

# Yunfeng Zhu

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1189150/publications.pdf>

Version: 2024-02-01

110  
papers

3,069  
citations

126907

33  
h-index

197818

49  
g-index

110  
all docs

110  
docs citations

110  
times ranked

1309  
citing authors

#	ARTICLE	IF	CITATIONS
1	Improvement effect of reversible solid solutions Mg <sub>2</sub> Ni(Cu)/ Mg <sub>2</sub> Ni(Cu)H <sub>4</sub> on hydrogen storage performance of MgH <sub>2</sub> . Journal of Magnesium and Alloys, 2024, 12, 197-208.	11.9	4
2	Facet-dependent catalytic activity of two-dimensional Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> MXene on hydrogen storage performance of MgH <sub>2</sub> . Journal of Magnesium and Alloys, 2023, 11, 3724-3735.	11.9	10
3	Air-stable magnesium nickel hydride with autocatalytic and self-protective effect for reversible hydrogen storage. Nano Research, 2022, 15, 2130-2137.	10.4	18
4	VS <sub>4</sub> anchored on Ti <sub>3</sub> C <sub>2</sub> MXene as a high-performance cathode material for magnesium ion battery. Journal of Power Sources, 2022, 518, 230731.	7.8	32
5	Enhanced hydrogen sorption kinetics of MgH <sub>2</sub> catalyzed by a novel layered Ni/Al <sub>2</sub> O <sub>3</sub> hybrid. Journal of Alloys and Compounds, 2022, 895, 162682.	5.5	9
6	One-step self-assembly of TiO <sub>2</sub> /MXene heterostructures for improving the hydrogen storage performance of magnesium hydride. Journal of Alloys and Compounds, 2022, 895, 162635.	5.5	12
7	Synergistic effect of TiH <sub>2</sub> and air exposure on enhancing hydrogen storage performance of Mg <sub>2</sub> NiH <sub>4</sub> . Chemical Engineering Journal, 2022, 433, 134489.	12.7	18
8	Catalysis derived from flower-like Ni MOF towards the hydrogen storage performance of magnesium hydride. International Journal of Hydrogen Energy, 2022, 47, 9346-9356.	7.1	41
9	Ultra-fine TiO <sub>2</sub> nanoparticles supported on three-dimensionally ordered macroporous structure for improving the hydrogen storage performance of MgH <sub>2</sub> . Applied Surface Science, 2022, 585, 152561.	6.1	39
10	in-situ formed Pt nano-clusters serving as destabilization-catalysis bi-functional additive for MgH <sub>2</sub> . Chemical Engineering Journal, 2022, 435, 135050.	12.7	31
11	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
12	Growth restriction of Co <sub>3</sub> O <sub>4</sub> nanoparticles by MnO <sub>2</sub> nanorods as air cathode catalyst for rechargeable aluminum-air battery. International Journal of Energy Research, 2022, 46, 11174-11184.	4.5	5
13	Significantly improved hydrogen storage properties of Mg <sub>90</sub> Al <sub>10</sub> catalyzed by TiF <sub>3</sub> . Journal of Alloys and Compounds, 2022, 908, 164581.	5.5	5
14	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
15	Supra Hydrolytic Catalysis of Ni <sub>3</sub> Fe/rGO for Hydrogen Generation. Advanced Science, 2022, 9, e2201428.	11.2	3
16	Catalytic effect of micro/nano-Ni on dehydrogenation performance of Mg <sub>90</sub> Al <sub>10</sub> during air exposure. Applied Surface Science, 2022, 595, 153569.	6.1	6
17	Enhanced hydrogen storage performance of magnesium hydride with incompletely etched Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> : The nonnegligible role of Al. Applied Surface Science, 2022, 600, 154140.	6.1	10
18	NiSe <sub>2</sub> /Ti <sub>3</sub> C <sub>2</sub> as a promising cathode material for rechargeable dual Mg/Li-ion battery. Materials Letters, 2021, 283, 128721.	2.6	11

