Nurul Hayati Idris

List of Publications by Year
in descending order

43	1,890	257101 24	276539 41
papers	citations	h-index	g-index

43	43	43	2541
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Review on recent progress in <scp>Manganeseâ€based</scp> anode materials for <scp>sodiumâ€ion</scp> batteries. International Journal of Energy Research, 2022, 46, 667-683.	2.2	13
2	Effect of K2NbF7 on the hydrogen release behaviour of NaAlH4. Journal of Alloys and Compounds, 2021, 851, 156686.	2.8	18
3	Magnetism and Thermomechanical Properties in Si Substituted MnCoGe Compounds. Crystals, 2021, 11, 694.	1.0	7
4	Recent Development of Nickel-Rich and Cobalt-Free Cathode Materials for Lithium-Ion Batteries. Batteries, 2021, 7, 84.	2.1	27
5	LaFeO3 synthesised by solid-state method for enhanced sorption properties of MgH2. Results in Physics, 2020, 16, 102844.	2.0	84
6	Electrochemical Sodiation/Desodiation into Mn₃O₄ Nanoparticles. ACS Omega, 2020, 5, 29158-29167.	1.6	16
7	Investigation on the Electrochemical Performances of Mn2O3 as a Potential Anode for Na-Ion Batteries. Scientific Reports, 2020, 10, 9207.	1.6	25
8	Enhancement of dehydrogenation properties in LiAlH4 catalysed by BaFe12O19. Journal of Alloys and Compounds, 2020, 835, 155183.	2.8	26
9	Electrochemical performance of LiNi0.5Mn1.5O4 synthesised via ball-milling for Li-ion batteries. Ionics, 2019, 25, 2069-2076.	1.2	1
10	Synergistic Effect on the Electrochemical Performances of Polypyrrole Nanoparticles Distributed on the Graphene Layers as an Electrodes for Supercapacitors. International Journal of Electrochemical Science, 2019, , 6920-6937.	0.5	2
11	Catalytic effects of MgFe2O4 addition on the dehydrogenation properties of LiAlH4. International Journal of Hydrogen Energy, 2019, 44, 28227-28234.	3.8	24
12	Nanoflakes MgNiO2 synthesised via a simple hydrothermal method and its catalytic roles on the hydrogen sorption performance of MgH2. Journal of Alloys and Compounds, 2019, 796, 279-286.	2.8	90
13	Desorption properties of LiAlH4 doped with LaFeO3 catalyst. International Journal of Hydrogen Energy, 2019, 44, 11953-11960.	3.8	31
14	Structure analysis using XRD refinement for replacement of copper (Cu) with manganese (Mn) in NdMn2Si2 compound. AIP Conference Proceedings, 2019, , .	0.3	4
15	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
16	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
17	Molten Salt Synthesis of Disordered Spinel LiNi0.5Mn1.5O4 with Improved Electrochemical Performance for Li-ion Batteries. International Journal of Electrochemical Science, 2018, 13, 10113-10126.	0.5	5
18	Systematically study on the magnetism and critical behaviour of layered NdMn1.4Cu0.6Si2. AIP Conference Proceedings, 2018, , .	0.3	0

#	Article	IF	Citations
19	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
20	Catalytic effect of MgFe2O4 on the hydrogen storage properties of Na3AlH6â€“LiBH4 composite system. International Journal of Hydrogen Energy, 2018, 43, 20882-20891.	3.8	19
21	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
22	In-situ encapsulation of nickel nanoparticles in polypyrrole nanofibres with enhanced performance for supercapacitor. Electrochimica Acta, 2017, 249, 9-15.	2.6	37
23	Ionic liquid based PVDF/PMMA gel polymer electrolyte for lithium rechargeable battery. Journal of Mechanical Engineering and Sciences, 2017, 11, 3152-3165.	0.3	9
24	Disordered spinel LiNi0.5Mn1.5O4 cathode with improved rate performance for lithium-ion batteries. Electrochimica Acta, 2016, 206, 374-380.	2.6	28
25	Comparison on Electrochemical Performances of LiNi0.5Mn1.5O4 Cathode Materials Synthesized Using Different Precursors. Materials Today: Proceedings, 2016, 3, S129-S135.	0.9	5
26	Enhanced Capacitance of Hybrid Layered Graphene/Nickel Nanocomposite for Supercapacitors. Scientific Reports, 2016, 6, 32082.	1.6	44
27	Microporous Chitosan-Succinonitrile Membrane for Lithium Rechargeable Batteries. Advanced Materials Research, 2016, 1133, 8-12.	0.3	1
28	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
29	Enhanced Lithium Storage in Co3O4/carbon Anode for Li-ion Batteries. Electrochimica Acta, 2015, 182, 452-457.	2.6	33
30	Plastic crystalâ€“solid biopolymer electrolytes for rechargeable lithium batteries. Journal of Membrane Science, 2014, 468, 149-154.	4.1	52
31	Microporous gel polymer electrolytes for lithium rechargeable battery application. Journal of Power Sources, 2012, 201, 294-300.	4.0	163
32	Effects of polypyrrole on the performance of nickel oxide anode materials for rechargeable lithium-ion batteries. Journal of Materials Research, 2011, 26, 860-866.	1.2	36
33	Rapid synthesis of binary Î±-NiSâ€“Î²-NiS by microwave autoclave for rechargeable lithium batteries. Electrochimica Acta, 2011, 58, 456-462.	2.6	65
34	Grapheneâ€Encapsulated Fe₃O₄ Nanoparticles with 3D Laminated Structure as Superior Anode in Lithium Ion Batteries. Chemistry - A European Journal, 2011, 17, 661-667.	1.7	395
35	Synthesis and electrochemical performance of LiV3O8/carbon nanosheet composite as cathode material for lithium-ion batteries. Composites Science and Technology, 2011, 71, 343-349.	3.8	51
36	Synthesis and characterization of grapheneâ€“nickel oxide nanostructures for fast chargeâ€“discharge application. Electrochimica Acta, 2011, 56, 5815-5822.	2.6	141

#	Article	IF	Citations
37	Enhanced lithium storage in a VO2(B)-multiwall carbon nanotube microsheet composite prepared via an in situ hydrothermal process. Electrochimica Acta, 2010, 56, 693-699.	2.6	65
38	Dielectric spectra of LiTFSI-doped chitosan/PEO blends. Ionics, 2007, 13, 213-217.	1.2	54
39	Effect of Ethylene Sulphite on the Conductivity and Morphology of PEO-KOH Films. Materials Science Forum, 2006, 517, 89-92.	0.3	1
40	Ionic Hopping Transport in Chitosan-Based Polymer Electrolytes. Materials Science Forum, 2006, 517, 237-241.	0.3	3
41	Conductivity studies on chitosan/PEO blends with LiTFSI salt. Ionics, 2005, 11, 375-377.	1.2	35
42	Transport studies on filler-doped chitosan based polymer electrolyte. Ionics, 2005, 11, 451-455.	1.2	18
43	Study of Heat Treatment Effect in MnCoGe Compound on Stucture and Electric Properties. Materials Science Forum, 0, 1010, 86-91.	0.3	3