

Nurul Shafikah Mohd Mustafa

List of Publications by Year in descending order

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papers

1,342
citations

361045

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docs citations

33
times ranked

460
citing authors

#	ARTICLE	IF	CITATIONS
1	Hydrogen sorption improvement of MgH ₂ catalyzed by CeO ₂ nanopowder. Journal of Alloys and Compounds, 2017, 695, 2532-2538.	2.8	107
2	The hydrogen storage properties and catalytic mechanism of the CuFe ₂ O ₄ -doped MgH ₂ composite system. International Journal of Hydrogen Energy, 2019, 44, 318-324.	3.8	91
3	Improved Hydrogen Storage Properties of MgH ₂ Co-Doped with FeCl ₃ and Carbon Nanotubes. Journal of Physical Chemistry C, 2014, 118, 18878-18883.	1.5	85
4	MnFe ₂ O ₄ nanopowder synthesised via a simple hydrothermal method for promoting hydrogen sorption from MgH ₂ . International Journal of Hydrogen Energy, 2017, 42, 21114-21120.	3.8	79
5	Synthesis of BaFe ₁₂ O ₁₉ by solid state method and its effect on hydrogen storage properties of MgH ₂ . International Journal of Hydrogen Energy, 2018, 43, 20853-20860.	3.8	74
6	Improved hydrogen storage properties of MgH ₂ by addition of Co ₂ NiO nanoparticles. RSC Advances, 2015, 5, 60983-60989.	1.7	70
7	Catalytic effect of CeCl ₃ on the hydrogen storage properties of MgH ₂ . Materials Chemistry and Physics, 2016, 170, 77-82.	2.0	70
8	Improved hydrogen storage properties of MgH ₂ catalyzed with K ₂ NiF ₆ . Journal of Energy Chemistry, 2016, 25, 832-839.	7.1	68
9	Improvement of hydrogen storage properties in MgH ₂ catalysed by K ₂ NbF ₇ . International Journal of Hydrogen Energy, 2018, 43, 14532-14540.	3.8	68
10	Effect of Na ₃ Fe ₆ catalyst on the hydrogen storage properties of MgH ₂ . Dalton Transactions, 2016, 45, 7085-7093.	1.6	62
11	Nanolayer-like-shaped MgFe ₂ O ₄ synthesised via a simple hydrothermal method and its catalytic effect on the hydrogen storage properties of MgH ₂ . RSC Advances, 2018, 8, 15667-15674.	1.7	56
12	Influence of K ₂ TiF ₆ additive on the hydrogen sorption properties of MgH ₂ . International Journal of Hydrogen Energy, 2014, 39, 15563-15569.	3.8	55
13	Study on the hydrogen storage properties and reaction mechanism of NaAlH ₄ •Mg(BH ₄) ₂ (2:1) with and without TiF ₃ additive. International Journal of Hydrogen Energy, 2015, 40, 7628-7635.	3.8	52
14	A study on the effects of K ₂ ZrF ₆ as an additive on the microstructure and hydrogen storage properties of MgH ₂ . RSC Advances, 2015, 5, 9255-9260.	1.7	47
15	Effect of SrFe ₁₂ O ₁₉ nanopowder on the hydrogen sorption properties of MgH ₂ . RSC Advances, 2016, 6, 110004-110010.	1.7	46
16	Enhanced hydrogen storage properties of 4MgH ₂ •LiAlH ₄ composite system by doping with Fe ₂ O ₃ nanopowder. International Journal of Hydrogen Energy, 2014, 39, 7834-7841.	3.8	45
17	Effect of K ₂ TiF ₆ additive on the hydrogen storage properties of 4MgH ₂ •LiAlH ₄ destabilized system. International Journal of Hydrogen Energy, 2015, 40, 7671-7677.	3.8	32
18	The hydrogen storage properties and reaction mechanism of the NaAlH ₄ •Ca(BH ₄) ₂ composite system. International Journal of Hydrogen Energy, 2018, 43, 11132-11140.	3.8	27

#	ARTICLE	IF	CITATIONS
19	Dehydrogenation Properties and Catalytic Mechanism of the K_2Ni_6 -Doped $NaAlH_4$ System. ACS Omega, 2018, 3, 17100-17107.	1.6	22
20	Improved hydrogen storage properties of $NaAlH_4MgH_2LiBH_4$ ternary-hydride system catalyzed by TiF_3 . International Journal of Hydrogen Energy, 2016, 41, 18107-18113.	3.8	21
21	A study on the hydrogen storage properties and reaction mechanism of $Na_3AlH_6LiBH_4$ composite system. International Journal of Hydrogen Energy, 2018, 43, 8365-8374.	3.8	19
22	Enhanced dehydrogenation performance of $NaAlH_4$ by the addition of spherical $SrTiO_3$. International Journal of Energy Research, 2021, 45, 8648-8658.	2.2	19
23	Modifying the hydrogen storage performances of $NaBH_4$ by catalyzing with $MgFe_2O_4$ synthesized via hydrothermal method. International Journal of Hydrogen Energy, 2019, 44, 6720-6727.	3.8	18
24	Intensive investigation on hydrogen storage properties and reaction mechanism of the $NaBH_4$ - Li_3AlH_6 destabilized system. International Journal of Hydrogen Energy, 2019, 44, 21965-21978.	3.8	17
25	Significant effect of TiF_3 on the performance of $2NaAlH_4+Ca(BH_4)_2$ hydrogen storage properties. International Journal of Hydrogen Energy, 2019, 44, 21979-21987.	3.8	16
26	Enhanced the hydrogen storage properties and reaction mechanisms of $4MgH_2$ \dot{A} + $\dot{\%}$ $LiAlH_4$ composite system by addition with TiO_2 . International Journal of Energy Research, 2021, 45, 21365-21374.	2.2	15
27	Recent Advances on Mg - Li - Al Systems for Solid-State Hydrogen Storage: A Review. Frontiers in Energy Research, 2022, 10, .	1.2	13
28	Hydrogen storage properties of $4MgH_2$ - Li_3AlH_6 composite improved by the addition of K_2TiF_6 . International Journal of Hydrogen Energy, 2015, 40, 12713-12720.	3.8	12
29	Enhanced hydrogen storage properties of K_2TiF_6 doped Mg - Na - Al composite system. Materials Chemistry and Physics, 2018, 217, 350-356.	2.0	10
30	Study of the Hydrogen Storage Properties and Catalytic Mechanism of a MgH_2 - Na_3AlH_6 System Incorporating $FeCl_3$. ACS Omega, 2021, 6, 18948-18956.	1.6	8
31	An investigation on the addition of $SrTiO_3$ to the hydrogen storage properties of the $4MgH_2$ - Li_3AlH_6 composite. International Journal of Energy Research, 2022, 46, 8030-8041.	2.2	8
32	Study the Effect of NiF_2 Additive on the Hydrogen Sorption Properties of $4MgH_2+Li_3AlH_6$ Destabilized System. Materials Today: Proceedings, 2016, 3, S96-S103.	0.9	6
33	Novel materials and technologies for hydrogen storage. , 2020, , 337-365.		4