Myoung-Youp Song

List of Publications by Year
in descending order

156 papers	1,681 citations	377584 21 h-index	445137 33 g-index
156 all docs	156 docs citations	156 times ranked	1021 citing authors

#	Article	IF	Citations
1	Determination of the Activation Energy for Hydride Decomposition Using a Sieverts-Type Apparatus and the Kissinger Equation. Metals, 2022, 12, 265.	1.0	2
2	Study on the Variation in Microstructure of a Ferritic Stainless Steel with Surface Roughness and Thermal Cycling in Air. Journal of Nanoscience and Nanotechnology, 2021, 21, 4372-4382.	0.9	1
3	Hydrogen charging kinetics of Mg - 10wt% Fe2O3 prepared via MgH2-forming mechanical milling. Materials Research Bulletin, 2021, 140, 111304.	2.7	11
4	Development of Magnesium-Based Material with Hydrogen-Storage Capacity of 7 wt%. Journal of Nanoscience and Nanotechnology, 2021, 21, 4353-4361.	0.9	0
5	Improvement in the Hydrogenation and Dehydrogenation Features of Mg by Milling in Hydrogen with Vanadium Chloride. Journal of Korean Institute of Metals and Materials, 2021, 59, 709-717.	0.4	0
6	Improvement in the Hydrogenation and Dehydrogenation Features of Mg by Milling in Hydrogen with Vanadium Chloride. Journal of Korean Institute of Metals and Materials, 2021, 59, 709-717.	0.4	4
7	Improvement in Hydriding and Dehydriding Features of Mgâ€“TaF5â€“VCl3 Alloy by Adding Ni and x wt% MgH2 (x = 1, 5, and 10) Together with TaF5 and VCl3. Micromachines, 2021, 12, 1194.	1.4	2
8	Hydriding and Dehydriding Features of a Titanium-Added Magnesium Hydride Composite. Medziagotyra, 2020, 26, 199-204.	0.1	1
9	Increase in the dehydrogenation rates and hydrogen-storage capacity of Mg-graphene composites by adding nickel via reactive ball milling. Materials Research Bulletin, 2020, 130, 110938.	2.7	9
10	Amelioration of Hydrogen Uptake and Release Features of Magnesium Adding a Polymer Polyvinylidene Fluoride via Milling in Hydrogen in a Planetary Ball Mill. Journal of Nanoscience and Nanotechnology, 2020, 20, 7105-7113.	0.9	1
11	Rate-Controlling Steps for the Hydriding Reaction of the Intermetallic Compound Mg₂Ni. Journal of Nanoscience and Nanotechnology, 2020, 20, 7010-7017.	0.9	2
12	Increasing the Hydrogenation and Dehydrogenation Rates of Magnesium by Incorporating CMC(Na) (Carboxymethylcellulose-Sodium Salt) and Nickel. Journal of Nanoscience and Nanotechnology, 2019, 19, 6580-6589.	0.9	4
13	Hydrogenation and Dehydrogenation Behaviors of Mg₂Ni Synthesized by Sintering Pelletized Mixtures Under an Ar Atmosphere. Journal of Nanoscience and Nanotechnology, 2019, 19, 6571-6579.	0.9	3
14	Increase in the Dehydrogenation Rate of Mgâ€“CMC (Carboxymethylcellulose, Sodium Salt) by Adding Ni via Hydride-Forming Milling. Metals and Materials International, 2019, 25, 516-527.	1.8	8
15	Nickel, Graphene, and Yttria-Stabilized Zirconia (YSZ)-Added Mg by Grinding in Hydrogen Atmosphere for Hydrogen Storage. Metals, 2019, 9, 1347.	1.0	5
16	Preparation of a Mg-Based alloy with a high hydrogen-storage capacity byÂadding a polymer CMC via milling in a hydrogen atmosphere. International Journal of Hydrogen Energy, 2019, 44, 3779-3789.	3.8	16
17	Improvement of the Hydrogen-Release Features of Mg-Graphene Composite by Adding Nickel via Reactive Ball Milling. Journal of Korean Institute of Metals and Materials, 2019, 57, 663-672.	0.4	6
