Pd and Ni as catalyst respectively. *Chemical Papers*, **2021**, 75, 831-836 | 1.9 | |
| 1 | Electrochemical Synthesis of Aryl Sulfonates from Sodium Sulfinates and Phenols under Metal-Free Conditions. *Chinese Journal of Organic Chemistry*, **2022**, 42, 600 | 3 | |