

Yang-Huan Zhang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4691417/publications.pdf>

Version: 2024-02-01

223
papers

3,377
citations

201575

27
h-index

289141

40
g-index

224
all docs

224
docs citations

224
times ranked

976
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of Pr content on activation capability and hydrogen storage performances of TiFe alloy. <i>Journal of Alloys and Compounds</i> , 2022, 890, 161785.	2.8	17
2	Characteristics of electrochemical hydrogen storage using Ti-Fe based alloys prepared by ball milling. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 1036-1047.	3.8	10
3	Improved hydrogen storage performances of nanocrystalline RE5Mg41-type alloy synthesized by ball milling. <i>Journal of Energy Storage</i> , 2022, 46, 103702.	3.9	14
4	Research progress of TiFe-based hydrogen storage alloys. <i>Journal of Iron and Steel Research International</i> , 2022, 29, 537-551.	1.4	21
5	Investigation on the gaseous hydrogen storage properties of as-cast Mg95-Al5Y (x = 0-5) alloys. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 12653-12664.	3.8	9
6	Effect of Y partially substituting La on the phase structure and hydrogen storage property of La-Mg-Ni alloys. <i>Journal of Physics and Chemistry of Solids</i> , 2022, 167, 110744.	1.9	12
7	Microstructure characteristics, hydrogen storage thermodynamic and kinetic properties of Mg-Ni-Y based hydrogen storage alloys. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 27059-27070.	3.8	13
8	Electrochemical Hydrogen Storage Performance of the Nanocrystalline and Amorphous Pr-Mg-Ni-based Alloys Synthesized by Mechanical Milling. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2021, 36, 116-126.	0.4	1
9	A catalytic mechanism investigation of TiF ₃ on hydriding/dehydriding properties of Mg ₈₅ Cu ₅ Ni ₁₀ alloy. <i>RSC Advances</i> , 2021, 11, 8940-8950.	1.7	2
10	Hydrogen storage behavior of Mg-based alloy catalyzed by carbon-cobalt composites. <i>Journal of Magnesium and Alloys</i> , 2021, 9, 1977-1988.	5.5	26
11	A comparative study of NbF ₅ catalytic effects on hydrogenation/dehydrogenation kinetics of Mg-Zn-Ni and Mg-Cu-Ni systems. <i>Materials Characterization</i> , 2021, 174, 110993.	1.9	11
12	Characterization of microstructure, hydrogen storage kinetics and thermodynamics of ball-milled Mg90Y1.5Ce1.5Ni7 alloy. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 17802-17813.	3.8	24
13	Magnetite Nanoparticles Decorated Graphene Oxide Composite as an Efficient and Recoverable Adsorbent for Removing Aqueous Ni(II), Pb(II). <i>ECS Journal of Solid State Science and Technology</i> , 2021, 10, 051008.	0.9	0
14	Catalytic effect comparison of TiO ₂ and La ₂ O ₃ on hydrogen storage thermodynamics and kinetics of the as-milled La-Sm-Mg-Ni-based alloy. <i>Journal of Magnesium and Alloys</i> , 2021, 9, 2063-2077.	5.5	18
15	Investigations on hydrogen storage performances and mechanisms of as-cast TiFe _{0.8} Ni _{0.2} Co (m=0, 0.03, 0.07) alloys. <i>Journal of Hydrogen Energy</i> , 2021, 46, 12451-12460.	3.8	14
16	Catalytic effects of TiO ₂ on hydrogen storage thermodynamics and kinetics of the as-milled Mg-based alloy. <i>Materials Characterization</i> , 2021, 176, 111118.	1.9	10
17	Electrochemical properties of as-cast La ₂ -Y Mg ₁₆ Ni (x = 0, 0.1, 0.2, 0.3, 0.4) alloys. <i>Journal of Physics and Chemistry of Solids</i> , 2021, 154, 110062.	1.9	3
18	Effect of Sm content on activation capability and hydrogen storage performances of TiFe alloy. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 24517-24530.	3.8	19

#	ARTICLE	IF	CITATIONS
19	Dual-tuning of de/hydrogenation kinetic properties of Mg-based hydrogen storage alloy by building a Ni-/Co-multi-platform collaborative system. International Journal of Hydrogen Energy, 2021, 46, 24202-24213.	3.8	21
20	Improvement of substituting La with Ce on hydrogen storage thermodynamics and kinetics of Mg-based alloys. International Journal of Hydrogen Energy, 2021, 46, 28719-28733.	3.8	22
21	Progress of graphene and loaded transition metals on Mg-based hydrogen storage alloys. International Journal of Hydrogen Energy, 2021, 46, 33468-33485.	3.8	40
22	Influences of La addition on the hydrogen storage performances of TiFe-base alloy. Journal of Physics and Chemistry of Solids, 2021, 157, 110176.	1.9	9
23	A comparison study of hydrogen storage performances of as-cast La ₁₀ -RE Mg ₈₀ Ni ₁₀ (x=0 or 3; RE = Sm) Tj ETQ _g 1 1 0.784314 rgB	2.8	12
24	Effects of adding Nd on the microstructure and dehydrogenation performance of Mg ₉₀ Al ₁₀ alloy. Materials Characterization, 2021, 171, 110795.	1.9	9
25	Characterization on the kinetics and thermodynamics of Mg-based hydrogen storage alloy by the multiple alloying of Ce, Ni and Y elements. Materials Characterization, 2021, 182, 111583.	1.9	16
26	Effects of La substitution on microstructure and hydrogen storage properties of Ti-Fe-Mn-based alloy prepared through melt spinning. Transactions of Nonferrous Metals Society of China, 2021, 31, 3087-3095.	1.7	7
27	Electrochemical hydrogen storage behaviors of as-cast and spun RE-Mg-Ni-Co-Al-based AB ₂ -type alloys applied to Ni-MH battery. Rare Metals, 2020, 39, 181-192.	3.6	14
28	Structure and electrochemical hydrogen storage behaviors of Mg-Ce-Ni-Al-based alloys prepared by mechanical milling. Journal of Rare Earths, 2020, 38, 1093-1102.	2.5	8
29	Phase evolution, hydrogen storage thermodynamics and kinetics of ternary Mg ₉₀ Ce ₅ Sm ₅ alloy. Journal of Rare Earths, 2020, 38, 633-641.	2.5	22
30	Enhanced hydrogen storage performance of Mg-Cu-Ni system catalyzed by CeO ₂ additive. Journal of Rare Earths, 2020, 38, 983-993.	2.5	12
31	Structure and Electrochemical Hydrogen Storage Properties of as-Milled Mg-Ce-Ni-Al-Based Alloys. Acta Metallurgica Sinica (English Letters), 2020, 33, 630-642.	1.5	7
32	Hydrogen storage thermodynamics and dynamics of Mg-Y-Ni-Cu based alloys synthesized by melt spinning. Journal of Physics and Chemistry of Solids, 2020, 138, 109252.	1.9	16
33	Influence of melt spinning and annealing treatment on structures and hydrogen storage thermodynamic properties of La _{0.8} Pr _{0.2} Mg _{93.6} Co _{0.4} alloy. Journal of Iron and Steel Research International, 2020, 27, 114-120.	1.4	3
34	Effect of graphite (GR) content on electrochemical hydrogen storage performances of nanocrystalline and amorphous La ₉ Ce ₁ Mg ₈₀ Ni ₅ -Ni-GR composites synthesized by mechanical milling. International Journal of Hydrogen Energy, 2020, 45, 29023-29033.	3.8	13
35	Interactions of Y and Cu on Mg ₂ Ni type hydrogen storage alloys: A study based on experiments and density functional theory calculation. International Journal of Hydrogen Energy, 2020, 45, 28974-28984.	3.8	17
36	Effect of milling duration on hydrogen storage thermodynamics and kinetics of Mg-based alloy. International Journal of Hydrogen Energy, 2020, 45, 33832-33845.	3.8	17

