Nurul Shafikah Mohd Mustafa

List of Publications by Year
in descending order

33 papers	1,342 citations	361045 20 h-index	414034 32 g-index
33 all docs	33 docs citations	33 times ranked	460 citing authors

#	Article	IF	Citations
1	An investigation on the addition of<scp>SrTiO₃</scp>to the hydrogen storage properties of the<scp>4MgH₂â€Li₃AlH₆</scp>composite. International Journal of Energy Research, 2022, 46, 8030-8041.	2.2	8
2	Recent Advances on Mgâ€“Liâ€“Al Systems for Solid-State Hydrogen Storage: A Review. Frontiers in Energy Research, 2022, 10, .	1.2	13
3	Enhanced dehydrogenation performance of<scp>NaAlH₄</scp>by the addition of spherical<scp>SrTiO₃</scp>. International Journal of Energy Research, 2021, 45, 8648-8658.	2.2	19
4	Study of the Hydrogen Storage Properties and Catalytic Mechanism of a MgH₂â€“Na₃AlH₆ System Incorporating FeCl₃. ACS Omega, 2021, 6, 18948-18956.	1.6	8
5	Enhanced the hydrogen storage properties and reaction mechanisms of <scp> 4MgH ₂ </scp> Â+â€‰ <scp> LiAlH ₄ </scp> composite system by addition with <scp> TiO ₂ </scp>. International Journal of Energy Research, 2021, 45, 21365-21374.	2.2	15
6	Novel materials and technologies for hydrogen storage. , 2020, , 337-365.		4
7	The hydrogen storage properties and catalytic mechanism of the CuFe2O4-doped MgH2 composite system. International Journal of Hydrogen Energy, 2019, 44, 318-324.	3.8	91
8	Intensive investigation on hydrogen storage properties and reaction mechanism of the NaBH4-Li3AlH6 destabilized system. International Journal of Hydrogen Energy, 2019, 44, 21965-21978.	3.8	17
9	Significant effect of TiF3 on the performance of 2NaAlH4+Ca(BH4)2 hydrogen storage properties. International Journal of Hydrogen Energy, 2019, 44, 21979-21987.	3.8	16
10	Modifying the hydrogen storage performances of NaBH4 by catalyzing with MgFe2O4 synthesized via hydrothermal method. International Journal of Hydrogen Energy, 2019, 44, 6720-6727.	3.8	18
11	A study on the hydrogen storage properties and reaction mechanism of Na3AlH6LiBH4 composite system. International Journal of Hydrogen Energy, 2018, 43, 8365-8374.	3.8	19
12	Nanolayer-like-shaped MgFe₂O₄ synthesised via a simple hydrothermal method and its catalytic effect on the hydrogen storage properties of MgH₂. RSC Advances, 2018, 8, 15667-15674.	1.7	56
13	Dehydrogenation Properties and Catalytic Mechanism of the K₂NiF₆-Doped NaAlH₄ System. ACS Omega, 2018, 3, 17100-17107.	1.6	22
14	Synthesis of BaFe12O19 by solid state method and its effect on hydrogen storage properties of MgH2. International Journal of Hydrogen Energy, 2018, 43, 20853-20860.	3.8	74
15	The hydrogen storage properties and reaction mechanism of the NaAlH4Â+ÂCa(BH4)2 composite system. International Journal of Hydrogen Energy, 2018, 43, 11132-11140.	3.8	27
16	Improvement of hydrogen storage properties in MgH2 catalysed by K2NbF7. International Journal of Hydrogen Energy, 2018, 43, 14532-14540.	3.8	68
17	Enhanced hydrogen storage properties of K2TiF6 doped Mg-Na-Al composite system. Materials Chemistry and Physics, 2018, 217, 350-356.	2.0	10
18	MnFe2O4 nanopowder synthesised via a simple hydrothermal method for promoting hydrogen sorption from MgH2. International Journal of Hydrogen Energy, 2017, 42, 21114-21120.	3.8	79

#	Article	IF	Citations
19	Hydrogen sorption improvement of MgH2 catalyzed by CeO2 nanopowder. Journal of Alloys and Compounds, 2017, 695, 2532-2538.	2.8	107
20	Improved hydrogen storage properties of MgH 2 catalyzed with K 2 NiF 6. Journal of Energy Chemistry, 2016, 25, 832-839.	7.1	68
21	Study the Effect of NiF2 Additive on the Hydrogen Sorption Properties of 4MgH2+Li3AlH6 Destabilized System. Materials Today: Proceedings, 2016, 3, S96-S103.	0.9	6
22	Improved hydrogen storage properties of NaAlH4MgH2LiBH4 ternary-hydride system catalyzed by TiF3. International Journal of Hydrogen Energy, 2016, 41, 18107-18113.	3.8	21
23	Effect of SrFe₁₂O₁₉ nanopowder on the hydrogen sorption properties of MgH₂. RSC Advances, 2016, 6, 110004-110010.	1.7	46
24	Effect of Na₃FeF₆ catalyst on the hydrogen storage properties of MgH₂. Dalton Transactions, 2016, 45, 7085-7093.	1.6	62
25	Catalytic effect of CeCl3 on the hydrogen storage properties of MgH2. Materials Chemistry and Physics, 2016, 170, 77-82.	2.0	70
26	Effect of K2TiF6 additive on the hydrogen storage properties of 4MgH2â€“LiAlH4 destabilized system. International Journal of Hydrogen Energy, 2015, 40, 7671-7677.	3.8	32
27	Study on the hydrogen storage properties and reaction mechanism of NaAlH4â€“Mg(BH4)2 (2:1) with and without TiF3 additive. International Journal of Hydrogen Energy, 2015, 40, 7628-7635.	3.8	52
28	Improved hydrogen storage properties of MgH₂by addition of Co₂NiO nanoparticles. RSC Advances, 2015, 5, 60983-60989.	1.7	70
29	Hydrogen storage properties of 4MgH2â€“Li3AlH6 composite improved by the addition of K2TiF6. International Journal of Hydrogen Energy, 2015, 40, 12713-12720.	3.8	12
30	A study on the effects of K₂ZrF₆ as an additive on the microstructure and hydrogen storage properties of MgH₂. RSC Advances, 2015, 5, 9255-9260.	1.7	47
31	Influence of K2TiF6 additive on the hydrogen sorption properties of MgH2. International Journal of Hydrogen Energy, 2014, 39, 15563-15569.	3.8	55
32	Improved Hydrogen Storage Properties of MgH₂ Co-Doped with FeCl₃ and Carbon Nanotubes. Journal of Physical Chemistry C, 2014, 118, 18878-18883.	1.5	85
33	Enhanced hydrogen storage properties of 4MgH2Â+ÂLiAlH4 composite system by doping with Fe2O3 nanopowder. International Journal of Hydrogen Energy, 2014, 39, 7834-7841.	3.8	45