

Honghua Rao

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

1,752
citations

471509

17
h-index

552781

26
g-index

41
all docs

41
docs citations

41
times ranked

1837
citing authors

#	ARTICLE	IF	CITATIONS
1	A Versatile and Efficient Ligand for Copper-Catalyzed Formation of C–N, C–O, and C–C Bonds: Pyrrolidine-2-Phosphonic Acid Phenyl Monoester. <i>Chemistry - A European Journal</i> , 2006, 12, 3636-3646.	3.3	356
2	Easy Copper-Catalyzed Synthesis of Primary Aromatic Amines by Couplings Aromatic Boronic Acids with Aqueous Ammonia at Room Temperature. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 1114-1116.	13.8	162
3	An Inexpensive and Efficient Copper Catalyst for N-Arylation of Amines, Amides and Nitrogen-Containing Heterocycles. <i>Advanced Synthesis and Catalysis</i> , 2006, 348, 2197-2202.	4.3	150
4	Alkyne Elementometalation-Pd-Catalyzed Cross-Coupling. Toward Synthesis of All Conceivable Types of Acyclic Alkenes in High Yields, Efficiently, Selectively, Economically, and Safely: "Green" Way. <i>Journal of Organic Chemistry</i> , 2010, 75, 3151-3182.	3.2	133
5	Direct Synthesis of Aryl Ketones by Palladium-Catalyzed Desulfative Addition of Sodium Sulfinates to Nitriles. <i>Chemistry - A European Journal</i> , 2011, 17, 7996-7999.	3.3	117
6	Copper-Catalyzed Arylation of Amines Using Diphenyl Pyrrolidine-2-phosphonate as the New Ligand. <i>Journal of Organic Chemistry</i> , 2005, 70, 8107-8109.	3.2	114
7	Rhodium-Catalyzed Xanthone Formation from 2-Aryloxybenzaldehydes via Cross-Dehydrogenative Coupling (CDC). <i>Organic Letters</i> , 2012, 14, 902-905.	4.6	112
8	Iron-Catalyzed Dehydrogenative $\text{sp}^3\text{-sp}^2$ Coupling via Direct Oxidative C–H Activation of Acetonitrile. <i>Organic Letters</i> , 2017, 19, 2226-2229.	4.6	90
9	Rhodium-Catalyzed Aerobic Coupling between Aldehydes and Arenesulfonic Acid Salts: A Novel Synthesis of Aryl Ketones. <i>Advanced Synthesis and Catalysis</i> , 2011, 353, 1701-1706.	4.3	65
10	Metal-Free Oxidative Coupling: Xanthone Formation via Direct Annulation of 2-Aryloxybenzaldehyde using Tetrabutylammonium Bromide as a Promoter in Aqueous Medium. <i>Advanced Synthesis and Catalysis</i> , 2013, 355, 2191-2196.	4.3	64
11	Highly (>98%) Stereo- and Regioselective Trisubstituted Alkene Synthesis of Wide Applicability via Tandem Negishi-Suzuki Coupling or Organoborate Migratory Insertion. <i>Advanced Synthesis and Catalysis</i> , 2011, 353, 2981-2987.	4.3	60
12	$\text{K}^2\text{S}_2\text{O}_8$ /arenesulfinate: an unprecedented thiolating system enabling selective sulfenylation of indoles under metal-free conditions. <i>RSC Advances</i> , 2014, 4, 49165-49169.	3.6	58
13	Rearrangement of 2-Aryloxybenzaldehydes to 2-Hydroxybenzophenones by Rhodium-Catalyzed Cleavage of Aryloxy C–O Bonds. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 8936-8939.	13.8	40
14	Highly Efficient Copper-Catalyzed Synthesis of Internal Alkynes via Aerobic Oxidative Arylation of Terminal Alkynes. <i>Advanced Synthesis and Catalysis</i> , 2010, 352, 458-462.	4.3	30
15	Silver-Catalyzed Intramolecular C^2 Selective Acylation of Indoles with Aldehydes: An Atom-Economical Entry to Indole-Indolone Scaffolds. <i>Advanced Synthesis and Catalysis</i> , 2016, 358, 2059-2065.	4.3	25
16	Formation of Methylene Linkage for N-Heterocycles: Sequential C–H and C–O Bond Functionalization of Methanol with Cosolvent Water. <i>Journal of Organic Chemistry</i> , 2019, 84, 6928-6939.	3.2	19
17	Highly (>98%) Selective Trisubstituted Alkene Synthesis of Wide Applicability via Fluoride-Promoted Pd-Catalyzed Cross-Coupling of Alkenylboranes. <i>Israel Journal of Chemistry</i> , 2010, 50, 696-701.	2.3	17
18	Visible-Light-Triggered Direct Benzoyloxylation of Electron-Rich Arenes at Room Temperature without Chelation Assistance. <i>European Journal of Organic Chemistry</i> , 2012, 2012, 6503-6507.	2.4	17

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19	Tetra <i>n</i> -butylammonium Bromide: A Simple but Efficient Organocatalyst for Alcohol Oxidation under Mild Conditions. <i>Advanced Synthesis and Catalysis</i> , 2014, 356, 1741-1746.	4.3	17
20	Copper-Catalyzed Coupling Reactions. <i>Synlett</i> , 2011, 2011, 745-769.	1.8	15
21	Selective Phosphorination of Unactivated Alkynes with Phosphonium Cation To Achieve Isoquinoline Synthesis. <i>Organic Letters</i> , 2021, 23, 4023-4028.	4.6	15
22	Ruthenium-Catalyzed Aldehyde Functionality Reshuffle: Selective Synthesis of <i>E</i> -2-Arylcinnamaldehydes from <i>E</i> - ¹ -Bromostyrenes and Aryl Aldehydes. <i>Journal of the American Chemical Society</i> , 2012, 134, 16468-16471.	13.7	14
23	Copper-Catalyzed Dehydrogenative C(sp ²)–N Bond Formation via Direct Oxidative Activation of an Anilidic N–H Bond: Synthesis of Benzoimidazo[1,2- <i>a</i>]indoles. <i>Journal of Organic Chemistry</i> , 2017, 82, 10158-10166.	3.2	12
24	Metal-free catalytic cascade to chromones: direct coupling of salicylaldehydes and activated alkynes triggered by aryloxy radicals. <i>RSC Advances</i> , 2015, 5, 106350-106354.	3.6	5
25	Copper-Catalyzed Arylation of Amines Using Diphenyl Pyrrolidine-2-phosphonate as the New Ligand.. <i>ChemInform</i> , 2006, 37, no.	0.0	0