#	ARTICLE	IF	CITATIONS
37	Amorphous cobalt sulfide/N-doped carbon core/shell nanoparticles as an anode material for potassium-ion storage. <i>Journal of Materials Science</i> , 2020, 55, 15213-15221.	1.7	12
38	Removal performance and mechanism of Fe ₃ O ₄ /graphene oxide as an efficient and recyclable adsorbent toward aqueous Hg(II). <i>Research on Chemical Intermediates</i> , 2020, 46, 4509-4527.	1.3	6
39	Influence of Fe@C composite catalyst on the hydrogen storage properties of Mg-Ce-Y based alloy. <i>Renewable Energy</i> , 2020, 162, 2153-2165.	4.3	36
40	Highly improved hydrogen storage dynamics of nanocrystalline and amorphous NdMg ₁₂ -type alloys by mechanical milling. <i>Journal of Iron and Steel Research International</i> , 2020, 27, 1236-1246.	1.4	1
41	Improved hydrogen storage kinetics of Mg-based alloys by substituting La with Sm. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 21588-21599.	3.8	24
42	Catalytic effect of in situ formed Mg ₂ Ni and REH (RE: Ce and Y) on thermodynamics and kinetics of Mg-RE-Ni hydrogen storage alloy. <i>Renewable Energy</i> , 2020, 157, 828-839.	4.3	58
43	Research on microstructure and catalysis effects on hydrogen storage alloy of nanosized three ions co-doped Ce _{1-x} Cu _x Fe _x Zn _{1-x} O ₂ . <i>International Journal of Energy Research</i> , 2020, 44, 5468-5476.	2.2	2
44	Phase transformation by a step-growth mechanism in annealed La-Mg-Ni-based layered-stacking alloys. <i>Journal of Alloys and Compounds</i> , 2020, 834, 154282.	2.8	6
45	Phase evolution, thermodynamics and kinetics property of transition metal (TM = Zr, Ti, V) catalyzed Mg-Ce-Y-Ni hydrogen storage alloys. <i>Journal of Physics and Chemistry of Solids</i> , 2020, 144, 109516.	1.9	27
46	Hydrogen storage property of as-milled La ₇ RE ₃ Mg ₈₀ Ni ₁₀ (RE = Sm, Ce) alloys. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 28163-28174.	3.8	6
47	Phase transformation, thermodynamics and kinetics property of Mg ₉₀ Ce ₅ RE ₅ (RE = La, Ce, Nd) hydrogen storage alloys. <i>Journal of Materials Science and Technology</i> , 2020, 51, 84-93.	5.6	63
48	Structure and electrochemical hydrogen storage characteristics of nanocrystalline and amorphous MgNi-type alloy synthesized by mechanical milling. <i>Journal of Iron and Steel Research International</i> , 2020, 27, 952-963.	1.4	4
49	Electrochemical hydrogen storage behaviors of as-milled Mg-Ti-Ni-Co-Al-based alloys applied to Ni-MH battery. <i>Electrochimica Acta</i> , 2020, 342, 136123.	2.6	14
50	Adsorption of Aqueous Organic Dyes onto γ -Fe ₂ O ₃ /Graphene Oxide: Insights into the Interaction Mechanism. <i>ECS Journal of Solid State Science and Technology</i> , 2020, 9, 121004.	0.9	4
51	Hydrogen storage thermodynamic and dynamic properties of as-milled Ce-Mg-Ni-based CeMg ₁₂ -type alloys. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 19275-19284.	3.8	1
52	Improved hydrogen storage dynamics of amorphous and nanocrystalline Ce-Mg-Ni-based CeMg ₁₂ -type alloys synthesized by ball milling. <i>Renewable Energy</i> , 2019, 132, 167-175.	4.3	22
53	Investigation of the microstructure and the thermodynamic and kinetic properties of ball-milled CeMg ₁₂ -type composite materials as hydrogen storage materials. <i>Materials Characterization</i> , 2019, 156, 109824.	1.9	5
54	Investigation of microstructure and electrochemical hydrogen storage thermodynamic and kinetic properties of ball-milled CeMg ₁₂ -type composite materials. <i>Materials and Design</i> , 2019, 182, 108034.	3.3	5