18	Effects of Zn(BH₄)₂, Ni, and/or Ti Doping on the Hydrogen-Storage Features of MgH₂. Journal of Korean Institute of Metals and Materials, 2019, 57, 176-183.	0.4	7

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19	TiCl3 and Ni-added Mg prepared by reactive mechanical grinding processing and comparison with Fe2O3 and Niadded Mg. Journal of Ceramic Processing Research, 2019, 20, 173-181.	0.4	1
20	Development of a Hydrogen Uptake-Release Mg-Based Alloy by Adding a Polymer CMC (Carboxymethylcellulose, Sodium Salt) via Reaction-Accompanying Milling. Metals and Materials International, 2018, 24, 1181-1190.	1.8	5
21	Advancement in the Hydrogen Absorbing and Releasing Kinetics of MgH2 by Mixing with Small Percentages of Zn(BH4)2 and Ni. Metals and Materials International, 2018, 24, 423-432.	1.8	7
22	Syntheses of nano-sized Co-based powders by carbothermal reduction for anode materials of lithium ion batteries. Ceramics International, 2018, 44, 4225-4229.	2.3	5
23	Nucleation and growth behaviors of hydriding and dehydriding reactions of Mg2Ni. Materials Research Bulletin, 2018, 99, 23-28.	2.7	12
24	Role of the Added Ni in Hydrogen-Storage Reactions of MgH2-Zn(BH4)2-Tm (Ni, Ti, or Fe) Alloys. Medziagotyra, 2018, 24, .	0.1	1
25	Development of an Mg-Based Alloy with a Hydrogen-Storage Capacity over 6 wt% by Adding Graphene. Metals and Materials International, 2018, 24, 1403-1411.	1.8	11
26	Synthesis of a Mg-based alloy with a hydrogen-storage capacity of over 7â€‰wt% by adding a polymer CMC via transformation-involving milling. Materials Research Bulletin, 2018, 108, 23-31.	2.7	10
27	Development of an Mg-Based Alloy with High Hydriding and Dehydriding Rates and Large Hydrogen Storage Capacity by Adding TaF5. Journal of Nanoscience and Nanotechnology, 2018, 18, 6040-6046.	0.9	2
28	Improvement in the Hydrogen-Storage Characteristics of Magnesium Hydride by Grinding with Sodium Alanate and Transition Metals in a Hydrogen Atmosphere. Journal of Nanoscience and Nanotechnology, 2018, 18, 6047-6054.	0.9	2
29	Enhancement of the Hydrogen Uptake and Release Rates of Mg by the Addition of TaF5 and VCl3 with Reactive Mechanical Grinding. Nanoscience and Nanotechnology Letters, 2018, 10, 772-778.	0.4	4
30	Hydrogen Storage Properties of Mg Alloy Prepared by Incorporating Polyvinylidene Fluoride via Reactive Milling. Journal of Korean Institute of Metals and Materials, 2018, 56, 878-884.	0.4	6
31	Development of a Mg-Based Alloy with a Hydrogen-Storage Capacity of 7 wt% by Adding a Polymer CMC via Transformation-Involving Milling. Journal of Korean Institute of Metals and Materials, 2018, 56, 392-399.	0.4	7
32	Hydrogen Storage Properties of Mg-Graphene Composites. Journal of Korean Institute of Metals and Materials, 2018, 56, 524-531.	0.4	10
33	Hydrogen Uptake and Release Characteristics of Mg-xTaF5-xVCl3 (x=1.25, 2.5, and 5). Journal of Korean Institute of Metals and Materials, 2018, 56, 611-619.	0.4	10
34	Raising the Dehydrogenation Rate of a Mg-CMC (Carboxymethylcellulose, Sodium Salt) Composite by Alloying Ni via Hydride-Forming Milling. Journal of Korean Institute of Metals and Materials, 2018, 56, 620-627.	0.4	7
35	Changes in microstructure, phases, and hydrogen storage characteristics of metal hydro-borate and nickel-added magnesium hydride with hydrogen absorption and release reactions. International Journal of Hydrogen Energy, 2017, 42, 1018-1026.	3.8	18
