Yanshan Lu

List of Publications by Year
in descending order

14	484	758635 12	1058022 14
papers	citations	h-index	g-index

14	14	14	441
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Thermodynamic Tuning of Mg-Based Hydrogen Storage Alloys: A Review. Materials, 2013, 6, 4654-4674.	1.3	157
2	Enhanced discharge capacity and cycling properties in high-samarium, praseodymium/neodymium-free, and low-cobalt A 2 B 7 electrode materials for nickel-metal hydride battery. International Journal of Hydrogen Energy, 2015, 40, 451-455.	3.8	103
3	Destabilizing the dehydriding thermodynamics of MgH2 by reversible intermetallics formation in Mgâ^'Agâ^'Zn ternary alloys. Journal of Power Sources, 2018, 396, 796-802.	4.0	39
4	In situ measurement technologies on solid-state hydrogen storage materials: a review. Materials Today Energy, 2020, 17, 100463.	2.5	32
5	Reversible De/hydriding Reactions between Two New Mgâ€“Inâ€“Ni Compounds with Improved Thermodynamics and Kinetics. Journal of Physical Chemistry C, 2015, 119, 26858-26865.	1.5	25
6	Nanosize effect on the hydrogen storage properties of Mg-based amorphous alloy. Scripta Materialia, 2022, 216, 114736.	2.6	22
7	Hydrogen-Induced Reversible Phase Transformations and Hydrogen Storage Properties of Mgâ€“Agâ€“Al Ternary Alloys. Journal of Physical Chemistry C, 2016, 120, 27117-27127.	1.5	19
8	Destabilizing the Dehydrogenation Thermodynamics of Magnesium Hydride by Utilizing the Immiscibility of Mn with Mg. Inorganic Chemistry, 2019, 58, 14600-14607.	1.9	19
9	Strategy of thermodynamic and kinetic improvements for Mg hydride nanostructured by immiscible transition metals. Journal of Power Sources, 2021, 494, 229742.	4.0	17
10	Enhanced joint catalysis of YH2/Y2O3 on dehydrogenation of MgH2. Journal of Alloys and Compounds, 2015, 645, S209-S212.	2.8	16
11	Reversible de-/hydriding characteristics of a novel Mg18In1Ni3 alloy. International Journal of Hydrogen Energy, 2014, 39, 14033-14038.	3.8	15
12	Reversible hydrogen storage and phase transformation with altered desorption pressure in Mg90In5Cd5 ternary alloy. Journal of Alloys and Compounds, 2015, 645, S103-S106.	2.8	14
13	Nanostructural Perspective for Destabilization of Mg Hydride Using the Immiscible Transition Metal Mn. Inorganic Chemistry, 2021, 60, 15024-15030.	1.9	5
14	Chemical characterization of Mg0.25Mn0.75-H(D) nanocomposites by Atom Probe Tomography (APT). Journal of Alloys and Compounds, 2022, 896, 163015.	2.8	1