

Yunfeng Zhu

List of Publications by Year in descending order

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110
papers

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126907

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197818

49
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110
all docs

110
docs citations

110
times ranked

1309
citing authors

#	ARTICLE	IF	CITATIONS
1	An investigation on the structural and electrochemical properties of La _{0.7} Mg _{0.3} (Ni _{0.85} Co _{0.15}) _x (x=3.15~3.80) hydrogen storage electrode alloys. <i>Journal of Alloys and Compounds</i> , 2003, 351, 228-234.	5.5	146
2	State of the art multi-strategy improvement of Mg-based hydrides for hydrogen storage. <i>Journal of Alloys and Compounds</i> , 2019, 782, 796-823.	5.5	122
3	Metal Hydride Nanoparticles with Ultrahigh Structural Stability and Hydrogen Storage Activity Derived from Microencapsulated Nanoconfinement. <i>Advanced Materials</i> , 2017, 29, 1700760.	21.0	115
4	The effect of Mn substitution for Ni on the structural and electrochemical properties of La _{0.7} Mg _{0.3} Ni _{2.55} ^x Co _{0.45} Mn _x hydrogen storage electrode alloys. <i>International Journal of Hydrogen Energy</i> , 2004, 29, 297-305.	7.1	101
5	Nickel-decorated graphene nanoplates for enhanced H ₂ sorption properties of magnesium hydride at moderate temperatures. <i>Journal of Materials Chemistry A</i> , 2016, 4, 2560-2570.	10.3	98
6	Facile Synthesis of Carbon Supported Nano-Ni Particles with Superior Catalytic Effect on Hydrogen Storage Kinetics of MgH ₂ . <i>ACS Applied Energy Materials</i> , 2018, 1, 1158-1165.	5.1	75
7	Remarkable Synergistic Catalysis of Ni-Doped Ultrafine TiO ₂ on Hydrogen Sorption Kinetics of MgH ₂ . <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 24975-24980.	8.0	71
8	Investigation of the Structural and Electrochemical Properties of Superstoichiometric Ti-Zr-V-Mn-Cr-Ni Hydrogen Storage Alloys. <i>Journal of the Electrochemical Society</i> , 2002, 149, A829.	2.9	60
9	Kinetic performance of hydrogen generation enhanced by AlCl ₃ via hydrolysis of MgH ₂ prepared by hydriding combustion synthesis. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 10232-10239.	7.1	57
10	Crystal-facet-dependent catalysis of anatase TiO ₂ on hydrogen storage of MgH ₂ . <i>Journal of Alloys and Compounds</i> , 2020, 822, 153553.	5.5	57
11	Synergistic effect of rGO supported Ni ₃ Fe on hydrogen storage performance of MgH ₂ . <i>International Journal of Hydrogen Energy</i> , 2020, 45, 16622-16633.	7.1	56
12	Efficient catalysis by MgCl ₂ in hydrogen generation via hydrolysis of Mg-based hydride prepared by hydriding combustion synthesis. <i>Chemical Communications</i> , 2012, 48, 5509.	4.1	54
13	Interface effect in sandwich like Ni/Ti ₃ C ₂ catalysts on hydrogen storage performance of MgH ₂ . <i>Applied Surface Science</i> , 2021, 564, 150302.	6.1	54
14	Effect of Few-Layer Ti ₃ C ₂ T _x Supported Nano-Ni via Self-Assembly Reduction on Hydrogen Storage Performance of MgH ₂ . <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 47684-47694.	8.0	53
15	Effect of multi-wall carbon nanotubes supported nano-nickel and TiF ₃ addition on hydrogen storage properties of magnesium hydride. <i>Journal of Alloys and Compounds</i> , 2016, 669, 8-18.	5.5	52
16	Enhancing hydrogen storage performances of MgH ₂ by Ni nano-particles over mesoporous carbon CMK-3. <i>Nanotechnology</i> , 2018, 29, 265705.	2.6	52
17	XRD study of the hydrogenation and dehydrogenation process of the two different phase components in a Ti-V-based multiphase hydrogen storage electrode alloy. <i>Journal of Alloys and Compounds</i> , 2004, 370, 254-260.	5.5	50
18	Controlling nanocrystallization and hydrogen storage property of Mg-based amorphous alloy via a gas-solid reaction. <i>Journal of Alloys and Compounds</i> , 2016, 685, 272-277.	5.5	49

