Bao Zhang

List of Publications by Year
in descending order

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	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
2	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
3	Effects of the different element substitution on hydrogen storage properties of Ti0.8Zr0.2Mn0.9Cr0.6V0.3M0.2 (MÂ=ÂFe, Ni, Co). Journal of Alloys and Compounds, 2022, 908, 164605.	5.5	14
4	Liâ€“fluorine codoped electrospun carbon nanofibers for enhanced hydrogen storage. RSC Advances, 2021, 11, 4053-4061.	3.6	14
5	Ni-Doped Carbon Nanotube-Mg(BH₄)₂ Composites for Hydrogen Storage. ACS Applied Nano Materials, 2021, 4, 1604-1612.	5.0	29
6	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
7	Improvement of desorption performance of Mg(BH4)2 by two-dimensional Ti3C2 MXene addition. International Journal of Hydrogen Energy, 2020, 45, 16654-16662.	7.1	25
8	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
9	Catalytic effects of Mg(BH4)2 on the desorption properties of 2LiNH2-MgH2 mixture. International Journal of Hydrogen Energy, 2019, 44, 19294-19301.	7.1	16
10	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
11	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
12	Microstructural evolution and improved hydrogen storage properties for the Li 3 Nâ€“MgH 2 system by addition of LiNH 2 during the hydrogenation/dehydrogenation. International Journal of Hydrogen Energy, 2015, 40, 9298-9305.	7.1	15
13	Effect of Ni content on microstructural evolution and hydrogen storage properties of Mgâ€“xNiâ€“3La (x= 5, 10, 15, 20 at.%) alloys. Journal of Alloys and Compounds, 2015, 641, 176-180.	5.5	28
14	Hydrogen storage properties of the mixtures MgH2â€“Li3N with different molar ratios. Journal of Alloys and Compounds, 2015, 645, S464-S467.	5.5	8
15	Effects of additives on the microstructure and hydrogen storage properties of the Li3Nâ€“MgH2 mixture. Journal of Alloys and Compounds, 2014, 613, 199-203.	5.5	16
16	Hydrogen absorptionâ€“desorption mechanisms for the ball-milled Li3Nâ€“MgH2 (1:1) mixture. International Journal of Hydrogen Energy, 2014, 39, 13603-13608.	7.1	7