

Myoung-Youp Song

List of Publications by Year
in descending order

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156
papers

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citations

331670

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156
docs citations

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times ranked

923
citing authors

#	ARTICLE	IF	CITATIONS
1	Determination of the Activation Energy for Hydride Decomposition Using a Sieverts-Type Apparatus and the Kissinger Equation. <i>Metals</i> , 2022, 12, 265.	2.3	2
2	Study on the Variation in Microstructure of a Ferritic Stainless Steel with Surface Roughness and Thermal Cycling in Air. <i>Journal of Nanoscience and Nanotechnology</i> , 2021, 21, 4372-4382.	0.9	1
3	Hydrogen charging kinetics of Mg - 10wt% Fe ₂ O ₃ prepared via MgH ₂ -forming mechanical milling. <i>Materials Research Bulletin</i> , 2021, 140, 111304.	5.2	11
4	Development of Magnesium-Based Material with Hydrogen-Storage Capacity of 7 wt%. <i>Journal of Nanoscience and Nanotechnology</i> , 2021, 21, 4353-4361.	0.9	0
5	Improvement in the Hydrogenation and Dehydrogenation Features of Mg by Milling in Hydrogen with Vanadium Chloride. <i>Journal of Korean Institute of Metals and Materials</i> , 2021, 59, 709-717.	1.0	0
6	Improvement in the Hydrogenation and Dehydrogenation Features of Mg by Milling in Hydrogen with Vanadium Chloride. <i>Journal of Korean Institute of Metals and Materials</i> , 2021, 59, 709-717.	1.0	4
7	Improvement in Hydriding and Dehydriding Features of Mg-TaF ₅ -VCl ₃ Alloy by Adding Ni and x wt% MgH ₂ (x = 1, 5, and 10) Together with TaF ₅ and VCl ₃ . <i>Micromachines</i> , 2021, 12, 1194.	2.9	2
8	Hydriding and Dehydriding Features of a Titanium-Added Magnesium Hydride Composite. <i>Medziagotyra</i> , 2020, 26, 199-204.	0.2	1
9	Increase in the dehydrogenation rates and hydrogen-storage capacity of Mg-graphene composites by adding nickel via reactive ball milling. <i>Materials Research Bulletin</i> , 2020, 130, 110938.	5.2	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. <i>Journal of Nanoscience and Nanotechnology</i> , 2020, 20, 7105-7113.	0.9	1
11	Rate-Controlling Steps for the Hydriding Reaction of the Intermetallic Compound Mg ₂ Ni. <i>Journal of Nanoscience and Nanotechnology</i> , 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. <i>Journal of Nanoscience and Nanotechnology</i> , 2019, 19, 6580-6589.	0.9	4
13	Hydrogenation and Dehydrogenation Behaviors of Mg ₂ Ni Synthesized by Sintering Pelletized Mixtures Under an Ar Atmosphere. <i>Journal of Nanoscience and Nanotechnology</i> , 2019, 19, 6571-6579.	0.9	3
14	Increase in the Dehydrogenation Rate of Mg-CMC (Carboxymethylcellulose, Sodium Salt) by Adding Ni via Hydride-Forming Milling. <i>Metals and Materials International</i> , 2019, 25, 516-527.	3.4	8
15	Nickel, Graphene, and Yttria-Stabilized Zirconia (YSZ)-Added Mg by Grinding in Hydrogen Atmosphere for Hydrogen Storage. <i>Metals</i> , 2019, 9, 1347.	2.3	5
16	Preparation of a Mg-Based alloy with a high hydrogen-storage capacity by adding a polymer CMC via milling in a hydrogen atmosphere. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 3779-3789.	7.1	16
17	Improvement of the Hydrogen-Release Features of Mg-Graphene Composite by Adding Nickel via Reactive Ball Milling. <i>Journal of Korean Institute of Metals and Materials</i> , 2019, 57, 663-672.	1.0	6
18	Effects of Zn(BH ₄) ₂ , Ni, and/or Ti Doping on the Hydrogen-Storage Features of MgH ₂ . <i>Journal of Korean Institute of Metals and Materials</i> , 2019, 57, 176-183.	1.0	7

