

# Yanshan Lu

## List of Publications by Year in descending order

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14  
papers

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758635

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docs citations

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Chemical characterization of Mg <sub>0.25</sub> Mn <sub>0.75</sub> -H(D) nanocomposites by Atom Probe Tomography (APT). <i>Journal of Alloys and Compounds</i> , 2022, 896, 163015.	2.8	1
2	Nanosize effect on the hydrogen storage properties of Mg-based amorphous alloy. <i>Scripta Materialia</i> , 2022, 216, 114736.	2.6	22
3	Strategy of thermodynamic and kinetic improvements for Mg hydride nanostructured by immiscible transition metals. <i>Journal of Power Sources</i> , 2021, 494, 229742.	4.0	17
4	Nanostructural Perspective for Destabilization of Mg Hydride Using the Immiscible Transition Metal Mn. <i>Inorganic Chemistry</i> , 2021, 60, 15024-15030.	1.9	5
5	In situ measurement technologies on solid-state hydrogen storage materials: a review. <i>Materials Today Energy</i> , 2020, 17, 100463.	2.5	32
6	Destabilizing the Dehydrogenation Thermodynamics of Magnesium Hydride by Utilizing the Immiscibility of Mn with Mg. <i>Inorganic Chemistry</i> , 2019, 58, 14600-14607.	1.9	19
7	Destabilizing the dehydriding thermodynamics of MgH <sub>2</sub> by reversible intermetallics formation in Mg <sup>~</sup> Ag <sup>~</sup> Zn ternary alloys. <i>Journal of Power Sources</i> , 2018, 396, 796-802.	4.0	39
8	Hydrogen-Induced Reversible Phase Transformations and Hydrogen Storage Properties of Mg <sup>~</sup> Ag <sup>~</sup> Al Ternary Alloys. <i>Journal of Physical Chemistry C</i> , 2016, 120, 27117-27127.	1.5	19
9	Reversible hydrogen storage and phase transformation with altered desorption pressure in Mg <sub>90</sub> In <sub>5</sub> Cd <sub>5</sub> ternary alloy. <i>Journal of Alloys and Compounds</i> , 2015, 645, S103-S106.	2.8	14
10	Reversible De/hydriding Reactions between Two New Mg <sup>~</sup> In <sup>~</sup> Ni Compounds with Improved Thermodynamics and Kinetics. <i>Journal of Physical Chemistry C</i> , 2015, 119, 26858-26865.	1.5	25
11	Enhanced joint catalysis of YH <sub>2</sub> /Y <sub>2</sub> O <sub>3</sub> on dehydrogenation of MgH <sub>2</sub> . <i>Journal of Alloys and Compounds</i> , 2015, 645, S209-S212.	2.8	16
12	Enhanced discharge capacity and cycling properties in high-samarium, praseodymium/neodymium-free, and low-cobalt A <sub>2</sub> B <sub>7</sub> electrode materials for nickel-metal hydride battery. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 451-455.	3.8	103
13	Reversible de-/hydriding characteristics of a novel Mg <sub>18</sub> In <sub>1</sub> Ni <sub>3</sub> alloy. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 14033-14038.	3.8	15
14	Thermodynamic Tuning of Mg-Based Hydrogen Storage Alloys: A Review. <i>Materials</i> , 2013, 6, 4654-4674.	1.3	157