#	ARTICLE	IF	CITATIONS
19	Controllable hydrogen generation behavior by hydrolysis of MgH <sub>2</sub> -based materials. <i>Journal of Power Sources</i> , 2021, 494, 229726.	7.8	29
20	Enhancing hydrogen storage properties of MgH <sub>2</sub> by core-shell CoNi@C. <i>Journal of Alloys and Compounds</i> , 2021, 862, 158004.	5.5	33
21	Vacancy-Mediated Hydrogen Spillover Improving Hydrogen Storage Properties and Air Stability of Metal Hydrides. <i>Small</i> , 2021, 17, e2100852.	10.0	20
22	Interface effect in sandwich like Ni/Ti <sub>3</sub> C <sub>2</sub> catalysts on hydrogen storage performance of MgH <sub>2</sub> . <i>Applied Surface Science</i> , 2021, 564, 150302.	6.1	54
23	Remarkable synergistic effects of Mg <sub>2</sub> NiH <sub>4</sub> and transition metal carbides (TiC, ZrC, WC) on enhancing the hydrogen storage properties of MgH <sub>2</sub> . <i>International Journal of Hydrogen Energy</i> , 2020, 45, 6765-6779.	7.1	38
24	Crystal-facet-dependent catalysis of anatase TiO <sub>2</sub> on hydrogen storage of MgH <sub>2</sub> . <i>Journal of Alloys and Compounds</i> , 2020, 822, 153553.	5.5	57
25	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
26	Catalytic effect of sandwich-like Ti <sub>3</sub> C <sub>2</sub> /TiO <sub>2</sub> (A)-C on hydrogen storage performance of MgH <sub>2</sub> . <i>Nanotechnology</i> , 2020, 31, 115404.	2.6	25
27	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
28	Effect of Few-Layer Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> Supported Nano-Ni via Self-Assembly Reduction on Hydrogen Storage Performance of MgH <sub>2</sub> . <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 47684-47694.	8.0	53
29	Synergistic Catalytic Mechanism between Ni and Carbon Aerogel for Dehydrogenation of Mg-Based Hydrides. <i>Energy &amp; Fuels</i> , 2020, 34, 10232-10240.	5.1	9
30	Enhanced hydrogen generation via hydrolysis of Mg-Mg <sub>2</sub> NiH <sub>4</sub> system. <i>Journal of Power Sources</i> , 2020, 476, 228499.	7.8	27
31	Synergistic effect of rGO supported Ni <sub>3</sub> Fe on hydrogen storage performance of MgH <sub>2</sub> . <i>International Journal of Hydrogen Energy</i> , 2020, 45, 16622-16633.	7.1	56
32	Ultrahigh rate capability and long cycling stability of dual-ion batteries enabled by TiO <sub>2</sub> microspheres with abundant oxygen vacancies. <i>Chemical Communications</i> , 2020, 56, 8039-8042.	4.1	13
33	Cobalt ion intercalated MnO <sub>2</sub> /C as air cathode catalyst for rechargeable aluminum-air battery. <i>Journal of Alloys and Compounds</i> , 2020, 824, 153950.	5.5	19
34	Improved Hydrogen Absorption/Desorption Properties of MgH <sub>2</sub> by Co-Catalyzing of YH <sub>2</sub> and Co@C. <i>ChemistrySelect</i> , 2019, 4, 7709-7714.	1.5	13
35	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
36	Purity of MgH <sub>2</sub> Improved by the Process of Pre-milling Assisted Hydriding of Mg Powder under a Hydrogen Pressure of 0.5 MPa. <i>Russian Journal of Physical Chemistry A</i> , 2019, 93, 665-673.	0.6	3