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19	TiCl ₃ and Ni-added Mg prepared by reactive mechanical grinding processing and comparison with Fe ₂ O ₃ and Ni-added 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.	3.4	5
21	Advancement in the Hydrogen Absorbing and Releasing Kinetics of MgH ₂ by Mixing with Small Percentages of Zn(BH ₄) ₂ and Ni. Metals and Materials International, 2018, 24, 423-432.	3.4	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.	4.8	5
23	Nucleation and growth behaviors of hydriding and dehydriding reactions of Mg ₂ Ni. Materials Research Bulletin, 2018, 99, 23-28.	5.2	12
24	Role of the Added Ni in Hydrogen-Storage Reactions of MgH ₂ -Zn(BH ₄) ₂ -Ti (Ni, Ti, or Fe) Alloys. Medziagotyra, 2018, 24, .	0.2	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.	3.4	11
26	Synthesis of a Mg-based alloy with a hydrogen-storage capacity of over 7 wt% by adding a polymer CMC via transformation-involving milling. Materials Research Bulletin, 2018, 108, 23-31.	5.2	10
27	Development of an Mg-Based Alloy with High Hydriding and Dehydriding Rates and Large Hydrogen Storage Capacity by Adding TaF ₅ . 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 TaF ₅ and VCl ₃ 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.	1.0	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.	1.0	7
32	Hydrogen Storage Properties of Mg-Graphene Composites. Journal of Korean Institute of Metals and Materials, 2018, 56, 524-531.	1.0	10
33	Hydrogen Uptake and Release Characteristics of Mg-xTaF ₅ -xVCl ₃ (x=1.25, 2.5, and 5). Journal of Korean Institute of Metals and Materials, 2018, 56, 611-619.	1.0	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.	1.0	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.	7.1	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 NaAlH ₄ and Transition Metals-Added MgH ₂ 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 MgH ₂ phase by planetary ball milling of Mg with 10 wt% MgH ₂ . Metals and Materials International, 2016, 22, 1121-1128.	3.4	4
39	Increase in Hydrogen Release Rate of MgH ₂ 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-5TaF ₅ , and Mg-5NbF ₅ Prepared via Grinding in a Hydrogen Atmosphere. Journal of Nanoscience and Nanotechnology, 2016, 16, 10508-10514.	0.9	3
41	Preparation of Mg-MgH ₂ flakes by planetary ball milling with stearic acid and their hydrogen storage properties. Metals and Materials International, 2016, 22, 544-549.	3.4	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.	1.0	6
43	MgH ₂ 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.	1.0	8
44	Study on the Reactivity with Hydrogen of Planetary Ball Milled 90 wt% Mg+10 wt% MgH ₂ : Analyses of Reaction Rates with Hydrogen and Microstructure. Journal of Korean Institute of Metals and Materials, 2016, 54, 358-363.	1.0	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.	1.0	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.	1.0	11
47	Hydriding and dehydriding rates of Mg, Mg-10TaF ₅ , and Mg-10NbF ₅ prepared via reactive mechanical grinding. Metals and Materials International, 2015, 21, 208-212.	3.4	5
48	Preparation of a sample with a single MgH ₂ phase by horizontal ball milling and the first hydriding reaction of 90 wt% Mg-10 wt% MgH ₂ . Metals and Materials International, 2015, 21, 422-428.	3.4	8
49	Development of a Mg-based hydrogen-storage material by addition of Ni and NbF ₅ via milling under hydrogen. International Journal of Hydrogen Energy, 2015, 40, 11908-11916.	7.1	28
50	Preparation of Zn(BH ₄) ₂ and diborane and hydrogen release properties of Zn(BH ₄) ₂ +xMgH ₂ (x=1, 5, 10). Journal of Korean Institute of Metals and Materials, 2015, 53, 808-814.	3.4	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.	5.8	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.	1.0	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.	1.0	2
54	Enhancement of the Hydriding and Dehydriding Rates of Mg by Adding TiCl ₃ and Reactive Mechanical Grinding. Journal of Korean Institute of Metals and Materials, 2015, 53, 187-191.	1.0	11

