Miaomiao Han

List of Publications by Year
in descending order

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25	1,212	471061 17	552369 26
papers	citations	h-index	g-index

27	27	27	1791
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Dramatically Enhanced Ambient Ammonia Electrosynthesis Performance by Inâ€Operando Created Liâ€“S Interactions on MoS₂ Electrocatalyst. Advanced Energy Materials, 2019, 9, 1803935.	10.2	176
2	Electrocatalytically Active Feâ€(Oâ€C₂)₄ Singleâ€Atom Sites for Efficient Reduction of Nitrogen to Ammonia. Angewandte Chemie - International Edition, 2020, 59, 13423-13429.	7.2	161
3	Ambient Electrosynthesis of Ammonia on a Biomass-Derived Nitrogen-Doped Porous Carbon Electrocatalyst: Contribution of Pyridinic Nitrogen. ACS Energy Letters, 2019, 4, 377-383.	8.8	142
4	Feâ€Co Alloyed Nanoparticles Catalyzing Efficient Hydrogenation of Cinnamaldehyde to Cinnamyl Alcohol in Water. Angewandte Chemie - International Edition, 2020, 59, 23521-23526.	7.2	91
5	Ambient Electrosynthesis of Ammonia on a Coreâ€“Shellâ€Structured Au@CeO₂ Catalyst: Contribution of Oxygen Vacancies in CeO₂. Chemistry - A European Journal, 2019, 25, 5904-5911.	1.7	69
6	Spontaneous Redox Approach to the Self-Assembly Synthesis of Au/CeO₂ Plasmonic Photocatalysts with Rich Oxygen Vacancies for Selective Photocatalytic Conversion of Alcohols. ACS Applied Materials & Interfaces, 2018, 10, 31394-31403.	4.0	67
7	Highly Dispersed Copper Nanoparticles Supported on Activated Carbon as an Efficient Catalyst for Selective Reduction of Vanillin. Small, 2018, 14, e1801953.	5.2	62
8	The investigation of transition metal doped CuGaS₂ for promising intermediate band materials. RSC Advances, 2014, 4, 62380-62386.	1.7	49
9	Theoretical study of single transition metal atom modified MoP as a nitrogen reduction electrocatalyst. Physical Chemistry Chemical Physics, 2019, 21, 5950-5955.	1.3	43
10	MoS₂ Nanodots Anchored on Reduced Graphene Oxide for Efficient N₂ Fixation to NH₃. ACS Sustainable Chemistry and Engineering, 2020, 8, 2320-2326.	3.2	42
11	Efficient electrochemical N₂ fixation by doped-oxygen-induced phosphorus vacancy defects on copper phosphide nanosheets. Journal of Materials Chemistry A, 2020, 8, 5936-5942.	5.2	40
12	Experimental and theoretical understanding on electrochemical activation and inactivation processes of Nb₃O₇(OH) for ambient electrosynthesis of NH₃. Journal of Materials Chemistry A, 2019, 7, 16969-16978.	5.2	39
13	Ambient Electrosynthesis of Ammonia Using Coreâ€“Shell Structured Au@C Catalyst Fabricated by One-Step Laser Ablation Technique. ACS Applied Materials & Interfaces, 2019, 11, 44186-44195.	4.0	38
14	The role of Sb in solar cell material Cu₂ZnSnS₄. Journal of Materials Chemistry A, 2017, 5, 6606-6612.	5.2	36
15	A pyrolysisâ€“phosphorization approach to fabricate carbon nanotubes with embedded CoP nanoparticles for ambient electrosynthesis of ammonia. Chemical Communications, 2019, 55, 12376-12379.	2.2	23
16	Electrocatalytically Active Feâ€(Oâ€C₂)₄ Singleâ€Atom Sites for Efficient Reduction of Nitrogen to Ammonia. Angewandte Chemie, 2020, 132, 13525-13531.	1.6	23
17	An investigation of Na-related defects in Cu₂ZnSnSe₄. Physical Chemistry Chemical Physics, 2017, 19, 17799-17804.	1.3	21
18	A sulfonate group functionalized active carbon-based Cu catalyst for electrochemical ammonia synthesis under ambient conditions. Inorganic Chemistry Frontiers, 2019, 6, 2832-2836.	3.0	19

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19	The instability of S vacancies in Cu2ZnSnS4. RSC Advances, 2016, 6, 15424-15429.	1.7	16
20	Defect physics in intermediate-band materials: Insights from an optimized hybrid functional. Physical Review B, 2017, 96, .	1.1	13
21	CoO_x@Co Nanoparticleâ€based Catalyst for Efficient Selective Transfer Hydrogenation of Î±,Î²â€Unsaturated Aldehydes. ChemCatChem, 2020, 12, 1019-1024.	1.8	10
22	Rational Design of Cobaltâ€Platinum Alloy Decorated Cobalt Nanoparticles for Oneâ€Pot Synthesis of Imines from Nitroarenes and Aldehydes. ChemCatChem, 2020, 12, 5948-5958.	1.8	10
23	Carbothermal Methods: Highly Dispersed Copper Nanoparticles Supported on Activated Carbon as an Efficient Catalyst for Selective Reduction of Vanillin (Small 36/2018). Small, 2018, 14, 1870164.	5.2	4
24	Possibility of Doping <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" overflow="scroll"><mml:msub><mml:mrow><mml:mi>Cu</mml:mi><mml:mi>Ga</mml:mi><mml:mi>Se</mml:mi></mml:mrow><mml:mrow><mml:mi>n -Type by Hydrogen. Physical Review Applied, 2021, 15, .	1.5	2
25	Feâ€Co Alloyed Nanoparticles Catalyzing Efficient Hydrogenation of Cinnamaldehyde to Cinnamyl Alcohol in Water. Angewandte Chemie, 2020, 132, 23727-23732.	1.6	1