#	ARTICLE	IF	CITATIONS
55	Single phase A2B7-type La-Mg-Ni alloy with improved electrochemical properties prepared by melt-spinning and annealing. <i>Journal of Rare Earths</i> , 2019, 37, 1305-1311.	2.5	18
56	Microstructure and improved hydrogen storage properties of Mg ₈₅ Zn ₅ Ni ₁₀ alloy catalyzed by Cr ₂ O ₃ nanoparticles. <i>Journal of Physics and Chemistry of Solids</i> , 2019, 134, 295-306.	1.9	12
57	Novel A7B23-type La-Mg-Ni-Co compound for application on Ni-MH battery. <i>Journal of Power Sources</i> , 2019, 441, 126667.	4.0	17
58	Microstructure, hydrogen storage thermodynamics and kinetics of La ₅ Mg _{95-x} Ni _x (x=5, 10, 15) alloys. <i>Transactions of Nonferrous Metals Society of China</i> , 2019, 29, 1057-1066.	1.7	9
59	Effect of catalysts on microstructure, hydrogen storage thermodynamics, and kinetics performance of La ₅ Mg ₈₅ Ni ₁₀ alloy. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 24839-24848.	3.8	4
60	Electrochemical hydrogen storage behaviors of as-milled Mg-Ce-Ni-Al-based alloys applied to Ni-MH battery. <i>Applied Surface Science</i> , 2019, 494, 170-178.	3.1	8
61	Investigations on gaseous hydrogen storage performances and reactivation ability of as-cast TiFe _{1-x} Ni _x (x=0, 0.1, 0.2 and 0.4) alloys. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 4240-4252.	3.8	34
62	Improved hydrogen storage kinetics and thermodynamics of RE-Mg-based alloy by co-doping Ce-Y. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 16765-16776.	3.8	56
63	Nanocrystalline Mg ₈₀ Y ₄ Ni ₈ Cu ₈ alloy with sub-10 nm microstructure and excellent hydrogen storage cycling stability prepared by nanocrystallization. <i>Intermetallics</i> , 2019, 111, 106475.	1.8	6
64	Effects of milling duration on electrochemical hydrogen storage behavior of as-milled Mg-Ce-Ni-Al-based alloys for use in Ni-metal hydride batteries. <i>Journal of Physics and Chemistry of Solids</i> , 2019, 133, 178-186.	1.9	13
65	Study on the gaseous and electrochemical hydrogen storage properties of as-milled Ce Mg Ni-based alloys. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 29224-29234.	3.8	0
66	Improved hydrogen storage performances of Mg-Y-Ni-Cu alloys by melt spinning. <i>Renewable Energy</i> , 2019, 138, 263-271.	4.3	33
67	Microstructural heredity of the La Mg Ni based electrode alloys during annealing. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 29344-29355.	3.8	5
68	Hydrogen Storage Performances of Nanocrystalline and Amorphous NdMg ₁₁ Ni _x +x wt% Ni (x=100, 200) Alloys Synthesized by Mechanical Milling. <i>Acta Metallurgica Sinica (English Letters)</i> , 2019, 32, 1089-1098.	1.5	4
69	Effects of Ni Content and Ball Milling Time on the Hydrogen Storage Thermodynamics and Kinetics Performances of La-Mg-Ni Ternary Alloys. <i>Acta Metallurgica Sinica (English Letters)</i> , 2019, 32, 961-971.	1.5	3
70	Influence of adding nano-graphite powders on the microstructure and gas hydrogen storage properties of ball-milled Mg ₉₀ Al ₁₀ alloys. <i>Carbon</i> , 2019, 149, 93-104.	5.4	19
71	Structure and hydrogen storage characteristics of as-spun Mg-Y-Ni-Cu alloys. <i>Journal of Materials Science and Technology</i> , 2019, 35, 1727-1734.	5.6	12
72	Microstructure characteristics, hydrogen storage kinetic and thermodynamic properties of Mg ₈₀ Ni _{20Y} (x = 0-7) alloys. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 7371-7380.	3.8	22

#	ARTICLE	IF	CITATIONS
73	Characterization of microstructure, hydrogen storage kinetics and thermodynamics of a melt-spun Mg ₈₆ Y ₁₀ Ni ₄ alloy. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 6728-6737.	3.8	28
74	Highly ameliorated gaseous and electrochemical hydrogen storage kinetics of nanocrystalline and amorphous CeMg ₁₂ -type alloys by mechanical milling. <i>Solid State Sciences</i> , 2019, 90, 41-48.	1.5	1
75	Structure and hydrogen storage performances of La-Mg-Ni-Cu alloys prepared by melt spinning. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 5399-5407.	3.8	12
76	Gas hydrogen absorption and electrochemical properties of Mg ₂₄ Ni ₁₀ Cu ₂ alloys improved by Y substitution, ball milling and Ni addition. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 5382-5388.	3.8	11
77	Effects of adding nano-CeO ₂ powder on microstructure and hydrogen storage performances of mechanical alloyed Mg ₉₀ Al ₁₀ alloy. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 1735-1749.	3.8	13
78	Structure and electrochemical performances of as-milled LaMg ₁₂ -type alloy-Ni composites. <i>Journal of Iron and Steel Research International</i> , 2019, 26, 59-68.	1.4	1
79	Gaseous hydrogen storage properties of Mg-Y-Ni-Cu alloys prepared by melt spinning. <i>Journal of Rare Earths</i> , 2019, 37, 750-759.	2.5	6
80	Hydrogen storage properties of amorphous and nanocrystalline (Mg ₂₄ Ni ₁₀ Cu ₂) ₁₀₀ -Nd (x=20) alloys. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 5365-5373.	3.8	7
81	Effects of adding over-stoichiometrical Ti and substituting Fe with Mn partly on structure and hydrogen storage performances of TiFe alloy. <i>Renewable Energy</i> , 2019, 135, 1481-1498.	4.3	48
82	Hydrogen storage properties of La _{1-x} Pr _x MgNi _{3.6} Co _{0.4} (x=0.4) alloys with annealing treatment. <i>Rare Metals</i> , 2019, 38, 871-876.	3.6	4
83	Structure and electrochemical performances of Mg _{20-x} Y _x Ni ₁₀ (x=4) alloys prepared by mechanical milling. <i>Rare Metals</i> , 2019, 38, 954-964.	3.6	5
84	Hydrogen storage thermodynamics and dynamics of La-Mg-Ni-based LaMg ₁₂ -type alloys synthesized by mechanical milling. <i>Rare Metals</i> , 2019, 38, 1144-1152.	3.6	9
85	Structures and hydrogen storage properties of RE-Mg-Ni-Mn-based AB ₂ -type alloys prepared by casting and melt spinning. <i>Rare Metals</i> , 2019, 38, 1086-1096.	3.6	6
86	Microstructure and hydrogen absorption/desorption properties of Mg ₂₄ Y ₃ M (M=Ni, Co, Cu, Al) alloys. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 8877-8887.	3.8	23
87	A comparison study of hydrogen storage properties of as-milled Sm ₅ Mg ₄₁ alloy catalyzed by CoS ₂ and MoS ₂ nano-particles. <i>Journal of Materials Science and Technology</i> , 2018, 34, 1851-1858.	5.6	27
88	Degradation Characters of La-Mg-Ni-Based Metal Hydride Alloys: Corrosion and Pulverization Behaviors. <i>Acta Metallurgica Sinica (English Letters)</i> , 2018, 31, 723-734.	1.5	12
89	Improved hydrogen absorption and desorption kinetics of magnesium-based alloy via addition of yttrium. <i>Journal of Power Sources</i> , 2018, 378, 636-645.	4.0	70
90	A comparison study of hydrogen storage performances of SmMg ₁₁ Ni alloys prepared by melt spinning and ball milling. <i>Journal of Rare Earths</i> , 2018, 36, 409-417.	2.5	17