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55	Synthesis of Zn(BH ₄) ₂ and Gas Absorption and Release Characteristics of Zn(BH ₄) ₂ , Ni, or Ti-Added MgH ₂ -Based Alloys. Journal of Korean Institute of Metals and Materials, 2015, 53, 500-505.	1.0	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.	2.7	1
57	Hydrogen-storage properties of MgH ₂ -10Ni-2NaAlH ₄ -2Ti prepared by reactive mechanical grinding. Journal of Industrial and Engineering Chemistry, 2014, 20, 1591-1595.	5.8	5
58	Electrochemical performances of LiNiO ₂ substituted by Ti for Ni via the combustion method. Ceramics International, 2014, 40, 11131-11137.	4.8	14
59	Electrochemical performances of Li _{1+z} NiO ₂ (z=0, 0.04, 0.08, 0.10, 0.12, and 0.15) synthesized by a combustion method. Ceramics International, 2014, 40, 8585-8591.	4.8	6
60	Electrochemical properties of nano-cobalt powder prepared by chemical reduction with and without cetyltrimethylammonium bromide and carbon-coated at 500 Å°C for secondary lithium Batteries. Metals and Materials International, 2014, 20, 793-799.	3.4	3
61	Comparison of hydrogen storage properties of pure Mg and milled pure Mg. Bulletin of Materials Science, 2014, 37, 831-835.	1.7	8
62	Electrochemical properties of LiNiO ₂ cathode after TiO ₂ or ZnO addition. Ceramics International, 2014, 40, 4219-4224.	4.8	5
63	Preparation and characterization of NbF ₅ -added Mg hydrogen storage alloy. International Journal of Hydrogen Energy, 2014, 39, 16486-16492.	7.1	25
64	Electrochemical characteristics of LiNi _{0.7} Co _{0.3} O ₂ synthesized from different combinations of hydro-oxides, carbonates, and oxides at 800 Å°C. Ceramics International, 2014, 40, 81-86.	4.8	1
65	Hydrogenation and dehydrogenation rates of oxide Fe ₂ O ₃ -added magnesium, and effects of Ti addition. Ceramics International, 2014, 40, 2389-2393.	4.8	1
66	Electrochemical properties of LiNiO ₂ substituted by Al or Ti for Ni via the combustion method. Ceramics International, 2014, 40, 14141-14147.	4.8	18
67	Hydriding and Dehydriding Reactions of Mg-xTaF ₅ (x=0, 5, and 10) Prepared via Reactive Mechanical Grinding. Journal of Korean Institute of Metals and Materials, 2014, 52, 957-962.	1.0	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.	1.0	3
69	Improvement of the Reaction Rates of Mg with H ₂ by the Addition of TaF ₅ via Reactive Mechanical Grinding. Journal of Korean Institute of Metals and Materials, 2014, 52, 137-142.	1.0	5
70	Hydrogen storage properties of pure Mg. Journal of Korean Institute of Metals and Materials, 2014, 52, 293-297.	1.0	3
71	PCT Curve and Cycling Performance of MgH ₂ -Ni-NaAlH ₄ -Ti Alloy Milled under H ₂ . Journal of Korean Institute of Metals and Materials, 2014, 52, 391-396.	1.0	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.	2.2	0

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73	Study on the reactivity of MgH ₂ +MgB ₂ composites under high hydrogen pressure and high temperature. Materials Research Bulletin, 2013, 48, 1071-1075.	5.2	1
74	Synthesis of LiNi _{0.9} Co _{0.1} O ₂ from Li ₂ CO ₃ , NiO or NiCO ₃ , and CoCO ₃ or Co ₃ O ₄ and their electrochemical properties. Ceramics International, 2013, 39, 7297-7303.	4.8	3
75	Improvement of hydrogen-storage properties of MgH ₂ 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.	3.4	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.	3.4	4
77	Comparison of hydrogen-storage properties of Mg-14Ni-3Fe ₂ O ₃ -3Ti and Mg-14Ni-2Fe ₂ O ₃ -2Ti-2Fe. Metals and Materials International, 2013, 19, 543-548.	3.4	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.	4.8	5
79	Hydrogen desorption and absorption properties of Pd and MgO or nano-sized Ni-added MgH ₂ +LiBH ₄ composites. Materials Research Bulletin, 2013, 48, 3453-3458.	5.2	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.	4.8	7
81	Synthesis of a Ti-Cr-V alloy by pulsed current assisted reaction. Journal of Industrial and Engineering Chemistry, 2013, 19, 1267-1271.	5.8	3
82	Charge-discharge curves and discharge capacities of LiNi _{1-x} Co _x O ₂ synthesized from lithium carbonate and nickel and cobalt oxides. Ceramics International, 2013, 39, 1561-1566.	4.8	0
83	Hydrogen-storage properties of MgH ₂ +10Ni+2NaAlH ₄ +2Ti+2CNT milled in a planetary ball mill under H ₂ . Journal of Industrial and Engineering Chemistry, 2013, 19, 1963-1967.	5.8	1
84	Electrochemical characteristics of LiNi _{0.9} Co _{0.1} O ₂ synthesized at 800°C from the different combinations of carbonates and oxides. Ceramics International, 2013, 39, 8575-8580.	4.8	2
85	Electrochemical characteristics of LiNi _{0.5} Co _{0.5} O ₂ synthesized at 800°C from the different combinations of carbonates, oxides, and hydroxides. Ceramics International, 2013, 39, 5527-5533.	4.8	3
86	Improvement of hydrogen-storage properties of MgH ₂ by Ni, LiBH ₄ , and Ti addition. International Journal of Hydrogen Energy, 2013, 38, 1910-1917.	7.1	36
87	Phase transformations and hydrogen-storage characteristics of Mg-transition metal-oxide alloys. Metals and Materials International, 2013, 19, 237-244.	3.4	4
88	Improvement of hydrogen-storage properties of MgH ₂ by addition of Li ₃ N, LiBH ₄ , Fe and/or Ti. Materials Research Bulletin, 2013, 48, 74-78.	5.2	9
89	Characterization of a magnesium-based alloy after hydriding-dehydriding cycling (n=1-150). Metals and Materials International, 2013, 19, 1139-1144.	3.4	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.	3.4	5