36	Development of a Hydrogen-Storage Alloy with a High Capacity of Approximately 6 wt% by Adding a Transition Metal and a Halide. Journal of Nanoscience and Nanotechnology, 2017, 17, 8105-8111.	0.9	6

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37	Cycling Performance of NaAlH4 and Transition Metals-Added MgH2 Prepared via Milling in a Hydrogen Atmosphere. Journal of Nanoscience and Nanotechnology, 2017, 17, 8132-8137.	0.9	5
38	Preparation of an additive-free sample with a MgH2 phase by planetary ball milling of Mg with10 wt% MgH2. Metals and Materials International, 2016, 22, 1121-1128.	1.8	4
39	Increase in Hydrogen Release Rate of MgH₂ by Grinding in a Hydrogen Atmosphere with Ni Added. Journal of Nanoscience and Nanotechnology, 2016, 16, 10499-10507.	0.9	8
40	Hydrogen Storage Characteristics of Mg, Mg-5TaF₅, and Mg-5NbF₅ Prepared via Grinding in a Hydrogen Atmosphere. Journal of Nanoscience and Nanotechnology, 2016, 16, 10508-10514.	0.9	3
41	Preparation of Mg-MgH2 flakes by planetary ball milling with stearic acid and their hydrogen storage properties. Metals and Materials International, 2016, 22, 544-549.	1.8	10
42	Hydrogen Sorption of Pure Mg and Niobium (V) Fluoride-Added Mg Alloys Prepared by Planetary Ball Milling in Hydrogen. Journal of Korean Institute of Metals and Materials, 2016, 54, 916-924.	0.4	6
43	MgH2 and Ni-Coated Carbon-Added Mg Hydrogen-Storage Alloy Prepared by Mechanical Alloying. Journal of Korean Institute of Metals and Materials, 2016, 54, 125-131.	0.4	8
44	Study on the Reactivity with Hydrogen of Planetary Ball Milled 90 wt% Mg+10 wt% MgH2: Analyses of Reaction Rates with Hydrogen and Microstructure. Journal of Korean Institute of Metals and Materials, 2016, 54, 358-363.	0.4	8
45	Hydrogen Storage Characteristics of Metal Hydro-Borate and Transition Element-Added Magnesium Hydride. Journal of Korean Institute of Metals and Materials, 2016, 54, 503-509.	0.4	11
46	Hydrogen Storage and Release Properties of Transition Metal-Added Magnesium Hydride Alloy Fabricated by Grinding in a Hydrogen Atmosphere. Journal of Korean Institute of Metals and Materials, 2016, 54, 510-518.	0.4	11
47	Hydriding and dehydriding rates of Mg, Mg-10TaF5, and Mg-10NbF5 prepared via reactive mechanical grinding. Metals and Materials International, 2015, 21, 208-212.	1.8	5
48	Preparation of a sample with a single MgH2 phase by horizontal ball milling and the first hydriding reaction of 90 wt% Mg-10 wt% MgH2. Metals and Materials International, 2015, 21, 422-428.	1.8	8
49	Development of a Mg-based hydrogen-storage material by addition of Ni and NbF5 via milling under hydrogen. International Journal of Hydrogen Energy, 2015, 40, 11908-11916.	3.8	28
50	Preparation of Zn(BH4)2 and diborane and hydrogen release properties of Zn(BH4)2+xMgH2 (x=1, 5, 10,) Tj ETQq0 0 0 rgBT /Overlock 1	1.8	4
51	Evaluation of the metal-added Mg hydrogen storage material and comparison with the oxide-added Mg. Journal of Industrial and Engineering Chemistry, 2015, 21, 378-386.	2.9	4
52	Hydriding and Dehydriding Properties of Zinc Borohydride, Nickel, and Titanium-Added Magnesium Hydride. Journal of Korean Institute of Metals and Materials, 2015, 53, 808-814.	0.4	2
53	Effects of Milling and Hydriding-Dehydriding Cycling on the Hydrogen-Storage Behaviors of a Magnesium-Nickel-Tantalum Fluoride Alloy. Journal of Korean Institute of Metals and Materials, 2015, 53, 904-910.	0.4	2