#	ARTICLE	IF	CITATIONS
91	Investigation on gaseous and electrochemical hydrogen storage performances of as-cast and milled Ti _{1.1} Fe _{0.9} Ni _{0.1} and Ti _{1.09} Mg _{0.01} Fe _{0.9} Ni _{0.1} alloys. International Journal of Hydrogen Energy, 2018, 43, 1691-1701.	3.8	21
92	An Investigation on Hydrogen Storage Kinetics of the Nanocrystalline and Amorphous LaMg ₁₂ -type Alloys Synthesized by Mechanical Milling. Journal Wuhan University of Technology, Materials Science Edition, 2018, 33, 278-287.	0.4	2
93	Investigation on structure and hydrogen storage performance of as-milled and cast Mg ₉₀ Al ₁₀ alloys. International Journal of Hydrogen Energy, 2018, 43, 6642-6653.	3.8	27
94	Structure and electrochemical properties of LaMgNi ₄ xCo _x (x=0-0.8) hydrogen storage electrode alloys. Rare Metals, 2018, 37, 249-256.	3.6	4
95	Structures and electrochemical performances of as-spun RE-Mg-Ni-Co-Al alloys applied to Ni-MH battery. Journal of Materials Science and Technology, 2018, 34, 370-378.	5.6	10
96	Microstructure and enhanced gaseous hydrogen storage behavior of CoS ₂ -catalyzed Sm ₅ Mg ₄₁ alloy. Renewable Energy, 2018, 116, 878-891.	4.3	31
97	Hydrogen Storage Performances of REMg ₁₁ Ni (RE=Sm, Y) Alloys Prepared by Mechanical Milling. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2018, 49, 376-384.	1.1	0
98	Hydrogen storage performance of the as-milled Y Mg Ni alloy catalyzed by CeO ₂ . International Journal of Hydrogen Energy, 2018, 43, 1643-1650.	3.8	13
99	A comparison of TiF ₃ and NbF ₅ catalytic effects on hydrogen absorption and desorption kinetics of a ball-milled Mg ₈₅ Zn ₅ Ni ₁₀ alloy. RSC Advances, 2018, 8, 34525-34535.	1.7	16
100	Hydrogen storage performances of as-milled REMg ₁₁ Ni (RE=Y, Sm) alloys catalyzed by MoS ₂ . Transactions of Nonferrous Metals Society of China, 2018, 28, 1828-1837.	1.7	7
101	Electrochemical hydrogen storage performance of as-cast and as-spun RE-Mg-Ni-Co-Al-based alloys applied to Ni/MH battery. Transactions of Nonferrous Metals Society of China, 2018, 28, 711-721.	1.7	9
102	Improved hydrogen storage performance of as-milled Sm-Mg-Ni alloy by adding CeO ₂ . Journal of Iron and Steel Research International, 2018, 25, 1255-1264.	1.4	3
103	Microstructure and hydrogen storage properties of Mg-based Mg ₈₅ Zn ₅ Ni ₁₀ alloy powders. Journal of Iron and Steel Research International, 2018, 25, 1172-1178.	1.4	6
104	Hydrogen absorption and desorption behavior of Ni catalyzed Mg-Y-Ca-Ni nanocomposites. Energy, 2018, 165, 709-719.	4.5	22
105	Structure and hydrogenation performances of as-cast Ti _{1.1} -RE Fe _{0.8} Mn _{0.2} (RE=Pr, Sm and Nd; x=0, 0.01) alloys. International Journal of Hydrogen Energy, 2018, 43, 19091-19101.	3.8	27
106	A comparative study on the microstructure and cycling stability of the amorphous and nanocrystallization Mg ₆₀ Ni ₂₀ La ₁₀ alloys. International Journal of Hydrogen Energy, 2018, 43, 19141-19151.	3.8	15
107	Structures and Electrochemical Performances of As-spun RE-Mg-Ni-Mn-based Alloys Applied to Ni-MH Battery. Journal Wuhan University of Technology, Materials Science Edition, 2018, 33, 812-822.	0.4	1
108	Microstructure and Electrochemical Performance of CeMg ₁₂ /Ni/TiF ₃ Composites for Hydrogen Storage. Journal of Materials Engineering and Performance, 2018, 27, 4507-4513.	1.2	2

#	ARTICLE	IF	CITATIONS
109	Research on the synergistic doped effects and the catalysis properties of Cu ²⁺ and Zn ²⁺ co-doped CeO ₂ solid solutions. <i>Journal of Solid State Chemistry</i> , 2018, 264, 148-155.	1.4	8
110	Degradation behaviors of La-Mg-Ni-based metal hydride alloys: structural stability and influence on hydrogen storage performances. <i>Acta Metallurgica Sinica (English Letters)</i> , 2018, 31, 897-909.	1.5	5
111	Effect of milling duration on hydrogen storage thermodynamics and kinetics of ball-milled Ce-Mg-Ni-based alloy powders. <i>Journal of Iron and Steel Research International</i> , 2018, 25, 746-754.	1.4	11
112	Improved hydrogen storage kinetics of nanocrystalline and amorphous Ce-Mg-Ni-based CeMg ₁₂ -type alloys synthesized by mechanical milling. <i>RSC Advances</i> , 2018, 8, 23353-23363.	1.7	8
113	An investigation of gaseous hydrogen storage characterizations of Mg-Y-Ni-Cu alloys synthesized by melt spinning. <i>RSC Advances</i> , 2018, 8, 28969-28977.	1.7	6
114	Hydrogen storage performances of the as-milled RE ₁₁ Ni (RE = Sm, Y) alloys catalyzed by CeO ₂ . <i>Progress in Natural Science: Materials International</i> , 2018, 28, 259-265.	1.8	7
115	Changes of crystal structure and hydrogen storage performances for multiphase La _{0.7} Mg _{0.3} Ni ₃ alloy upon gas-solid cycling. <i>Rare Metals</i> , 2017, 36, 101-107.	3.6	7
116	Structures and Electrochemical Hydrogen Storage Properties of the As-Spun RE-Mg-Ni-Co-Al-Based AB ₂ -Type Alloys Applied to Ni-MH Battery. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2017, 48, 2472-2482.	1.1	2
117	Highly ameliorated gaseous and electrochemical hydrogen storage dynamics of nanocrystalline and amorphous LaMg ₁₂ -type alloys prepared by mechanical milling. <i>Journal of Iron and Steel Research International</i> , 2017, 24, 50-58.	1.4	7
118	Structure and electrochemical hydrogen storage characteristics of Ce-Mg-Ni-based alloys synthesized by mechanical milling. <i>Journal of Rare Earths</i> , 2017, 35, 280-289.	2.5	14
119	Hydrogen storage thermodynamic and kinetic characteristics of PrMg ₁₂ -type alloys synthesized by mechanical milling. <i>Journal of Iron and Steel Research International</i> , 2017, 24, 198-205.	1.4	8
120	Hydrogen storage properties of nanocrystalline and amorphous Pr-Mg-Ni-based alloys synthesized by mechanical milling. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 22379-22387.	3.8	13
121	Hydrogen storage behavior of nanocrystalline and amorphous La-Mg-Ni-based LaMg ₁₂ -type alloys synthesized by mechanical milling. <i>Transactions of Nonferrous Metals Society of China</i> , 2017, 27, 551-561.	1.7	13
122	Gaseous hydrogen storage thermodynamics and kinetics of RE-Mg-Ni-based alloys prepared by mechanical milling. <i>Journal of Central South University</i> , 2017, 24, 773-781.	1.2	5
123	Hydrogen storage thermodynamics and kinetics of RE-Mg-Ni-based alloys prepared by mechanical milling. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 18473-18483.	3.8	17
124	Improved hydrogen storage kinetics of nanocrystalline and amorphous Pr-Mg-Ni-based PrMg ₁₂ -type alloys synthesized by mechanical milling. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 18452-18464.	3.8	7
125	Structures and electrochemical hydrogen storage properties of melt-spun RE-Mg-Ni-Co-Al alloys. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 14227-14245.	3.8	17
126	Improvement on hydrogen storage thermodynamics and kinetics of the as-milled SmMg ₁₁ Ni alloy by adding MoS ₂ . <i>International Journal of Hydrogen Energy</i> , 2017, 42, 17157-17166.	3.8	8