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19	Catalytic effect of in situ formed nano-Mg ₂ Ni and Mg ₂ Cu on the hydrogen storage properties of Mg-Y hydride composites. <i>Journal of Alloys and Compounds</i> , 2019, 782, 242-250.	5.5	49
20	Effect of La/Ni ratio on hydrogen storage properties of Mg-Ni-La system prepared by hydriding combustion synthesis followed by mechanical milling. <i>International Journal of Hydrogen Energy</i> , 2008, 33, 2970-2974.	7.1	48
21	Effect of rGO supported NiCu derived from layered double hydroxide on hydrogen sorption kinetics of MgH ₂ . <i>Journal of Alloys and Compounds</i> , 2019, 789, 768-776.	5.5	47
22	Effect of multi-wall carbon nanotubes supported palladium addition on hydrogen storage properties of magnesium hydride. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 10184-10194.	7.1	46
23	Hydrogen storage properties of Mg-Ni-Cu prepared by hydriding combustion synthesis and mechanical milling (HCS+MM). <i>International Journal of Hydrogen Energy</i> , 2009, 34, 2654-2660.	7.1	45
24	Effects of two-dimension MXene Ti ₃ C ₂ on hydrogen storage performances of MgH ₂ -LiAlH ₄ composite. <i>Chemical Physics</i> , 2019, 522, 178-187.	1.9	45
25	Significantly improved electrochemical hydrogen storage properties of magnesium nickel hydride modified with nano-nickel. <i>Journal of Power Sources</i> , 2015, 280, 132-140.	7.8	43
26	Controllable fabrication of Ni-based catalysts and their enhancement on desorption properties of MgH ₂ . <i>Journal of Alloys and Compounds</i> , 2017, 715, 329-336.	5.5	43
27	Catalysis derived from flower-like Ni MOF towards the hydrogen storage performance of magnesium hydride. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 9346-9356.	7.1	41
28	Structural and electrochemical hydrogen storage properties of Mg ₂ Ni-based alloys. <i>Journal of Alloys and Compounds</i> , 2011, 509, 5309-5314.	5.5	40
29	Ultra-fine TiO ₂ nanoparticles supported on three-dimensionally ordered macroporous structure for improving the hydrogen storage performance of MgH ₂ . <i>Applied Surface Science</i> , 2022, 585, 152561.	6.1	39
30	Remarkable synergistic effects of Mg ₂ NiH ₄ and transition metal carbides (TiC, ZrC, WC) on enhancing the hydrogen storage properties of MgH ₂ . <i>International Journal of Hydrogen Energy</i> , 2020, 45, 6765-6779.	7.1	38
31	Hydrogen storage properties of Mg-Ni-C system hydrogen storage materials prepared by hydriding combustion synthesis and mechanical milling. <i>International Journal of Hydrogen Energy</i> , 2010, 35, 6350-6355.	7.1	34
32	Boosting low-temperature de/re-hydrogenation performances of MgH ₂ with Pd-Ni bimetallic nanoparticles supported by mesoporous carbon. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 10777-10787.	7.1	34
33	Excellent catalytic effects of multi-walled carbon nanotube supported titania on hydrogen storage of a Mg-Ni alloy. <i>Chemical Communications</i> , 2015, 51, 2368-2371.	4.1	33
34	Enhancing hydrogen storage properties of MgH ₂ by core-shell CoNi@C. <i>Journal of Alloys and Compounds</i> , 2021, 862, 158004.	5.5	33
35	Hydrogen storage properties of Mg _{100-x} Ni _x (x=5, 11.3, 20, 25) composites prepared by hydriding combustion synthesis followed by mechanical milling (HCS+MM). <i>Intermetallics</i> , 2007, 15, 1582-1588.	3.9	32
36	Mechanism of the high activity of Mg ₂ NiH ₄ Mg ₂ NiH ₄ produced by hydriding combustion synthesis based on the analysis of phase composition, particle characteristic and grain size. <i>International Journal of Hydrogen Energy</i> , 2007, 32, 2455-2460.	7.1	32