54	Enhancement of the Hydriding and Dehydriding Rates of Mg by Adding TiCl3 and Reactive Mechanical Grinding. Journal of Korean Institute of Metals and Materials, 2015, 53, 187-191.	0.4	11

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55	Synthesis of Zn(BH4)2 and Gas Absorption and Release Characteristics of Zn(BH4)2, Ni, or Ti-Added MgH2â€“Based Alloys. Journal of Korean Institute of Metals and Materials, 2015, 53, 500-505.	0.4	3
56	Synthesis of Nanocobalt Powders for an Anode Material of Lithium-Ion Batteries by Chemical Reduction and Carbon Coating. Journal of Nanomaterials, 2014, 2014, 1-8.	1.5	1
57	Hydrogen-storage properties of MgH2â€“10Niâ€“2NaAlH4â€“2Ti prepared by reactive mechanical grinding. Journal of Industrial and Engineering Chemistry, 2014, 20, 1591-1595.	2.9	5
58	Electrochemical performances of LiNiO2 substituted by Ti for Ni via the combustion method. Ceramics International, 2014, 40, 11131-11137.	2.3	14
59	Electrochemical performances of Li1+zNiO2 (z=0, 0.04, 0.08, 0.10, 0.12, and 0.15) synthesized by a combustion method. Ceramics International, 2014, 40, 8585-8591.	2.3	6
60	Electrochemical properties of nano-cobalt powder prepared by chemical reduction with and without cetyltrimethylammonium bromide and carbon-coated at 500 Â°C for secondary lithium Batteries. Metals and Materials International, 2014, 20, 793-799.	1.8	3
61	Comparison of hydrogen storage properties of pure Mg and milled pure Mg. Bulletin of Materials Science, 2014, 37, 831-835.	0.8	8
62	Electrochemical properties of LiNiO2 cathode after TiO2 or ZnO addition. Ceramics International, 2014, 40, 4219-4224.	2.3	5
63	Preparation and characterization of NbF 5 -added Mg hydrogen storage alloy. International Journal of Hydrogen Energy, 2014, 39, 16486-16492.	3.8	25
64	Electrochemical characteristics of LiNi0.7Co0.3O2 synthesized from different combinations of hydro-oxides, carbonates, and oxides at 800Â°C. Ceramics International, 2014, 40, 81-86.	2.3	1
65	Hydrogenation and dehydrogenation rates of oxide Fe2O3-added magnesium, and effects of Ti addition. Ceramics International, 2014, 40, 2389-2393.	2.3	1
66	Electrochemical properties of LiNiO2 substituted by Al or Ti for Ni via the combustion method. Ceramics International, 2014, 40, 14141-14147.	2.3	18
67	Hydriding and Dehydriding Reactions of Mg-xTaF5 (x=0, 5, and 10) Prepared via Reactive Mechanical Grinding. Journal of Korean Institute of Metals and Materials, 2014, 52, 957-962.	0.4	6
68	Enhancement of Hydrogen-Storage Characteristics of Magnesium Hydride via Reaction-Involved Milling with Nickel and Lithium Borohydride. Journal of Korean Institute of Metals and Materials, 2014, 52, 1031-1036.	0.4	3
69	Improvement of the Reaction Rates of Mg with H2 by the Addition of TaF5 via Reactive Mechanical Grinding. Journal of Korean Institute of Metals and Materials, 2014, 52, 137-142.	0.4	5
70	Hydrogen storage properties of pure Mg. Journal of Korean Institute of Metals and Materials, 2014, 52, 293-297.	0.4	3
71	PCT Curve and Cycling Performance of MgH2-Ni-NaAlH4-Ti Alloy Milled under H2. Journal of Korean Institute of Metals and Materials, 2014, 52, 391-396.	0.4	3
72	Variation with thermal cycling in microstructure and area specific resistance of a ferritic stainless steel having rough surfaces. Electronic Materials Letters, 2013, 9, 201-205.	1.0	0