#	ARTICLE	IF	CITATIONS
127	Structures and electrochemical performances of as-cast and spun RE-Mg-Ni-Mn-based alloys applied to Ni-MH battery. <i>Journal of Iron and Steel Research International</i> , 2017, 24, 296-305.	1.4	9
128	Structure and electrochemical hydrogen storage behaviors of RE-Mg-Ni-Co-Al-based AB ₂ -type alloys prepared by melt spinning. <i>Journal of Alloys and Compounds</i> , 2017, 699, 378-385.	2.8	8
129	A comparison study of catalytic effects of MoS ₂ and CeO ₂ on hydrogen storage performances of as-milled SmMg ₁₁ Ni alloy. <i>Materials Chemistry and Physics</i> , 2017, 202, 277-284.	2.0	3
130	Electrochemical performance of La ^x Sm ^{1-x} Mg ₁₆ Ni+200 wt.% Ni (x = 0, 0.1, 0.2, 0.3, 0.4) alloys. <i>Journal of Rare Earths</i> , 2017, 35, 683-689.	2.5	6
131	Catalytic effect of MoS ₂ on hydrogen storage thermodynamics and kinetics of an as-milled YMg ₁₁ Ni alloy. <i>RSC Advances</i> , 2017, 7, 37689-37698.	1.7	11
132	Effect of graphite (GR) content on microstructure and hydrogen storage properties of nanocrystalline Mg ₂₄ Y ₃ Ni ₄ GR composites. <i>Journal of Alloys and Compounds</i> , 2017, 726, 498-506.	2.8	13
133	A comparison study of hydrogen storage performances of as-milled YMg ₁₁ Ni alloy catalyzed by CeO ₂ and MoS ₂ . <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2017, 225, 1-9.	1.7	16
134	A Comparison Study of Hydrogen Storage Thermodynamics and Kinetics of YMg ₁₁ Ni Alloy Prepared by Melt Spinning and Ball Milling. <i>Acta Metallurgica Sinica (English Letters)</i> , 2017, 30, 1040-1048.	1.5	8
135	Highly improved electrochemical performances of the nanocrystalline and amorphous Mg ₂ Ni-type alloys by substituting Ni with M (M = Cu, Co, Mn). <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2017, 32, 685-694.	0.4	3
136	Structures and hydrogen storage performances of rare earth-Mg-Ni-Mn-based AB ₂ -type alloys applied to Ni-MH battery. <i>Journal of Solid State Electrochemistry</i> , 2017, 21, 1015-1025.	1.2	6
137	Improvement in the hydrogen storage performance of the as-milled Sm ^x Mg ^{1-x} alloys using MoS ₂ nano-particle catalysts. <i>RSC Advances</i> , 2017, 7, 56365-56374.	1.7	23
138	Structures and electrochemical performances of RE-Mg-Ni-Mn-based alloys prepared by casting and melt spinning. <i>Journal of Rare Earths</i> , 2016, 34, 1241-1251.	2.5	9
139	Effect of melt spinning on gaseous hydrogen storage characteristics of nanocrystalline and amorphous Nd-added Mg ₂ Ni-type alloys. <i>Journal of Central South University</i> , 2016, 23, 2754-2762.	1.2	2
140	Effects of spinning rate on structures and electrochemical hydrogen storage performances of RE ^x Mg ^{1-x} Ni ^{1-x} Mn-based AB ₂ -type alloys. <i>Transactions of Nonferrous Metals Society of China</i> , 2016, 26, 3219-3231.	1.7	14
141	Hydriding/dehydriding properties of NdMgNi alloy with catalyst CeO ₂ . <i>Journal of Rare Earths</i> , 2016, 34, 407-412.	2.5	3
142	Mechanism of distinct high rate dischargeability of La ₄ MgNi ₁₉ electrode alloys prepared by casting and rapid quenching followed by annealing treatment. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 18571-18581.	3.8	12
143	An investigation on hydrogen storage thermodynamics and kinetics of Pr ^x Mg ^{1-x} Ni-based PrMg ₁₂ -type alloys synthesized by mechanical milling. <i>Journal of Alloys and Compounds</i> , 2016, 688, 585-593.	2.8	20
144	Electrochemical hydrogen storage behaviour of as-cast and as-spun RE ^x Mg ^{1-x} Ni ^{1-x} Mn-based alloys applied to Ni-MH battery. <i>International Journal of Materials Research</i> , 2016, 107, 824-834.	0.1	4