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37	Highly efficient bimetal synergetic catalysis by a multi-wall carbon nanotube supported palladium and nickel catalyst for the hydrogen storage of magnesium hydride. <i>Chemical Communications</i> , 2014, 50, 6641-6644.	4.1	32
38	Superior hydrogenation properties in a Mg ₆₅ Ce ₁₀ Ni ₂₀ Cu ₅ nanoglass processed by melt-spinning followed by high-pressure torsion. <i>Scripta Materialia</i> , 2018, 152, 137-140.	5.2	32
39	VS ₄ anchored on Ti ₃ C ₂ MXene as a high-performance cathode material for magnesium ion battery. <i>Journal of Power Sources</i> , 2022, 518, 230731.	7.8	32
40	in-situ formed Pt nano-clusters serving as destabilization-catalysis bi-functional additive for MgH ₂ . <i>Chemical Engineering Journal</i> , 2022, 435, 135050.	12.7	31
41	A study on improving the cycling stability of (Ti _{0.8} Zr _{0.2})(V _{0.533} Mn _{0.107} Cr _{0.16} Ni _{0.2}) ₄ hydrogen storage electrode alloy by means of annealing treatment. <i>Journal of Alloys and Compounds</i> , 2003, 348, 301-308.	5.5	30
42	Structure and hydrogenation properties of nanocrystalline Mg ₂ Ni prepared by hydriding combustion synthesis and mechanical milling. <i>Journal of Alloys and Compounds</i> , 2008, 455, 197-202.	5.5	30
43	Controllable hydrogen generation behavior by hydrolysis of MgH ₂ -based materials. <i>Journal of Power Sources</i> , 2021, 494, 229726.	7.8	29
44	Alkaline poly(vinyl alcohol)/poly(acrylic acid) polymer electrolyte membrane for Ni-MH battery application. <i>Ionics</i> , 2015, 21, 141-148.	2.4	27
45	Enhanced hydrogen generation via hydrolysis of Mg-Mg ₂ NiH ₄ system. <i>Journal of Power Sources</i> , 2020, 476, 228499.	7.8	27
46	Synergistic hydrogen desorption of HCS MgH ₂ -AlH ₄ composite. <i>Energy</i> , 2013, 55, 933-938.	8.8	25
47	Catalytic effect of sandwich-like Ti ₃ C ₂ /TiO ₂ (A)-C on hydrogen storage performance of MgH ₂ . <i>Nanotechnology</i> , 2020, 31, 115404.	2.6	25
48	Enhanced hydriding kinetics of Mg-10at% Al composite by forming Al ₁₂ Mg ₁₇ during hydriding combustion synthesis. <i>Journal of Alloys and Compounds</i> , 2017, 712, 44-49.	5.5	24
49	Characterization of hydrogen storage properties of Mg-30wt.% Ti _{1.0} V _{1.1} Mn _{0.9} composite. <i>Journal of Alloys and Compounds</i> , 2006, 424, 382-387.	5.5	21
50	Hydrogenation properties of five-component Mg ₆₀ Ce ₁₀ Ni ₂₀ Cu ₅ X ₅ (X= Co, Zn) metallic glasses. <i>Intermetallics</i> , 2019, 108, 94-99.	3.9	21
51	A study on improving the cycling stability of (Ti _{0.8} Zr _{0.2})(V _{0.533} Mn _{0.107} Cr _{0.16} Ni _{0.2}) ₄ hydrogen storage electrode alloy by means of annealing treatment. <i>Journal of Alloys and Compounds</i> , 2002, 347, 279-284.	5.5	20
52	Catalytic mechanism of Nb ₂ O ₅ and NbF ₅ on the dehydriding property of Mg ₉₅ Ni ₅ prepared by hydriding combustion synthesis and mechanical milling. <i>International Journal of Hydrogen Energy</i> , 2009, 34, 7707-7713.	7.1	20
53	Vacancy-Mediated Hydrogen Spillover Improving Hydrogen Storage Properties and Air Stability of Metal Hydrides. <i>Small</i> , 2021, 17, e2100852.	10.0	20
54	Hydrogen storage properties of Mg-Ni-Fe composites prepared by hydriding combustion synthesis and mechanical milling. <i>Journal of Alloys and Compounds</i> , 2012, 520, 207-212.	5.5	19