#	ARTICLE	IF	CITATIONS
37	Enhanced dehydrogenation properties of LiAlH <sub>4</sub> @Mg <sub>2</sub> NiH <sub>4</sub> nanocomposites via doping Ti-based catalysts. <i>Materials Research Express</i> , 2019, 6, 075067.	1.6	7
38	Hydrogenation properties of five-component Mg <sub>60</sub> Ce <sub>10</sub> Ni <sub>20</sub> Cu <sub>5</sub> X <sub>5</sub> (X= Co, Zn) metallic glasses. <i>Intermetallics</i> , 2019, 108, 94-99.	3.9	21
39	Effects of two-dimension MXene Ti <sub>3</sub> C <sub>2</sub> on hydrogen storage performances of MgH <sub>2</sub> -LiAlH <sub>4</sub> composite. <i>Chemical Physics</i> , 2019, 522, 178-187.	1.9	45
40	Effect of rGO supported NiCu derived from layered double hydroxide on hydrogen sorption kinetics of MgH <sub>2</sub> . <i>Journal of Alloys and Compounds</i> , 2019, 789, 768-776.	5.5	47
41	Boosting low-temperature de/re-hydrogenation performances of MgH <sub>2</sub> with Pd-Ni bimetallic nanoparticles supported by mesoporous carbon. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 10777-10787.	7.1	34
42	An exciting synergistic effect: realizing large-sized MgH <sub>2</sub> dehydrogenation at lowered temperatures by locally assembling a heterophase composite. <i>Materials Today Energy</i> , 2019, 14, 100345.	4.7	2
43	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
44	Catalytic effect of in situ formed nano-Mg <sub>2</sub> Ni and Mg <sub>2</sub> 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
45	Magnesium Nanoparticles With Pd Decoration for Hydrogen Storage. <i>Frontiers in Chemistry</i> , 2019, 7, 949.	3.6	17
46	Facile Synthesis of Carbon Supported Nano-Ni Particles with Superior Catalytic Effect on Hydrogen Storage Kinetics of MgH <sub>2</sub> . <i>ACS Applied Energy Materials</i> , 2018, 1, 1158-1165.	5.1	75
47	Effect of partial substitution of Ti for Al on the phase structure and electrochemical hydrogen storage properties of Mg <sub>3</sub> AlNi <sub>2</sub> alloy. <i>Journal of Alloys and Compounds</i> , 2018, 746, 421-427.	5.5	14
48	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
49	Enhancing hydrogen storage performances of MgH <sub>2</sub> by Ni nano-particles over mesoporous carbon CMK-3. <i>Nanotechnology</i> , 2018, 29, 265705.	2.6	52
50	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
51	Electrochemical properties of Mg <sub>3</sub> MnNi <sub>2</sub> -x% polymethyl methacrylate-multiwalled carbon nanotubes (PMMA-MWCNTs) (x=25, 50, 75, 100). <i>Journal of Materials Science</i> , 2018, 53, 6033-6041.	3.7	4
52	Kinetic performance of hydrogen generation enhanced by AlCl <sub>3</sub> via hydrolysis of MgH <sub>2</sub> prepared by hydriding combustion synthesis. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 10232-10239.	7.1	57
53	Remarkable Synergistic Catalysis of Ni-Doped Ultrafine TiO <sub>2</sub> on Hydrogen Sorption Kinetics of MgH <sub>2</sub> . <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 24975-24980.	8.0	71
54	Hydrogen storage performances and reaction mechanism of non-stoichiometric compound Li <sub>1.3</sub> Na <sub>1.7</sub> AlH <sub>6</sub> doped with Ti <sub>3</sub> C <sub>2</sub> . <i>Chemical Physics</i> , 2018, 513, 135-140.	1.9	7

#	ARTICLE	IF	CITATIONS
55	Superior hydrogenation properties in a Mg <sub>65</sub> Ce <sub>10</sub> Ni <sub>20</sub> Cu <sub>5</sub> nanoglass processed by melt-spinning followed by high-pressure torsion. <i>Scripta Materialia</i> , 2018, 152, 137-140.	5.2	32
56	Synergistic hydrogen desorption properties of the 4LiAlH <sub>4</sub> +Mg <sub>2</sub> NiH <sub>4</sub> composite. <i>Journal of Alloys and Compounds</i> , 2017, 697, 80-85.	5.5	11
57	Effects of VF 4 on the hydriding cycling at 373 K and dehydriding of Mg <sub>99</sub> Ni prepared by hydriding combustion synthesis and mechanical milling (HCS+MM). <i>Journal of Alloys and Compounds</i> , 2017, 698, 913-920.	5.5	6
58	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
59	Controllable fabrication of Ni-based catalysts and their enhancement on desorption properties of MgH <sub>2</sub> . <i>Journal of Alloys and Compounds</i> , 2017, 715, 329-336.	5.5	43
60	Enhanced hydriding kinetics of Mg-10 at% Al composite by forming Al <sub>12</sub> Mg <sub>17</sub> during hydriding combustion synthesis. <i>Journal of Alloys and Compounds</i> , 2017, 712, 44-49.	5.5	24
61	The hydrogen storage performance of a 4MgH <sub>2</sub> LiAlH <sub>4</sub> TiH <sub>2</sub> composite system. <i>Journal of Alloys and Compounds</i> , 2016, 676, 557-564.	5.5	15
62	The electrochemical hydrogen storage performances of Mg <sub>x</sub> Co <sub>100-x</sub> (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
63	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
64	The electrochemical hydrogen storage properties of Mg <sub>67</sub> Pd <sub>33</sub> (x=1, 3, 5, 7) electrodes with BCC phase. <i>Journal of Alloys and Compounds</i> , 2016, 662, 396-403.	5.5	6
65	Effect of multi-wall carbon nanotubes supported nano-nickel and TiF <sub>3</sub> addition on hydrogen storage properties of magnesium hydride. <i>Journal of Alloys and Compounds</i> , 2016, 669, 8-18.	5.5	52
66	Nickel-decorated graphene nanoplates for enhanced H <sub>2</sub> sorption properties of magnesium hydride at moderate temperatures. <i>Journal of Materials Chemistry A</i> , 2016, 4, 2560-2570.	10.3	98
67	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
68	The effects of Pd and/or Zr additives on the structures and cyclic stabilities of Mg <sub>50</sub> Ni <sub>50</sub> -based electrode alloys. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 2768-2774.	7.1	10
69	Phase transformation, kinetics and thermodynamics during the combustion synthesis of Mg <sub>2</sub> Al <sub>3</sub> alloy. <i>Journal of Alloys and Compounds</i> , 2015, 628, 257-262.	5.5	15
70	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
71	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
72	Improved hydrogen storage properties of Ti-doped Mg <sub>95</sub> Ni <sub>5</sub> powder produced by hydriding combustion synthesis. <i>Journal of Materials Research</i> , 2015, 30, 967-972.	2.6	10