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73	Study on the reactivity of MgH2+MgB2 composites under high hydrogen pressure and high temperature. Materials Research Bulletin, 2013, 48, 1071-1075.	2.7	1
74	Synthesis of LiNi0.9Co0.1O2 from Li2CO3, NiO or NiCO3, and CoCO3 or Co3O4 and their electrochemical properties. Ceramics International, 2013, 39, 7297-7303.	2.3	3
75	Improvement of hydrogen-storage properties of MgH2 by addition of Ni and Ti via reactive mechanical grinding and a rate-controlling step in its dehydriding reaction. Metals and Materials International, 2013, 19, 879-885.	1.8	8
76	Fabrication of Fe-Ti alloys by pulsed current-assisted reaction from iron, manganese and titanium oxide or titanium hydride. Metals and Materials International, 2013, 19, 895-899.	1.8	4
77	Comparison of hydrogen-storage properties of Mg-14Ni-3Fe2O3-3Ti and Mg-14Ni-2Fe2O3-2Ti-2Fe. Metals and Materials International, 2013, 19, 543-548.	1.8	5
78	Synthesis and electrochemical characteristics of LiNi 0.5 Co 0.5 O 2 from different combinations of carbonates and oxides. Ceramics International, 2013, 39, 6937-6943.	2.3	5
79	Hydrogen desorption and absorption properties of Pd and MgO or nano-sized Ni-added MgH2+LiBH4 composites. Materials Research Bulletin, 2013, 48, 3453-3458.	2.7	15
80	Electrochemical performance of cobalt-substituted lithium nickel oxides synthesized from lithium and nickel carbonates and cobalt oxide. Ceramics International, 2013, 39, 917-923.	2.3	7
81	Synthesis of a Tiâ€"Crâ€"V alloy by pulsed current assisted reaction. Journal of Industrial and Engineering Chemistry, 2013, 19, 1267-1271.	2.9	3
82	Chargeâ€"discharge curves and discharge capacities of LiNi1âˆ'Co O2 synthesized from lithium carbonate and nickel and cobalt oxides. Ceramics International, 2013, 39, 1561-1566.	2.3	0
83	Hydrogen-storage properties of MgH2â€"10Niâ€"2NaAlH4â€"2Tiâ€"2CNT milled in a planetary ball mill under H2. Journal of Industrial and Engineering Chemistry, 2013, 19, 1963-1967.	2.9	1
84	Electrochemical characteristics of LiNi0.9Co0.1O2 synthesized at 800Â°C from the different combinations of carbonates and oxides. Ceramics International, 2013, 39, 8575-8580.	2.3	2
85	Electrochemical characteristics of LiNi0.5Co0.5O2 synthesized at 800Â°C from the different combinations of carbonates, oxides, and hydroxides. Ceramics International, 2013, 39, 5527-5533.	2.3	3
86	Improvement of hydrogen-storage properties of MgH2 by Ni, LiBH4, and Ti addition. International Journal of Hydrogen Energy, 2013, 38, 1910-1917.	3.8	36
87	Phase transformations and hydrogen-storage characteristics of Mg-transition metal-oxide alloys. Metals and Materials International, 2013, 19, 237-244.	1.8	4
88	Improvement of hydrogen-storage properties of MgH2 by addition of Li3N, LiBH4, Fe and/or Ti. Materials Research Bulletin, 2013, 48, 74-78.	2.7	9
89	Characterization of a magnesium-based alloy after hydriding-dehydriding cycling (n=1â€"150). Metals and Materials International, 2013, 19, 1139-1144.	1.8	9
90	Preparation of Mg-33Al alloy by rapid solidification process and evaluation of its hydrogen-storage properties. Metals and Materials International, 2013, 19, 1145-1149.	1.8	5

