

# Ying Wu

## List of Publications by Year in descending order

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13  
papers

318  
citations

840776

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1125743

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docs citations

13  
times ranked

223  
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent advances in improving performances of the lightweight complex hydrides Li-Mg-N-H system. Progress in Natural Science: Materials International, 2017, 27, 21-33.	4.4	73
2	Effect of carbon nanotubes on the microstructural evolution and hydrogen storage properties of Mg(BH <sub>4</sub> ) <sub>2</sub> . Journal of Alloys and Compounds, 2018, 743, 11-16.	5.5	38
3	Current Research Progress in Magnesium Borohydride for Hydrogen Storage (A review). Progress in Natural Science: Materials International, 2021, 31, 809-820.	4.4	32
4	Ni-Doped Carbon Nanotube-Mg(BH <sub>4</sub> ) <sub>2</sub> Composites for Hydrogen Storage. ACS Applied Nano Materials, 2021, 4, 1604-1612.	5.0	29
5	Improvement of desorption performance of Mg(BH <sub>4</sub> ) <sub>2</sub> by two-dimensional Ti <sub>3</sub> C <sub>2</sub> MXene addition. International Journal of Hydrogen Energy, 2020, 45, 16654-16662.	7.1	25
6	Novel core-shell structured MgH <sub>2</sub> /AlH <sub>3</sub> @CNT nanocomposites with extremely high dehydrogenating/rehydrogenating properties derived from nanoconfinement. Journal of Materials Chemistry A, 2021, 9, 10921-10932.	10.3	24
7	Theoretical prediction and experimental study on catalytic mechanism of incorporated Ni for hydrogen absorption of Mg. International Journal of Hydrogen Energy, 2019, 44, 27885-27895.	7.1	23
8	Effects of additives on the microstructure and hydrogen storage properties of the Li <sub>3</sub> N-MgH <sub>2</sub> mixture. Journal of Alloys and Compounds, 2014, 613, 199-203.	5.5	16
9	Catalytic effects of Mg(BH <sub>4</sub> ) <sub>2</sub> on the desorption properties of 2LiNH <sub>2</sub> -MgH <sub>2</sub> mixture. International Journal of Hydrogen Energy, 2019, 44, 19294-19301.	7.1	16
10	Microstructural evolution and improved hydrogen storage properties for the Li <sub>3</sub> N-MgH <sub>2</sub> system by addition of LiNH <sub>2</sub> during the hydrogenation/dehydrogenation. International Journal of Hydrogen Energy, 2015, 40, 9298-9305.	7.1	15
11	Effects of the different element substitution on hydrogen storage properties of Ti <sub>0.8</sub> Zr <sub>0.2</sub> Mn <sub>0.9</sub> Cr <sub>0.6</sub> V <sub>0.3</sub> Mo <sub>0.2</sub> (M = Fe, Ni, Co). Journal of Alloys and Compounds, 2022, 908, 164605.	5.5	14
12	Improvement of hydrogen dehydrogenation performance of lithium amide pyrolysis by ball milling with magnesium. International Journal of Hydrogen Energy, 2021, 46, 18423-18432.	7.1	9
13	Catalytic mechanism of in-situ Ni/C co-incorporation for hydrogen absorption of Mg. Journal of Magnesium and Alloys, 2023, 11, 1815-1824.	11.9	4