#	ARTICLE	IF	CITATIONS
145	Hydrogen Storage Characteristics of Nanocrystalline and Amorphous Nd-Mg-Ni-Based NdMg ₁₂ -Type Alloys Synthesized via Mechanical Milling. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2016, 47, 6404-6412.	1.1	2
146	An investigation on hydrogen storage thermodynamics and kinetics of Nd-Mg-Ni-based alloys synthesized by mechanical milling. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 12205-12213.	3.8	14
147	Structure, hydrogen storage kinetics and thermodynamics of Mg-base Sm ₅ Mg ₄₁ alloy. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 5994-6003.	3.8	75
148	Hydrogen Storage Thermodynamics and Dynamics of Nd-Mg-Ni-Based NdMg ₁₂ -Type Alloys Synthesized by Mechanical Milling. <i>Acta Metallurgica Sinica (English Letters)</i> , 2016, 29, 577-586.	1.5	12
149	Evolution of the phase structure and hydrogen storage thermodynamics and kinetics of Mg ₈₈ Y ₁₂ binary alloy. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 2689-2699.	3.8	84
150	Effect of elemental substitution on the structure and hydrogen storage properties of LaMgNi ₄ alloy. <i>Materials and Design</i> , 2016, 93, 46-52.	3.3	43
151	Hydrogen Storage Kinetics of Nanocrystalline and Amorphous LaMg ₁₂ -Type Alloy-Ni Composites Synthesized by Mechanical Milling. <i>Journal of Materials Science and Technology</i> , 2016, 32, 218-225.	5.6	19
152	Hydrogen storage thermodynamics and kinetics of LaMg ₁₁ Ni + x wt.% Ni (x = 100, 200) alloys synthesized by mechanical milling. <i>International Journal of Materials Research</i> , 2016, 107, 348-355.	0.1	3
153	Hydrogen storage kinetics of nanocrystalline and amorphous NdMg ₁₂ -type alloy-Ni composites synthesized by mechanical milling. <i>International Journal of Materials Research</i> , 2016, 107, 605-614.	0.1	3
154	An investigation on electrochemical hydrogen storage performances of Mg-Y-Ni alloys prepared by mechanical milling. <i>Journal of Rare Earths</i> , 2015, 33, 874-883.	2.5	10
155	Electrochemical characteristics of nanocrystalline and amorphous Mg-Y-Ni-based Mg ₂ Ni-type alloys prepared by mechanical milling. <i>International Journal of Materials Research</i> , 2015, 106, 368-377.	0.1	4
156	Hydrogen storage performances of LaMg ₁₁ Ni + xwt% Ni (x= 100, 200) alloys prepared by mechanical milling. <i>Journal of Alloys and Compounds</i> , 2015, 645, S438-S445.	2.8	8
157	Electrochemical hydrogen-storage performance of Mg ₂₀ -x Y x Ni ₁₀ (x=0-4) alloys prepared by mechanical milling. <i>Journal of Applied Electrochemistry</i> , 2015, 45, 931-941.	1.5	9
158	Hydrogen induced amorphization behaviors of multiphase La _{0.8} Mg _{0.2} Ni _{3.5} alloy. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 7093-7102.	3.8	28
159	Improved hydrogen storage kinetics of nanocrystalline and amorphous Mg-Nd-Ni-Cu-based Mg ₂ Ni-type alloys by adding Nd. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2015, 30, 1115-1124.	0.4	0
160	Electrochemical properties of nanocrystalline and amorphous Mg-Y-Ni alloys applied to Ni-MH battery. <i>Transactions of Nonferrous Metals Society of China</i> , 2015, 25, 3736-3746.	1.7	6
161	Electrochemical hydrogen storage performances of the Si added La-Mg-Ni-based A ₂ B ₇ -type electrode alloys for Ni/MH battery application. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2015, 30, 166-174.	0.4	3
162	Gaseous and electrochemical hydrogen storage behaviors of nanocrystalline and amorphous Nd-added Mg ₂ Ni-type alloys. <i>Rare Metals</i> , 2015, 34, 463-471.	3.6	6

#	ARTICLE	IF	CITATIONS
163	Effect of mechanical grinding on the electrochemical hydrogen storage properties of Mg ¹⁰ Ni ¹⁰ Y alloy. Journal of Solid State Electrochemistry, 2015, 19, 1187-1195.	1.2	14
164	Effects of stoichiometric ratio La/Mg on structures and electrochemical performances of as-cast and annealed La ¹⁰ Mg ¹⁰ Ni-based A2B7-type electrode alloys. Transactions of Nonferrous Metals Society of China, 2015, 25, 1968-1977.	1.7	12
165	Effects of Annealing Temperature on the Electrochemical Hydrogen Storage Behaviors of La-Mg-Ni-Based A2B7-Type Electrode Alloys. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2015, 46, 2294-2303.	1.1	5
166	Properties of Mechanically Milled Nanocrystalline and Amorphous Mg ¹⁰ Y ¹⁰ Ni Electrode Alloys for Ni ¹⁰ MH Batteries. Acta Metallurgica Sinica (English Letters), 2015, 28, 826-836.	1.5	12
167	Influences of hydrogen-induced amorphization and annealing treatment on gaseous hydrogen storage properties of La ¹⁰ Pr MgNi _{3.6} Co _{0.4} (x= 0 ¹⁰ 0.4) alloys. Journal of Alloys and Compounds, 2015, 639, 15-20.	2.8	22
168	Development and Application of Hydrogen Storage. Journal of Iron and Steel Research International, 2015, 22, 757-770.	1.4	108
169	The electrochemical hydrogen storage performances of Si-added La ¹⁰ Mg ¹⁰ Ni ¹⁰ Co-based A2B7-type electrode alloys. Rare Metals, 2015, 34, 569-579.	3.6	18
170	Effects of substituting La with M (M=Sm, Nd, Pr) on electrochemical hydrogen storage characteristics of A2B7-type electrode alloys. Transactions of Nonferrous Metals Society of China, 2014, 24, 4012-4022.	1.7	8
171	Research progress in Mg-based hydrogen storage alloys. Rare Metals, 2014, 33, 499-510.	3.6	45
172	Hydrogen storage kinetics of nanocrystalline and amorphous Cu ¹⁰ Nd-added Mg ₂ Ni-type alloys. Transactions of Nonferrous Metals Society of China, 2014, 24, 3524-3533.	1.7	17
173	Electrochemical Performance of Nanocrystalline and Amorphous Mg ¹⁰ Nd ¹⁰ Ni ¹⁰ Cu-Based Mg ₂ Ni-type Alloy Electrodes Used in Ni-MH Batteries. Acta Metallurgica Sinica (English Letters), 2014, 27, 1088-1098.	1.5	7
174	Hydrogen storage kinetics of as-cast and spun (Mg ₂₄ Ni ₁₀ Cu ₂) ₁₀₀ Nd _x (x = 0 ¹⁰ 20) alloys. International Journal of Materials Research, 2014, 105, 1159-1165.	0.1	2
175	Structures and electrochemical hydrogen storage performance of Si added A2B7-type alloy electrodes. Transactions of Nonferrous Metals Society of China, 2014, 24, 406-414.	1.7	12
176	The electrochemical hydrogen storage characteristics of as-spun nanocrystalline and amorphous Mg ₂₀ Ni ₁₀ ~ ^x M _x (M=Cu, Co, Mn; x ¹⁰ =4) alloys. Rare Metals, 2014, 33, 663-673.	3.6	8
177	Hydrogen storage properties of LaMgNi _{3.6} M _{0.4} (M = Ni, Co, Mn, Cu, Al) alloys. Journal of Alloys and Compounds, 2014, 617, 29-33.	2.8	44
178	Influences of substituting Ni with M (M=Cu, Co, Mn) on gaseous and electrochemical hydrogen storage kinetics of Mg ₂₀ Ni ₁₀ alloys. Journal of Central South University, 2014, 21, 1705-1713.	1.2	3
179	An investigation on electrochemical performances of as-cast and annealed La _{0.8} Mg _{0.2} Ni _{3.3} Co _{0.2} Si _x (x) Tj ETQq1 1 0.784314 rgBT /Dv 2125-2135.	1.2	6
180	Kinetic properties of La ₂ Mg ₁₇ ~ ^x wt.% Ni (x ¹⁰ =200) hydrogen storage alloys prepared by ball milling. International Journal of Hydrogen Energy, 2014, 39, 13557-13563.	3.8	20