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91	Hydriding and dehydriding rates and hydrogen-storage capacity of Mgâ€“14Niâ€“3Fe2O3â€“3Ti prepared by reactive mechanical grinding. Bulletin of Materials Science, 2013, 36, 661-666.	0.8	0
92	Enhancement of Reaction Kinetics with Hydrogen in Mg by Addition of Ni and TaF5 via Reactive Mechanical Grinding. Journal of Korean Institute of Metals and Materials, 2013, 51, 051-055.	0.4	1
93	Formation of a High Pressure Form of Magnesium Hydride Î³-MgH2 by Mechanical Grinding under Low Hydrogen Pressure. Journal of Korean Institute of Metals and Materials, 2013, 51, 119-123.	0.4	12
94	Pressure-Composition Isotherms and Cycling Properties of Mg-xFe2O3-yNi Alloys. Journal of Korean Institute of Metals and Materials, 2013, 51, 455-460.	0.4	4
95	Hydrogen-Storage Property Enhancement of Magnesium Hydride by Nickel Addition via Reactive Mechanical Grinding. Journal of Korean Institute of Metals and Materials, 2013, 51, 607-613.	0.4	5
96	Hydrogen-Storage Properties of Li3N, LiBH4, Fe and/or Ti-Added Mg or MgH2. Journal of Korean Institute of Metals and Materials, 2013, 51, 615-619.	0.4	2
97	Electrochemical characteristics of cobalt-substituted lithium nickel oxides synthesized from lithium hydro-oxide and nickel and cobalt oxides. Ceramics International, 2012, 38, 6591-6597.	2.3	4
98	Comparison of lithium nickel cobalt oxides synthesized from NiO, Co3O4, and LiOHÂ·H2O or Li2CO3 by solid-state reaction method. Ceramics International, 2012, 38, 5699-5705.	2.3	3
99	Enhancement of hydrogen-storage performance of MgH2 by Mg2Ni formation and hydride-forming Ti addition. International Journal of Hydrogen Energy, 2012, 37, 18133-18139.	3.8	14
100	Variation with added material in the effects of reactive mechanical grinding and hydridingâ€“dehydriding cycling on the hydrogen-storage properties of Mg. Materials Research Bulletin, 2012, 47, 2547-2551.	2.7	2
101	Hydrogen-storage characteristics of Mgâ€“14Niâ€“6Fe2O3â€“2CNT prepared by reactive mechanical grinding. Materials Research Bulletin, 2012, 47, 4059-4064.	2.7	5
102	Synthesis of lithium LiNi1â^'yCoyO2 from lithium carbonate, nickel oxide and cobalt carbonate and their electrochemical properties. Ceramics International, 2012, 38, 5987-5991.	2.3	5
103	Hydrogen storage properties of a Ni, Fe and Ti-added Mg-based alloy. Metals and Materials International, 2012, 18, 279-286.	1.8	17
104	Cycling performance of LiNi1â^'yMyO2 (M=Ni, Ga, Al and/or Ti) synthesized by wet milling and solid-state method. Metals and Materials International, 2012, 18, 465-472.	1.8	21
105	Electrochemical properties of lithium nickel oxide synthesized by the combustion method in an O2 stream. Ceramics International, 2012, 38, 2443-2448.	2.3	8
106	Lithium nickel cobalt oxides synthesized from Li2CO3, NiO and Co3O4 by the solid-state reaction method. Ceramics International, 2012, 38, 3635-3641.	2.3	11
107	Electrochemical properties of LiNi1â^'Co O2 (y= 0.1, 0.3 and 0.5) synthesized from LiOHÂ·H2O, NiO and Co3O4 by solid state reaction method. Ceramics International, 2012, 38, 4953-4959.	2.3	3
108	Effects of Ni, Fe 2 O 3 , and CNT addition by reactive mechanical grinding on the reaction rates with H 2 of Mg-based alloys. International Journal of Hydrogen Energy, 2012, 37, 1531-1537.	3.8	10

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109	Hydrogen-storage characteristics of Cu, Nb2O5, and NbF5-added Mgâ€"Ni alloys. Materials Research Bulletin, 2012, 47, 172-178.	2.7	4
