

Bao Zhang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7329268/publications.pdf>

Version: 2024-02-01

16
papers

320
citations

840776

11
h-index

940533

16
g-index

16
all docs

16
docs citations

16
times ranked

255
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	Effects of microstructure on the hydrogen storage properties of the melt-spun Mg-5Ni-3La (at.%) alloys. Journal of Alloys and Compounds, 2017, 702, 126-131.	5.5	30
3	Ni-Doped Carbon Nanotube-Mg(BH ₄) ₂ Composites for Hydrogen Storage. ACS Applied Nano Materials, 2021, 4, 1604-1612.	5.0	29
4	Effect of Ni content on microstructural evolution and hydrogen storage properties of Mg _x Ni _{1-x} La (x= 5, 10, 15, 20 at.%) alloys. Journal of Alloys and Compounds, 2015, 641, 176-180.	5.5	28
5	Improvement of desorption performance of Mg(BH ₄) ₂ by two-dimensional Ti ₃ C ₂ MXene addition. International Journal of Hydrogen Energy, 2020, 45, 16654-16662.	7.1	25
6	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
7	Effects of additives on the microstructure and hydrogen storage properties of the Li ₃ N-MgH ₂ mixture. Journal of Alloys and Compounds, 2014, 613, 199-203.	5.5	16
8	Catalytic effects of Mg(BH ₄) ₂ on the desorption properties of 2LiNH ₂ -MgH ₂ mixture. International Journal of Hydrogen Energy, 2019, 44, 19294-19301.	7.1	16
9	Microstructural evolution and improved hydrogen storage properties for the Li ₃ N-MgH ₂ system by addition of LiNH ₂ during the hydrogenation/dehydrogenation. International Journal of Hydrogen Energy, 2015, 40, 9298-9305.	7.1	15
10	Li-fluorine codoped electrospun carbon nanofibers for enhanced hydrogen storage. RSC Advances, 2021, 11, 4053-4061.	3.6	14
11	Effects of the different element substitution on hydrogen storage properties of Ti _{0.8} Zr _{0.2} Mn _{0.9} Cr _{0.6} VO ₃ M _{0.2} (M=A=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	Ultrafine platinum nanoparticles supported on N,S-codoped porous carbon nanofibers as efficient multifunctional materials for noticeable oxygen reduction reaction and water splitting performance. Nanoscale Advances, 2022, 4, 1639-1648.	4.6	9
14	Hydrogen storage properties of the mixtures MgH ₂ -Li ₃ N with different molar ratios. Journal of Alloys and Compounds, 2015, 645, S464-S467.	5.5	8
15	Hydrogen absorption-desorption mechanisms for the ball-milled Li ₃ N-MgH ₂ (1:1) mixture. International Journal of Hydrogen Energy, 2014, 39, 13603-13608.	7.1	7
16	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