

# Miaomiao Han

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1622869/publications.pdf>

Version: 2024-02-01

25  
papers

1,212  
citations

471061

17  
h-index

552369

26  
g-index

27  
all docs

27  
docs citations

27  
times ranked

1791  
citing authors

#	ARTICLE	IF	CITATIONS
1	Possibility of Doping $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" overflow="scroll" \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \text{Cu} \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle \text{Ga} \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle \text{Se} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle \text{N} \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle \text{Type by Hydrogen. Physical Review Applied, 2021, 15, .$		
2	CoO <sub>x</sub> @Co Nanoparticle-based Catalyst for Efficient Selective Transfer Hydrogenation of $\alpha,\beta$ -Unsaturated Aldehydes. ChemCatChem, 2020, 12, 1019-1024.	1.8	10
3	Fe-Co Alloyed Nanoparticles Catalyzing Efficient Hydrogenation of Cinnamaldehyde to Cinnamyl Alcohol in Water. Angewandte Chemie, 2020, 132, 23727-23732.	1.6	1
4	Rational Design of Cobalt-Platinum Alloy Decorated Cobalt Nanoparticles for One-Pot Synthesis of Imines from Nitroarenes and Aldehydes. ChemCatChem, 2020, 12, 5948-5958.	1.8	10
5	Fe-Co Alloyed Nanoparticles Catalyzing Efficient Hydrogenation of Cinnamaldehyde to Cinnamyl Alcohol in Water. Angewandte Chemie - International Edition, 2020, 59, 23521-23526.	7.2	91
6	Electrocatalytically Active Fe(O <sub>2</sub> ) <sub>4</sub> Single-Atom Sites for Efficient Reduction of Nitrogen to Ammonia. Angewandte Chemie - International Edition, 2020, 59, 13423-13429.	7.2	161
7	Electrocatalytically Active Fe(O <sub>2</sub> ) <sub>4</sub> Single-Atom Sites for Efficient Reduction of Nitrogen to Ammonia. Angewandte Chemie, 2020, 132, 13525-13531.	1.6	23
8	Efficient electrochemical N <sub>2</sub> fixation by doped-oxygen-induced phosphorus vacancy defects on copper phosphide nanosheets. Journal of Materials Chemistry A, 2020, 8, 5936-5942.	5.2	40
9	MoS <sub>2</sub> Nanodots Anchored on Reduced Graphene Oxide for Efficient N <sub>2</sub> Fixation to NH <sub>3</sub> . ACS Sustainable Chemistry and Engineering, 2020, 8, 2320-2326.	3.2	42
10	Ambient Electrosynthesis of Ammonia Using Core-Shell Structured Au@C Catalyst Fabricated by One-Step Laser Ablation Technique. ACS Applied Materials & Interfaces, 2019, 11, 44186-44195.	4.0	38
11	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
12	Experimental and theoretical understanding on electrochemical activation and inactivation processes of Nb <sub>3</sub> O <sub>7</sub> (OH) for ambient electrosynthesis of NH <sub>3</sub> . Journal of Materials Chemistry A, 2019, 7, 16969-16978.	5.2	39
13	Ambient Electrosynthesis of Ammonia on a Core-Shell Structured Au@CeO <sub>2</sub> Catalyst: Contribution of Oxygen Vacancies in CeO <sub>2</sub> . Chemistry - A European Journal, 2019, 25, 5904-5911.	1.7	69
14	Dramatically Enhanced Ambient Ammonia Electrosynthesis Performance by In-Operando Created Li-S Interactions on MoS <sub>2</sub> Electrocatalyst. Advanced Energy Materials, 2019, 9, 1803935.	10.2	176
15	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
16	A pyrolysis-phosphorization approach to fabricate carbon nanotubes with embedded CoP nanoparticles for ambient electrosynthesis of ammonia. Chemical Communications, 2019, 55, 12376-12379.	2.2	23
17	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
18	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

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19	Highly Dispersed Copper Nanoparticles Supported on Activated Carbon as an Efficient Catalyst for Selective Reduction of Vanillin. <i>Small</i> , 2018, 14, e1801953.	5.2	62
20	Spontaneous Redox Approach to the Self-Assembly Synthesis of Au/CeO <sub>2</sub> Plasmonic Photocatalysts with Rich Oxygen Vacancies for Selective Photocatalytic Conversion of Alcohols. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 31394-31403.	4.0	67
21	The role of Sb in solar cell material Cu <sub>2</sub> ZnSnS <sub>4</sub> . <i>Journal of Materials Chemistry A</i> , 2017, 5, 6606-6612.	5.2	36
22	An investigation of Na-related defects in Cu <sub>2</sub> ZnSnSe <sub>4</sub> . <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 17799-17804.	1.3	21
23	Defect physics in intermediate-band materials: Insights from an optimized hybrid functional. <i>Physical Review B</i> , 2017, 96, .	1.1	13
24	The instability of S vacancies in Cu <sub>2</sub> ZnSnS <sub>4</sub> . <i>RSC Advances</i> , 2016, 6, 15424-15429.	1.7	16
25	The investigation of transition metal doped CuGaS <sub>2</sub> for promising intermediate band materials. <i>RSC Advances</i> , 2014, 4, 62380-62386.	1.7	49