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55	Cobalt ion intercalated MnO ₂ /C as air cathode catalyst for rechargeable aluminum-air battery. <i>Journal of Alloys and Compounds</i> , 2020, 824, 153950.	5.5	19
56	Structural and electrochemical properties of hydrogen storage alloys Ti _{0.8} Zr _{0.2} V _{2.7} Mn _{0.5} Cr _{0.8} Ni _x (x) Tj ETQq0 0 0 rgBT /Overlock 10 T	3.5	18
57	Structures and hydrogen storage properties of Mg ₉₅ Ni ₅ composite prepared by hydriding combustion synthesis and mechanical milling. <i>Materials Chemistry and Physics</i> , 2008, 112, 218-222.	4.0	18
58	Superior hydrogen storage properties of Mg ₉₅ Ni ₅ +10wt.% nanosized Zr _{0.7} Ti _{0.3} Mn ₂ +3wt.% MWCNT prepared by hydriding combustion synthesis followed by mechanical milling (HCS+MM). <i>International Journal of Hydrogen Energy</i> , 2012, 37, 17146-17152.	7.1	18
59	Air-stable magnesium nickel hydride with autocatalytic and self-protective effect for reversible hydrogen storage. <i>Nano Research</i> , 2022, 15, 2130-2137.	10.4	18
60	Synergistic effect of TiH ₂ and air exposure on enhancing hydrogen storage performance of Mg ₂ NiH ₄ . <i>Chemical Engineering Journal</i> , 2022, 433, 134489.	12.7	18
61	Electrochemical properties of Mg-based hydrogen storage alloys prepared by hydriding combustion synthesis and subsequent mechanical milling (HCS+MM). <i>International Journal of Hydrogen Energy</i> , 2008, 33, 2965-2969.	7.1	17
62	Magnesium Nanoparticles With Pd Decoration for Hydrogen Storage. <i>Frontiers in Chemistry</i> , 2019, 7, 949.	3.6	17
63	Electrochemical hydrogen storage properties of Mg ₂ -xAl _x Ni (x=0, 0.3, 0.5, 0.7) prepared by hydriding combustion synthesis and mechanical milling. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 18140-18147.	7.1	16
64	Remarkable hydrogen storage properties at low temperature of Mg-Ni composites prepared by hydriding combustion synthesis and mechanical milling. <i>RSC Advances</i> , 2015, 5, 63202-63208.	3.6	16
65	Phase transformation, kinetics and thermodynamics during the combustion synthesis of Mg ₂ Al ₃ alloy. <i>Journal of Alloys and Compounds</i> , 2015, 628, 257-262.	5.5	15
66	The hydrogen storage performance of a 4MgH ₂ LiAlH ₄ TiH ₂ composite system. <i>Journal of Alloys and Compounds</i> , 2016, 676, 557-564.	5.5	15
67	Structural and hydriding/dehydriding properties of Mg-La-Ni-based composites. <i>Journal of Alloys and Compounds</i> , 2009, 477, 440-444.	5.5	14
68	Effect of partial substitution of Ti for Al on the phase structure and electrochemical hydrogen storage properties of Mg ₃ AlNi ₂ alloy. <i>Journal of Alloys and Compounds</i> , 2018, 746, 421-427.	5.5	14
69	Effect of rapid solidification on the structural and electrochemical properties of the Ti-V-based hydrogen storage electrode alloy. <i>Journal of Alloys and Compounds</i> , 2008, 463, 528-532.	5.5	13
70	Improved dehydriding property of polyvinylpyrrolidone coated Mg-Ni hydrogen storage nano-composite prepared by hydriding combustion synthesis and wet mechanical milling. <i>Progress in Natural Science: Materials International</i> , 2018, 28, 7-14.	4.4	13
71	Improved Hydrogen Absorption/Desorption Properties of MgH ₂ by Co-Catalyzing of YH ₂ and Co@C. <i>ChemistrySelect</i> , 2019, 4, 7709-7714.	1.5	13
72	Ultrahigh rate capability and long cycling stability of dual-ion batteries enabled by TiO ₂ microspheres with abundant oxygen vacancies. <i>Chemical Communications</i> , 2020, 56, 8039-8042.	4.1	13

