

He-Yan Jiang

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Heterogeneous Enantioselective Hydrogenation of Aromatic Ketones Catalyzed by Cinchona- and Phosphine-Modified Iridium Catalysts. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 9240-9244.	13.8	53
2	2D MXene-derived Nb ₂ O ₅ /C/Nb ₂ C/g-C ₃ N ₄ heterojunctions for efficient nitrogen photofixation. <i>Catalysis Science and Technology</i> , 2020, 10, 5964-5972.	4.1	49
3	Tuning the chemoselective hydrogenation of aromatic ketones, aromatic aldehydes and quinolines catalyzed by phosphine functionalized ionic liquid stabilized ruthenium nanoparticles. <i>Catalysis Science and Technology</i> , 2015, 5, 3728-3734.	4.1	42
4	Phosphine-functionalized ionic liquid-stabilized rhodium nanoparticles for selective hydrogenation of aromatic compounds. <i>Applied Catalysis A: General</i> , 2015, 499, 118-123.	4.3	40
5	Efficient photocatalytic one-pot hydrogenation and N-alkylation of nitrobenzenes/benzonitriles with alcohols over Pd/MOFs: Effect of the crystal morphology & quasi-MOF structure. <i>Journal of Catalysis</i> , 2020, 389, 121-131.	6.2	33
6	Photocatalytic H ₂ Evolution from Ammonia Borane: Improvement of Charge Separation and Directional Charge Transmission. <i>ChemSusChem</i> , 2020, 13, 5264-5272.	6.8	26
7	Efficient palladium and ruthenium nanocatalysts stabilized by phosphine functionalized ionic liquid for selective hydrogenation. <i>RSC Advances</i> , 2015, 5, 34622-34629.	3.6	25
8	Photocatalytic aldehydes/alcohols/toluenes oxidative amidation over bifunctional Pd/MOFs: Effect of Fe-O clusters and Lewis acid sites. <i>Journal of Catalysis</i> , 2021, 401, 279-287.	6.2	25
9	Highly Selective Hydrogenation with Ionic Liquid Stabilized Nickel Nanoparticles. <i>Catalysis Letters</i> , 2018, 148, 1336-1344.	2.6	24
10	Photocatalytic degradable polymer precursor production and C-C bond synthesis with CO ₂ over sulfur vacancies enriched ZnIn ₂ S ₄ nanosheets. <i>Chemical Engineering Journal</i> , 2022, 446, 136919.	12.7	24
11	Selective hydrogenation of aromatic compounds using modified iridium nanoparticles. <i>Applied Organometallic Chemistry</i> , 2018, 32, e4260.	3.5	23
12	Asymmetric hydrogenation of acetophenone catalyzed by cinchonidine stabilized Ir/SiO ₂ . <i>Journal of Molecular Catalysis A</i> , 2009, 300, 98-102.	4.8	22
13	Rh/polymeric carbon nitride porous tubular catalyst: visible light enhanced chlorophenol hydrodechlorination in base-free aqueous medium. <i>Catalysis Science and Technology</i> , 2019, 9, 6938-6945.	4.1	21
14	Efficient photocatalytic chemoselective and stereoselective C-C bond formation over AuPd@N-rich carbon nitride. <i>Catalysis Science and Technology</i> , 2021, 11, 219-229.	4.1	19
15	Cinchona-modified Ru catalysts for enantioselective heterogeneous hydrogenation of aromatic ketones. <i>Catalysis Communications</i> , 2010, 11, 584-587.	3.3	18
16	Highly Efficient and Green Synthesis of Flavanones and Tetrahydroquinolones. <i>Synthetic Communications</i> , 2013, 43, 1023-1029.	2.1	16
17	Photocatalytic green synthesis of benzazoles from alcohol oxidation/toluene sp ³ C-H activation over metal-free BCN: effect of crystallinity and N-B pair exposure. <i>Catalysis Science and Technology</i> , 2021, 11, 7955-7962.	4.1	15
18	Heterogeneous selective hydrogenation of trans-4-phenyl-3-butene-2-one to allylic alcohol over modified Ir/SiO ₂ catalyst. <i>Applied Catalysis A: General</i> , 2012, 421-422, 86-90.	4.3	13

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19	Carbon vacancies enriched carbon nitride nanotubes for Pd coordination environment optimization: Highly efficient photocatalytic hydrodechlorination and CO ₂ cycloaddition. <i>Science of the Total Environment</i> , 2022, 838, 155920.	8.0	12
20	Boosting free radical type photocatalysis over Pd/Fe-MOFs by coordination structure engineering. <i>Catalysis Science and Technology</i> , 2021, 11, 5543-5552.	4.1	9
21	Highly efficient one-pot multi-directional selective hydrogenation and N-alkylation catalyzed by Ru/LDH under mild conditions. <i>Applied Catalysis A: General</i> , 2020, 596, 117536.	4.3	8
22	Heterogeneous Enantioselective Hydrogenation of Aromatic Ketones Catalyzed by Rh Nanoparticles Immobilized in Ionic Liquid. <i>Catalysis Letters</i> , 2019, 149, 1975-1982.	2.6	7
23	Visible-light induced one-pot hydrogenation and amidation of nitroaromatics with carboxylic acids over 2D MXene-derived Pt/N-TiO ₂ /Ti ₃ C ₂ . <i>Molecular Catalysis</i> , 2021, 504, 111490.	2.0	5
24	Enantioselective hydrogenation of α -ketoesters catalyzed by cinchona alkaloid stabilized Rh nanoparticles in ionic liquid. <i>Chirality</i> , 2019, 31, 818-823.	2.6	2
25	Photocatalytic one-pot multidirectional N-alkylation over Pt/D-TiO ₂ /Ti ₃ C ₂ :Ti ₃ C ₂ -based short-range directional charge transmission. <i>Applied Organometallic Chemistry</i> , 2021, 35, e6291.	3.5	1
26	Total synthesis of dansyl and biotin functionalized ganglioside GM3 by chemoenzymatic method. <i>Science China Chemistry</i> , 2013, 56, 933-938.	8.2	0