110	Electrochemical properties of LiNi1â^'yTiyO2 and LiNi0.975M0.025O2 (M=Zn, Al, and Ti) synthesized by the solid-state reaction method. Materials Research Bulletin, 2012, 47, 1021-1027.	2.7	32
111	Hydridingâ€"dehydriding cycling behavior of magnesiumâ€"nickelâ€"iron oxide alloy. Materials Research Bulletin, 2012, 47, 1191-1196.	2.7	3
112	Formation of Mg(OH)2 in Mgâ€"Niâ€"Fe2O3 alloys prepared using reactive mechanical grinding. Journal of Industrial and Engineering Chemistry, 2012, 18, 165-168.	2.9	0
113	Hydrogen storage characteristics of melt spun Mgâ€"23.5Niâ€"5Cu alloys mixed with LaNi5 and/or Nb2O5. Journal of Industrial and Engineering Chemistry, 2012, 18, 61-64.	2.9	2
114	Rate enhancement of hydrogen generation through the reaction of magnesium hydride with water by MgO addition and ball milling. Journal of Industrial and Engineering Chemistry, 2012, 18, 405-408.	2.9	24
115	Variations in the electrochemical properties of metallic elements-substituted LiNiO2 cathodes with preparation and cathode fabrication conditions. Electronic Materials Letters, 2012, 8, 37-42.	1.0	18
116	Amelioration of the reaction kinetics of Mg with hydrogen by reactive mechanical grinding with Ni, Fe2O3, Ti or Fe. Journal of Industrial and Engineering Chemistry, 2011, 17, 700-704.	2.9	2
117	Improvement in the hydrogen-storage properties of Mg by the addition of metallic elements Ni, Fe, and Ti, and an oxide Fe2O3. Materials Research Bulletin, 2011, 46, 1887-1891.	2.7	5
118	Improvement of hydriding and dehydriding rates of Mg via addition of transition elements Ni, Fe, and Ti. International Journal of Hydrogen Energy, 2011, 36, 12932-12938.	3.8	15
119	Improvement in the hydrogen storage properties of Mg by mechanical grinding with Ni, Fe and V under H2 atmosphere. International Journal of Hydrogen Energy, 2011, 36, 13587-13594.	3.8	45
120	Cycling performance of LiNi y Mn2 â^' y O4 prepared by the solid-state reaction. Russian Journal of Electrochemistry, 2011, 47, 1363-1367.	0.3	0
121	Effects of Zn or Ti substitution for Ni on the electrochemical properties of LiNiO2. Ceramics International, 2011, 37, 779-782.	2.3	11
122	Enhancement of hydrogen-storage properties of Mg by reactive mechanical grinding with oxide, metallic element(s), and hydride-forming element. Ceramics International, 2011, 37, 897-902.	2.3	9
123	Electrochemical properties of LiCoyMn2â^'yO4 synthesized using a combustion method in a voltage range of 3.5â€"5.0V. Ceramics International, 2011, 37, 2215-2220.	2.3	5
124	Hydrogen storage properties of Mg-23.5Ni-xCu prepared by rapid solidification process and crystallization heat treatment. International Journal of Hydrogen Energy, 2011, 36, 2170-2176.	3.8	7
125	Improvement of hydrogen storage characteristics of Mg by planetary ball milling under H2 with metallic element(s) and/or Fe2O3. International Journal of Hydrogen Energy, 2011, 36, 3521-3528.	3.8	6
126	Effects of fine Cr2O3 addition on Mg's hydrogen-storage performance. Journal of Industrial and Engineering Chemistry, 2011, 17, 167-169.	2.9	8

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127	Hydrogen Storage Characteristics of Melt Spun Mg-23.5Ni-xCu Alloys and Mg-23.5Ni-2.5Cu Alloy Mixed with Nb2O5 and NbF5. Journal of Korean Institute of Metals and Materials, 2011, 49, 298-303.	0.4	25