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73	Kinetics and electrochemical characteristics of Mg ₂ NiH _{4-x} wt.% MmNi _{3.8} Co _{0.75} Mn _{0.4} Al _{0.2} (x=5, 10, 20). <i>Tj ETQq</i> 1 1 0.784314 rgB	7.1	12
74	Nano-inducement of Ni for low-temperature dominant dehydrogenation of Mg-Al alloy prepared by HCS+MM. <i>Journal of Alloys and Compounds</i> , 2020, 819, 153020.	5.5	12
75	One-step self-assembly of TiO ₂ /MXene heterostructures for improving the hydrogen storage performance of magnesium hydride. <i>Journal of Alloys and Compounds</i> , 2022, 895, 162635.	5.5	12
76	Hydriding combustion synthesis of Mg-CaNi ₅ composites. <i>Journal of Alloys and Compounds</i> , 2008, 458, 394-397.	5.5	11
77	Synergistic hydrogen desorption properties of the 4LiAlH ₄ +Mg ₂ NiH ₄ composite. <i>Journal of Alloys and Compounds</i> , 2017, 697, 80-85.	5.5	11
78	Effect of Al* generated in situ in hydriding on the dehydriding properties of Mg-Al alloys prepared by hydriding combustion synthesis and mechanical milling. <i>Journal of Alloys and Compounds</i> , 2018, 750, 490-498.	5.5	11
79	NiSe ₂ /Ti ₃ C ₂ as a promising cathode material for rechargeable dual Mg/Li-ion battery. <i>Materials Letters</i> , 2021, 283, 128721.	2.6	11
80	Combustion synthesis of Mg-based hydrogen storage alloy Mg ₁₇ Al ₁₂ . <i>Advanced Powder Technology</i> , 2013, 24, 643-646.	4.1	10
81	The effects of Pd and/or Zr additives on the structures and cyclic stabilities of Mg ₅₀ Ni ₅₀ -based electrode alloys. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 2768-2774.	7.1	10
82	Improved hydrogen storage properties of Ti-doped Mg ₉₅ Ni ₅ powder produced by hydriding combustion synthesis. <i>Journal of Materials Research</i> , 2015, 30, 967-972.	2.6	10
83	Synergistically tuned hydrogen storage thermodynamics and kinetics of Mg-Al alloys by Cu formed in situ mechanochemically. <i>Journal of Alloys and Compounds</i> , 2019, 806, 370-377.	5.5	10
84	Facet-dependent catalytic activity of two-dimensional Ti ₃ C ₂ T _x MXene on hydrogen storage performance of MgH ₂ . <i>Journal of Magnesium and Alloys</i> , 2023, 11, 3724-3735.	11.9	10
85	Enhanced hydrogen storage performance of magnesium hydride with incompletely etched Ti ₃ C ₂ T _x : The nonnegligible role of Al. <i>Applied Surface Science</i> , 2022, 600, 154140.	6.1	10
86	The electrochemical hydrogen storage performances of Mg _x Co _{100-x} (x=40, 45, 50, 55, 60, 63) body-centered cubic alloys and their Pd-doped system. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 1089-1097.	7.1	9
87	Synergistic Catalytic Mechanism between Ni and Carbon Aerogel for Dehydrogenation of Mg-Based Hydrides. <i>Energy & Fuels</i> , 2020, 34, 10232-10240.	5.1	9
88	Enhanced hydrogen sorption kinetics of MgH ₂ catalyzed by a novel layered Ni/Al ₂ O ₃ hybrid. <i>Journal of Alloys and Compounds</i> , 2022, 895, 162682.	5.5	9
89	Electrochemical properties of Mg-based hydrogen storage materials modified with carbonaceous materials prepared by hydriding combustion synthesis and subsequent mechanical milling (HCS+MM). <i>International Journal of Hydrogen Energy</i> , 2010, 35, 9653-9660.	7.1	8
90	Influence of Sn, Cd, and Si addition on the electrochemical performance of Al-Zn-In sacrificial anodes. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2020, 71, 585-592.	1.5	8