#	ARTICLE	IF	CITATIONS
73	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
74	Kinetics and electrochemical characteristics of Mg <sub>2</sub> NiH <sub>4-x</sub> wt.% MmNi <sub>3.8</sub> Co <sub>0.75</sub> Mn <sub>0.4</sub> Al <sub>0.2</sub> (x=5, 10, 20). <i>Tj ETQo 0 0 0 rgBT /Overlo</i>	7.1	42
75	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
76	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
77	Catalytic Effect of Multi-Wall Carbon Nanotubes Supported Nickel on Hydrogen Storage Properties of Mg <sub>99</sub> Ni Prepared by Hydriding Combustion Synthesis. <i>Materials Transactions</i> , 2014, 55, 1149-1155.	1.2	5
78	Synergistic hydrogen desorption of HCS MgH <sub>2</sub> +LiAlH <sub>4</sub> composite. <i>Energy</i> , 2013, 55, 933-938.	8.8	25
79	Combustion synthesis of Mg-based hydrogen storage alloy Mg <sub>17</sub> Al <sub>12</sub> . <i>Advanced Powder Technology</i> , 2013, 24, 643-646.	4.1	10
80	Efficient catalysis by MgCl <sub>2</sub> in hydrogen generation via hydrolysis of Mg-based hydride prepared by hydriding combustion synthesis. <i>Chemical Communications</i> , 2012, 48, 5509.	4.1	54
81	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
82	Superior hydrogen storage properties of Mg <sub>95</sub> Ni <sub>5</sub> +10wt.% nanosized Zr <sub>0.7</sub> Ti <sub>0.3</sub> Mn <sub>2</sub> +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
83	Electrochemical hydrogen storage properties of Mg <sub>2-x</sub> Al <sub>x</sub> 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
84	Structural and electrochemical hydrogen storage properties of Mg <sub>2</sub> Ni-based alloys. <i>Journal of Alloys and Compounds</i> , 2011, 509, 5309-5314.	5.5	40
85	Effects of metal additive on electrochemical performances of Mg-based hydrogen storage materials prepared by hydriding combustion synthesis and subsequent mechanical milling (HCS+MM). <i>International Journal of Hydrogen Energy</i> , 2010, 35, 8241-8246.	7.1	5
86	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
87	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
88	Hydrogen storage properties of the Zintl phase alloy SrAl <sub>2</sub> doped with TiF <sub>3</sub> . <i>Journal of Alloys and Compounds</i> , 2010, 492, 277-281.	5.5	5
89	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
90	Catalytic mechanism of Nb <sub>2</sub> O <sub>5</sub> and NbF <sub>5</sub> on the dehydriding property of Mg <sub>95</sub> Ni <sub>5</sub> prepared by hydriding combustion synthesis and mechanical milling. <i>International Journal of Hydrogen Energy</i> , 2009, 34, 7707-7713.	7.1	20