128	Synthesis of LiCo1/3Ni1/3Mn1/3O2 by a Simple Combustion Method and Electrochemical Properties. Electronic Materials Letters, 2010, 6, 91-95.	1.0	25
129	Effects of transition metal oxide and Ni addition on the hydrogen-storage properties of Mg. Journal of Materials Science, 2010, 45, 5164-5170.	1.7	7
130	Hydrogen-storage property characterization of Mgâ€"15wt%Niâ€"5wt%Fe2O3 prepared by reactive mechanical grinding. International Journal of Hydrogen Energy, 2010, 35, 13055-13061.	3.8	10
131	Hydrogen storage properties of a Mgâ€"Niâ€"Fe mixture prepared via planetary ball milling in a H2 atmosphere. International Journal of Hydrogen Energy, 2010, 35, 10366-10372.	3.8	63
132	Electrochemical properties of Li1â^'z (Ni1â^'y Fe y)1+z O2 synthesized by the combustion method in an air atmosphere. Journal of Applied Electrochemistry, 2009, 39, 617-625.	1.5	11
133	Electrochemical properties of LiNi1â^'y M y O2 (M=Ni, Ga, Al and/or Ti) cathodes synthesized by the combustion method. Journal of Applied Electrochemistry, 2009, 39, 807-814.	1.5	11
134	Synthesis and electrochemical properties of LiNi1â^'y Zn y O2. Journal of Electroceramics, 2009, 23, 447-451.	0.8	1
135	Hydrogen-storage performance of an Mgâ€"Niâ€"Fe alloy prepared by reactive mechanical grinding. Journal of Materials Science, 2009, 44, 4827-4833.	1.7	12
136	Hydrogen-storage properties of gravity cast and melt spun Mgâ€"Niâ€"Nb2O5 alloys. International Journal of Hydrogen Energy, 2009, 34, 1944-1950.	3.8	18
137	Highly Efficient Organic Light Emitting Diodes with Hole Injection Layer of Thermally Evaporated Molybdenum Oxide. Electronic Materials Letters, 2009, 5, 151-155.	1.0	4
138	Hydrogen-storage properties of Mgâ€"23.5Niâ€"(0 and 5)Cu prepared by melt spinning and crystallization heat treatment. International Journal of Hydrogen Energy, 2008, 33, 1711-1718.	3.8	79
139	Preparation by gravity casting and hydrogen-storage properties of Mgâ€"23.5wt.%Niâ€"(5, 10 and) Tj ETQq1 1 0.784314 rgBT /Overlock	2.8	25
140	Electrochemical Properties of LiNi1-yAlyO2 Cathode Materials Synthesized by Emulsion Method. Journal of the Ceramic Society of Japan, 2007, 115, 245-249.	1.3	1
141	Hydrogen-storage properties of Mgâ€"oxide alloys prepared by reactive mechanical grinding. Journal of Alloys and Compounds, 2006, 415, 266-270.	2.8	32
142	Electrochemical properties of LiNi1â^'yTiyO2 synthesized by ball milling and solid-state reaction method. Materials Research Bulletin, 2006, 41, 1720-1728.	2.7	2
143	Influences on the H2-sorption properties of Mg of Co (with various sizes) and CoO addition by reactive grinding and their thermodynamic stabilities. Metals and Materials International, 2004, 10, 69-75.	1.8	5
144	Activation of Zr0.8Ti0.2Mn0.4V0.6Ni electrode by hot-charging treatment and its cycling performance for Ni-MH secondary battery. Journal of Alloys and Compounds, 2004, 370, 307-314.	2.8	1

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145	Effects on the H2-sorption properties of Mg of Co (with various sizes) and CoO addition by reactive grinding. Journal of Alloys and Compounds, 2004, 366, 279-288.	2.8	24
146	Synthesis and superconductivity of Y2Ba1Cu1O5 and Pt added Nd1Ba2Cu3O7â^'y bulk superconductor. Metals and Materials International, 2003, 9, 479-484.	1.8	0
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