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91	Hydrogen storage performances and reaction mechanism of non-stoichiometric compound Li _{1.3} Na _{1.7} AlH ₆ doped with Ti ₃ C ₂ . Chemical Physics, 2018, 513, 135-140.	1.9	7
92	Enhanced dehydrogenation properties of LiAlH ₄ @Mg ₂ NiH ₄ nanocomposites via doping Ti-based catalysts. Materials Research Express, 2019, 6, 075067.	1.6	7
93	Effect of Si substitution for Al on the structural and hydrogenation properties of the Zintl phase alloy SrAl ₂ . Journal of Alloys and Compounds, 2009, 485, 439-443.	5.5	6
94	The electrochemical hydrogen storage properties of Mg ₆₇ ~Pd Co ₃₃ (x=1, 3, 5, 7) electrodes with BCC phase. Journal of Alloys and Compounds, 2016, 662, 396-403.	5.5	6
95	Effects of VF 4 on the hydriding cycling at 373 K and dehydriding of Mg ₉₉ Ni prepared by hydriding combustion synthesis and mechanical milling (HCS+MM). Journal of Alloys and Compounds, 2017, 698, 913-920.	5.5	6
96	Catalytic effect of micro/nano-Ni on dehydrogenation performance of Mg ₉₀ Al ₁₀ during air exposure. Applied Surface Science, 2022, 595, 153569.	6.1	6
97	Effects of metal additive on electrochemical performances of Mg-based hydrogen storage materials prepared by hydriding combustion synthesis and subsequent mechanical milling (HCS+MM). International Journal of Hydrogen Energy, 2010, 35, 8241-8246.	7.1	5
98	Hydrogen storage properties of the Zintl phase alloy SrAl ₂ doped with TiF ₃ . Journal of Alloys and Compounds, 2010, 492, 277-281.	5.5	5
99	Catalytic Effect of Multi-Wall Carbon Nanotubes Supported Nickel on Hydrogen Storage Properties of Mg ₉₉ Ni Prepared by Hydriding Combustion Synthesis. Materials Transactions, 2014, 55, 1149-1155.	1.2	5
100	Growth restriction of Co ₃ O ₄ nanoparticles by MnO ₂ nanorods as air cathode catalyst for rechargeable aluminum-air battery. International Journal of Energy Research, 2022, 46, 11174-11184.	4.5	5
101	Significantly improved hydrogen storage properties of Mg ₉₀ Al ₁₀ catalyzed by TiF ₃ . Journal of Alloys and Compounds, 2022, 908, 164581.	5.5	5
102	Structural and hydrogenation properties of SrAl ₂ ~xNi _x alloys. International Journal of Hydrogen Energy, 2008, 33, 7498-7504.	7.1	4
103	Electrochemical properties of Mg ₃ MnNi ₂ -x% polymethyl methacrylate-multiwalled carbon nanotubes (PMMA-MWCNTs) (x=25, 50, 75, 100). Journal of Materials Science, 2018, 53, 6033-6041.	3.7	4
104	Electrochemical Performance of Al-1Zn-0.1In-0.1Sn-0.5Mg-xMn (x = 0, 0.1, 0.2, 0.3) Alloys Used as the Anode of an Al-Air Battery. Processes, 2022, 10, 420.	2.8	4
105	Improvement effect of reversible solid solutions Mg ₂ Ni(Cu)/ Mg ₂ Ni(Cu)H ₄ on hydrogen storage performance of MgH ₂ . Journal of Magnesium and Alloys, 2024, 12, 197-208.	11.9	4
106	Purity of MgH ₂ Improved by the Process of Pre-milling Assisted Hydriding of Mg Powder under a Hydrogen Pressure of 0.5 MPa. Russian Journal of Physical Chemistry A, 2019, 93, 665-673.	0.6	3
107	Mechanism of improving hydrogenation of Mg by in-situ formation of Al* in hydriding combustion synthesis. Journal of Alloys and Compounds, 2022, 911, 164969.	5.5	3
108	Supra Hydrolytic Catalysis of Ni ₃ Fe/rGO for Hydrogen Generation. Advanced Science, 2022, 9, e2201428.	11.2	3

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109	Effect of surface oxidation on the hydriding and dehydriding of Mg ₂ Ni alloy produced by hydriding combustion synthesis. <i>Journal of Materials Science</i> , 2007, 42, 9725-9729.	3.7	2
110	An exciting synergistic effect: realizing large-sized MgH ₂ dehydrogenation at lowered temperatures by locally assembling a heterophase composite. <i>Materials Today Energy</i> , 2019, 14, 100345.	4.7	2