#	ARTICLE	IF	CITATIONS
91	Structural and hydriding/dehydriding properties of Mg-LaNi-based composites. Journal of Alloys and Compounds, 2009, 477, 440-444.	5.5	14
92	Effect of Si substitution for Al on the structural and hydrogenation properties of the Zintl phase alloy SrAl <sub>2</sub> . Journal of Alloys and Compounds, 2009, 485, 439-443.	5.5	6
93	Electrochemical properties of Mg-based hydrogen storage alloys prepared by hydriding combustion synthesis and subsequent mechanical milling (HCS+MM). International Journal of Hydrogen Energy, 2008, 33, 2965-2969.	7.1	17
94	Effect of La/Ni ratio on hydrogen storage properties of Mg-LaNi system prepared by hydriding combustion synthesis followed by mechanical milling. International Journal of Hydrogen Energy, 2008, 33, 2970-2974.	7.1	48
95	Structural and hydrogenation properties of SrAl <sub>2-x</sub> Ni <sub>x</sub> alloys. International Journal of Hydrogen Energy, 2008, 33, 7498-7504.	7.1	4
96	Structures and hydrogen storage properties of Mg <sub>95</sub> Ni <sub>5</sub> composite prepared by hydriding combustion synthesis and mechanical milling. Materials Chemistry and Physics, 2008, 112, 218-222.	4.0	18
97	Structure and hydrogenation properties of nanocrystalline Mg <sub>2</sub> Ni prepared by hydriding combustion synthesis and mechanical milling. Journal of Alloys and Compounds, 2008, 455, 197-202.	5.5	30
98	Hydriding combustion synthesis of Mg-CaNi <sub>5</sub> composites. Journal of Alloys and Compounds, 2008, 458, 394-397.	5.5	11
99	Effect of rapid solidification on the structural and electrochemical properties of the Ti-V-based hydrogen storage electrode alloy. Journal of Alloys and Compounds, 2008, 463, 528-532.	5.5	13
100	Hydrogen storage properties of Mg <sub>100-x</sub> Ni <sub>x</sub> (x=5, 11.3, 20, 25) composites prepared by hydriding combustion synthesis followed by mechanical milling (HCS+MM). Intermetallics, 2007, 15, 1582-1588.	3.9	32
101	Mechanism of the high activity of Mg <sub>2</sub> NiH <sub>4</sub> produced by hydriding combustion synthesis based on the analysis of phase composition, particle characteristic and grain size. International Journal of Hydrogen Energy, 2007, 32, 2455-2460.	7.1	32
102	Effect of surface oxidation on the hydriding and dehydriding of Mg <sub>2</sub> Ni alloy produced by hydriding combustion synthesis. Journal of Materials Science, 2007, 42, 9725-9729.	3.7	2
103	Characterization of hydrogen storage properties of Mg-30wt.% Ti <sub>1.0</sub> V <sub>1.1</sub> Mn <sub>0.9</sub> composite. Journal of Alloys and Compounds, 2006, 424, 382-387.	5.5	21
104	The effect of Mn substitution for Ni on the structural and electrochemical properties of La <sub>0.7</sub> Mg <sub>0.3</sub> Ni <sub>2.5-x</sub> Co <sub>0.45</sub> Mn <sub>x</sub> hydrogen storage electrode alloys. International Journal of Hydrogen Energy, 2004, 29, 297-305.	7.1	101
105	XRD study of the hydrogenation and dehydrogenation process of the two different phase components in a Ti-V-based multiphase hydrogen storage electrode alloy. Journal of Alloys and Compounds, 2004, 370, 254-260.	5.5	50
106	Structural and electrochemical properties of hydrogen storage alloys Ti <sub>0.8</sub> Zr <sub>0.2</sub> V <sub>2.7</sub> Mn <sub>0.5</sub> Cr <sub>0.8</sub> Ni <sub>x</sub> (x) Tj ETQq 0 0 0 rgBT /Overlock 10 T	5.5	18
107	A study on improving the cycling stability of (Ti <sub>0.8</sub> Zr <sub>0.2</sub> )(V <sub>0.533</sub> Mn <sub>0.107</sub> Cr <sub>0.16</sub> Ni <sub>0.2</sub> ) <sub>4</sub> hydrogen storage electrode alloy by means of annealing treatment. Journal of Alloys and Compounds, 2003, 348, 301-308.	5.5	30
108	An investigation on the structural and electrochemical properties of La <sub>0.7</sub> Mg <sub>0.3</sub> (Ni <sub>0.85</sub> Co <sub>0.15</sub> ) <sub>x</sub> (x=3.15-3.80) hydrogen storage electrode alloys. Journal of Alloys and Compounds, 2003, 351, 228-234.	5.5	146

#	ARTICLE	IF	CITATIONS
109	Investigation of the Structural and Electrochemical Properties of Superstoichiometric Ti-Zr-V-Mn-Cr-Ni Hydrogen Storage Alloys. Journal of the Electrochemical Society, 2002, 149, A829.	2.9	60
110	A study on improving the cycling stability of (Ti <sub>0.8</sub> Zr <sub>0.2</sub> )(V <sub>0.533</sub> Mn <sub>0.107</sub> Cr <sub>0.16</sub> Ni <sub>0.2</sub> ) <sub>4</sub> hydrogen storage electrode alloy by means of annealing treatment:. Journal of Alloys and Compounds, 2002, 347, 279-284.	5.5	20