

Fen Xu

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Ruthenium-Catalyzed C-C Bond Cleavage of 2-H-Azirines: A Formal [3+2+2] Cycloaddition to Fused Azepine Skeletons. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 2861-2865.	13.8	94
2	Hydrogen Generation by Hydrolysis Reaction of Ball-Milled Al-Bi Alloys. <i>Energy & Fuels</i> , 2007, 21, 2294-2298.	5.1	68
3	Eco-friendly synthesis of pyridines via rhodium-catalyzed cyclization of diynes with oximes. <i>Green Chemistry</i> , 2015, 17, 799-803.	9.0	45
4	Rhodium-Catalyzed [2+2+2] Cycloaddition of Oximes and Diynes To Give Pyridines. <i>Chemistry - A European Journal</i> , 2013, 19, 2252-2255.	3.3	44
5	Ruthenium-catalyzed [2+2+2] Cycloaddition of Diynes with Nitriles in Pure Water. <i>ChemSusChem</i> , 2012, 5, 854-857.	6.8	42
6	Rhodium(III)-Catalyzed Cascade [5 + 1] Annulation/5-exo-Cyclization Initiated by C-H Activation: 1,6-Diynes as One-Carbon Reaction Partners. <i>Organic Letters</i> , 2018, 20, 3245-3249.	4.6	39
7	Palladium-catalyzed decarbonylative annulation of phthalimides with arynes: direct construction of phenanthridinones. <i>Chemical Communications</i> , 2019, 55, 9507-9510.	4.1	28
8	Synergic effect of copper-based metal-organic frameworks for highly efficient C-H activation of amidines. <i>RSC Advances</i> , 2017, 7, 51658-51662.	3.6	16
9	Microstructure and storage properties of low V-containing Ti-Cr-V hydrogen storage alloys prepared by arc melting and suction casting. <i>Rare Metals</i> , 2013, 32, 354-358.	7.1	14
10	Palladium-Catalyzed C-N Bond Cleavage of 2-H-Azirines for the Synthesis of Functionalized β -Amido Ketones. <i>Journal of Organic Chemistry</i> , 2019, 84, 2200-2208.	3.2	13
11	Rhodium-catalyzed multiple C-H activation/highly meta-selective C-H amination between amidines and alkynes. <i>Chemical Communications</i> , 2020, 56, 11227-11230.	4.1	13
12	Ruthenium-Catalyzed C-C Bond Cleavage of 2-H-Azirines: A Formal [3+2+2] Cycloaddition to Fused Azepine Skeletons. <i>Angewandte Chemie</i> , 2016, 128, 2911-2915.	2.0	12
13	A high-activity cobalt-based MOF catalyst for [2+2] cycloaddition of diynes and alkynes: insights into alkyne affinity and selectivity control. <i>RSC Advances</i> , 2018, 8, 4895-4899.	3.6	11
14	Rhodium(III)-Catalyzed Oxidative Annulation of Amidines with Alkynes via Sequential C-H Bond Activation. <i>European Journal of Organic Chemistry</i> , 2021, 2021, 1290-1294.	2.4	11
15	Direct Electron Transfer of Horseradish Peroxidase and Its Biosensor Based on Gold Nanoparticles/Chitosan/ITO Modified Electrode. <i>Analytical Letters</i> , 2008, 41, 2224-2236.	1.8	10
16	An Efficient Protocol for the Synthesis of Primary Amides via Rh-Catalyzed Rearrangement of Aldoximes. <i>ChemistrySelect</i> , 2018, 3, 3474-3478.	1.5	8
17	Progress in improving thermodynamics and kinetics of new hydrogen storage materials. <i>Frontiers of Physics</i> , 2011, 6, 151-161.	5.0	6
18	Rhodium-catalyzed synthesis of substituted isoquinolones via a selective decarbonylation/alkyne insertion cascade of phthalimides. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 8219-8223.	2.8	6

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19	An efficient route to highly functionalized benzene derivatives by rhodium-catalyzed dimerization of diynes. <i>Chemical Papers</i> , 2018, 72, 1363-1368.	2.2	2
20	HKUSTâ€”Catalyzed Formation of Câ€”C and Câ€”N Bonds: Rapid Assembly of Substituted Pyridines from Propargylamine and Carbonyl Compounds. <i>ChemistrySelect</i> , 2018, 3, 8793-8796.	1.5	2
21	A one-pot process for synthesis of eight-membered cyclopalladated amidines via cascade C H activation and insertion. <i>Journal of Organometallic Chemistry</i> , 2020, 924, 121461.	1.8	2