#	ARTICLE	IF	CITATIONS
181	Highly improved electrochemical hydrogen storage performances of the Nd-Cu-added Mg ₂ Ni-type alloys by melt spinning. <i>Journal of Alloys and Compounds</i> , 2014, 584, 81-86.	2.8	29
182	An investigation on electrochemical and gaseous hydrogen storage performances of as-cast La _{1-x} Pr _x MgNi _{3.6} Co _{0.4} (x=0-0.4) alloys. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 14282-14287.	3.8	49
183	Highly Improved Gaseous Hydrogen Storage Characteristics of the Nanocrystalline and Amorphous Nd-Cu-added Mg ₂ Ni-type Alloys by Melt Spinning. <i>Journal of Materials Science and Technology</i> , 2014, 30, 1020-1026.	5.6	10
184	Hydrogen storage characteristics of the nanocrystalline and amorphous Mg-Nd-Ni-Cu-based alloys prepared by melt spinning. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 3790-3798.	3.8	31
185	Comparative study of electrochemical performances of the as-melt Mg ₂₀ Ni _{10-x} M _x (M=None, Cu, Co). <i>TJ ETQq</i> 1 0.784314 rgBT /C	2.8	29
186	Electrochemical hydrogen storage characteristics of as-cast and annealed La _{0.8-x} Nd _x Mg _{0.2} Ni _{3.15} Co _{0.2} Al _{0.1} Si _{0.05} (x=0-0.4) alloys. <i>Transactions of Nonferrous Metals Society of China</i> , 2013, 23, 1403-1412.	1.7	18
187	Electrochemical performances of as-cast and annealed La _{0.8-x} Nd _x Mg _{0.2} Ni _{3.35} Al _{0.1} Si _{0.05} (x=0-0.4) alloys applied to Ni/metal hydride (MH) battery. <i>Rare Metals</i> , 2013, 32, 150-158.	3.6	20
188	Effect of Nd content on electrochemical performances of nanocrystalline and amorphous (Mg ₂₄ Ni ₁₀ Cu ₂) _{100-x} Nd _x (x=0-20) alloys prepared by melt spinning. <i>Transactions of Nonferrous Metals Society of China</i> , 2013, 23, 3668-3676.	1.7	15
189	Electrochemical hydrogen storage performances of the nanocrystalline and amorphous (Mg ₂₄ Ni ₁₀ Cu ₂) _{100-x} Nd _x (x=0-20) alloys applied to Ni-MH battery. <i>Journal of Rare Earths</i> , 2013, 31, 1175-1182.	2.5	4
190	Gaseous and electrochemical hydrogen storage kinetics of as-quenched nanocrystalline and amorphous Mg ₂ Ni-type alloys. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2013, 28, 604-611.	0.4	3
191	Structure and electrochemical hydrogen storage characteristics of La _{0.8-x} Pr _x Mg _{0.2} Ni _{3.15} Co _{0.2} Al _{0.1} Si _{0.05} (x=0-0.4) electrode alloys. <i>Journal of Central South University</i> , 2013, 20, 1142-1150.	1.2	14
192	An investigation on electrochemical hydrogen storage performances of the as-cast and -annealed La _{0.8-x} Sm _x Mg _{0.2} Ni _{3.35} Al _{0.1} Si _{0.05} (x=0-0.4) alloys. <i>Journal of Alloys and Compounds</i> , 2012, 537, 175-182.	2.8	35
193	Structure and electrochemical hydrogen storage characteristics of the as-cast and annealed La _{0.8-x} Sm _x Mg _{0.2} Ni _{3.15} Co _{0.2} Al _{0.1} Si _{0.05} (x=0-0.4) alloys. <i>Journal of Rare Earths</i> , 2012, 30, 696-704.	2.5	20
194	Electrochemical performances of the as-melt La _{0.75-x} M _x Mg _{0.25} Ni _{3.2} Co _{0.2} Al _{0.1} (M=Pr, Zr; x=0, 0.2) alloys applied to Ni/metal hydride (MH) battery. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 14590-14597.	3.8	35
195	Electrochemical hydrogen storage characteristics of La _{0.75-x} M _x Mg _{0.25} Ni _{3.2} Co _{0.2} Al _{0.1} (M = Zr, Pr; x) <i>TJ ETQq</i> 1 0.784314 rgBT /C	3.6	10
196	Gaseous and electrochemical hydrogen storage kinetics of nanocrystalline Mg ₂ Ni-type alloy prepared by rapid quenching. <i>Journal of Alloys and Compounds</i> , 2011, 509, 5604-5610.	2.8	20
197	Enhanced hydrogen storage kinetics of nanocrystalline and amorphous Mg ₂ Ni-type alloy by substituting Ni with Co. <i>Transactions of Nonferrous Metals Society of China</i> , 2011, 21, 2002-2009.	1.7	9
198	Electrochemical hydrogen storage characteristics of nanocrystalline and amorphous Mg ₂ Ni-type alloys prepared by melt-spinning. <i>Transactions of Nonferrous Metals Society of China</i> , 2011, 21, 502-511.	1.7	9

#	ARTICLE	IF	CITATIONS
199	An investigation of hydrogen storage kinetics of melt-spun nanocrystalline and amorphous Mg ₂ Ni-type alloys. <i>Journal of Rare Earths</i> , 2011, 29, 87-93.	2.5	11
200	Influence of substituting Ni with Co on hydriding and dehydriding kinetics of melt spun nanocrystalline and amorphous Mg ₂ Ni-type alloys. <i>Journal of Central South University</i> , 2011, 18, 303-309.	1.2	3
201	Hydriding and dehydriding kinetics of nanocrystalline and amorphous Mg ₂ Ni ^{1-x} Mn ^x (x=0~0.4) alloys prepared by melt spinning. <i>Central South University</i> , 2011, 18, 985-992.	0.5	5
202	Influences of melt spinning on electrochemical hydrogen storage performance of nanocrystalline and amorphous Mg ₂ Ni-type alloys. <i>Central South University</i> , 2011, 18, 1825-1832.	0.5	5
203	Influence of the substituting Ni with Fe on the cycle stabilities of as-cast and as-quenched La _{0.7} Mg _{0.3} Co _{0.45} Ni _{2.55} ^{1-x} Fe ^x (x=0~0.4) electrode alloys. <i>Materials Characterization</i> , 2010, 61, 305-311.	1.9	9
204	Investigation on electrochemical performances of melt-spun nanocrystalline and amorphous Mg ₂ Ni ^{1-x} Mn ^x (x=0~0.4) electrode alloys. <i>International Journal of Hydrogen Energy</i> , 2010, 35, 11025-11034.	3.8	10
205	Structure and electrochemical performances of Mg ₂ Ni ^{1-x} Mn ^x (x=0~0.4) electrode alloys prepared by melt spinning. <i>Electrochimica Acta</i> , 2010, 56, 427-434.	2.6	20
206	Hydrogen storage behaviours of nanocrystalline and amorphous Mg ₂₀ Ni _{10-x} Cox(x=0-4) alloys prepared by melt spinning. <i>Transactions of Nonferrous Metals Society of China</i> , 2010, 20, 405-411.	1.7	11
207	Structures and electrochemical performances of La _{0.75} ^{1-x} Zr ^x Mg _{0.25} Ni _{3.2} Co _{0.2} Al _{0.1} (x=0~0.2) electrode alloys prepared by melt spinning. <i>Transactions of Nonferrous Metals Society of China</i> , 2010, 20, 607-613.	1.7	6
208	An investigation on the hydrogen storage characteristics of the melt-spun nanocrystalline and amorphous Mg ₂₀ ^{1-x} La ^x Ni ₁₀ (x=0, 2) hydrogen storage alloys. <i>Materials Chemistry and Physics</i> , 2009, 115, 328-333.	2.0	13
209	Structures and electrochemical hydrogen storage behaviours of La _{0.75} ^{1-x} Pr ^x Mg _{0.25} Ni _{3.2} Co _{0.2} Al _{0.1} (x=0~0.4) alloys prepared by melt spinning. <i>International Journal of Hydrogen Energy</i> , 2009, 34, 6335-6342.	3.8	23
210	Electrochemical hydrogen storage characteristics of nanocrystalline and amorphous Mg ₂₀ Ni _{10-x} Cox(x=0~4) alloys prepared by melt spinning. <i>International Journal of Hydrogen Energy</i> , 2009, 34, 8144-8151.	3.8	20
211	The hydrogenation and dehydrogenation behaviours of Mg ₂₀ ^{1-x} La ^x Ni ₁₀ (x=0~6) alloys prepared by casting and rapid quenching. <i>Journal of Alloys and Compounds</i> , 2009, 476, 457-461.	2.8	8
212	Effect of Ni/(La+Mg) ratio on structure and electrochemical performance of La-Mg-Ni alloy system. <i>Journal of Iron and Steel Research International</i> , 2009, 16, 83-88.	1.4	9
213	Effect of annealing temperature on microstructure and electrochemical performance of La _{0.75} Mg _{0.25} Ni _{3.5} Co _{0.2} hydrogen storage electrode alloy. <i>Journal of Rare Earths</i> , 2008, 26, 99-104.	2.5	10
214	Effects of substituting Mg with Zr on the electrochemical characteristics of Mg ₂ Ni-type electrode alloys prepared by mechanical alloying. <i>Materials Characterization</i> , 2008, 59, 390-396.	1.9	5
215	Influence of spark plasma sintering temperature on electrochemical performance of La _{0.80} Mg _{0.20} Ni _{3.75} alloy. <i>Materials Chemistry and Physics</i> , 2008, 112, 596-602.	2.0	24
216	Electrochemical characteristics of Mg ₂ ^{1-x} Zr ^x Ni (x=0~0.6) electrode alloys prepared by mechanical alloying. <i>Journal of Alloys and Compounds</i> , 2008, 450, 208-214.	2.8	22

#	ARTICLE	IF	CITATIONS
217	Cycle stabilities of the $\text{La}_{0.7}\text{Mg}_{0.3}\text{Ni}_{2.55-x}\text{Co}_{0.45}\text{M}_x$ (M=Fe, Mn, Al; x=0, 0.1) electrode alloys prepared by casting and rapid quenching. <i>Journal of Alloys and Compounds</i> , 2008, 458, 340-345.	2.8	54
218	Investigation on structures and electrochemical characteristics of the as-cast and quenched $\text{La}_{0.5}\text{Ce}_{0.2}\text{Mg}_{0.3}\text{Co}_{0.4}\text{Ni}_{2.6-x}\text{Mn}_x$ (x=0-0.4) electrode alloys. <i>Journal of Alloys and Compounds</i> , 2008, 461, 591-597.	2.8	20
219	Effect of substituting Ni with Cu on the cycle stability of $\text{La}_{0.7}\text{Mg}_{0.3}\text{Ni}_{2.55-x}\text{Co}_{0.45}\text{Cu}_x$ (x=0-0.4) electrode alloy prepared by casting and rapid quenching. <i>Materials Characterization</i> , 2007, 58, 289-295.	1.9	9
220	Investigation on structures and electrochemical performances of the as-cast and -quenched $\text{La}_{0.7}\text{Mg}_{0.3}\text{Co}_{0.45}\text{Ni}_{2.55-x}\text{Fe}_x$ (x=0-0.4) electrode alloys. <i>International Journal of Hydrogen Energy</i> , 2007, 32, 4627-4634.	3.8	41
221	Microstructures and electrochemical performances of $\text{La}_2\text{Mg}(\text{Ni}_{0.85}\text{Co}_{0.15})_9\text{M}_x\text{M}_x$ (M=B, Cr, Ti). <i>International Journal of Hydrogen Energy</i> , 2006, 31, 63-69.	3.8	10
222	Effect of substituting Co with Fe on the cycle stabilities of the as-cast and quenched AB5-type hydrogen storage alloys. <i>Journal of Power Sources</i> , 2005, 148, 105-111.	4.0	40
223	Effects of rapid quenching on the electrochemical performances and microstructures of the $\text{Mm}(\text{NiMnSiAl})_{4.3}\text{Co}_{0.6-x}\text{Fe}_x$ (x = 0-0.6) electrode alloys. <i>Journal of Power Sources</i> , 2004, 137, 309-316.	4.0	29