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91	Hydriding and dehydriding rates and hydrogen-storage capacity of $\text{Mg} \cdot \frac{1}{3}\text{Fe}_2\text{O}_3 \cdot \frac{1}{3}\text{Ti}$ prepared by reactive mechanical grinding. Bulletin of Materials Science, 2013, 36, 661-666.	1.7	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.	1.0	1
93	Formation of a High Pressure Form of Magnesium Hydride $\beta\text{-MgH}_2$ by Mechanical Grinding under Low Hydrogen Pressure. Journal of Korean Institute of Metals and Materials, 2013, 51, 119-123.	1.0	12
94	Pressure-Composition Isotherms and Cycling Properties of $\text{Mg-xFe}_2\text{O}_3\text{-yNi}$ Alloys. Journal of Korean Institute of Metals and Materials, 2013, 51, 455-460.	1.0	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.	1.0	5
96	Hydrogen-Storage Properties of Li_3N , LiBH_4 , Fe and/or Ti-Added Mg or MgH_2 . Journal of Korean Institute of Metals and Materials, 2013, 51, 615-619.	1.0	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.	4.8	4
98	Comparison of lithium nickel cobalt oxides synthesized from NiO , Co_3O_4 , and $\text{LiOH} \cdot \text{H}_2\text{O}$ or Li_2CO_3 by solid-state reaction method. Ceramics International, 2012, 38, 5699-5705.	4.8	3
99	Enhancement of hydrogen-storage performance of MgH_2 by Mg_2Ni formation and hydride-forming Ti addition. International Journal of Hydrogen Energy, 2012, 37, 18133-18139.	7.1	14
100	Variation with added material in the effects of reactive mechanical grinding and hydriding-dehydriding cycling on the hydrogen-storage properties of Mg. Materials Research Bulletin, 2012, 47, 2547-2551.	5.2	2
101	Hydrogen-storage characteristics of $\text{Mg} \cdot \frac{1}{3}\text{Ni} \cdot \frac{1}{3}\text{Fe}_2\text{O}_3 \cdot \frac{1}{3}\text{CNT}$ prepared by reactive mechanical grinding. Materials Research Bulletin, 2012, 47, 4059-4064.	5.2	5
102	Synthesis of lithium $\text{LiNi}_{1-\gamma}\text{Co}_\gamma\text{O}_2$ from lithium carbonate, nickel oxide and cobalt carbonate and their electrochemical properties. Ceramics International, 2012, 38, 5987-5991.	4.8	5
103	Hydrogen storage properties of a Ni, Fe and Ti-added Mg-based alloy. Metals and Materials International, 2012, 18, 279-286.	3.4	17
104	Cycling performance of $\text{LiNi}_{1-\gamma}\text{M}_\gamma\text{O}_2$ ($\text{M}=\text{Ni}$, Ga, Al and/or Ti) synthesized by wet milling and solid-state method. Metals and Materials International, 2012, 18, 465-472.	3.4	21
105	Electrochemical properties of lithium nickel oxide synthesized by the combustion method in an O_2 stream. Ceramics International, 2012, 38, 2443-2448.	4.8	8
106	Lithium nickel cobalt oxides synthesized from Li_2CO_3 , NiO and Co_3O_4 by the solid-state reaction method. Ceramics International, 2012, 38, 3635-3641.	4.8	11
107	Electrochemical properties of $\text{LiNi}_{1-\gamma}\text{Co}_\gamma\text{O}_2$ ($\gamma = 0.1, 0.3$ and 0.5) synthesized from $\text{LiOH} \cdot \text{H}_2\text{O}$, NiO and Co_3O_4 by solid state reaction method. Ceramics International, 2012, 38, 4953-4959.	4.8	3
108	Effects of Ni, Fe_2O_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.	7.1	10

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109	Hydrogen-storage characteristics of Cu, Nb ₂ O ₅ , and NbF ₅ -added Mg-Ni alloys. Materials Research Bulletin, 2012, 47, 172-178.	5.2	4
110	Electrochemical properties of LiNi _{1-x} Ti _y O ₂ and LiNi _{0.975} M _{0.025} O ₂ (M=Zn, Al, and Ti) synthesized by the solid-state reaction method. Materials Research Bulletin, 2012, 47, 1021-1027.	5.2	32
111	Hydriding-dehydriding cycling behavior of magnesium-nickel-iron oxide alloy. Materials Research Bulletin, 2012, 47, 1191-1196.	5.2	3
112	Formation of Mg(OH) ₂ in Mg-Ni-Fe ₂ O ₃ alloys prepared using reactive mechanical grinding. Journal of Industrial and Engineering Chemistry, 2012, 18, 165-168.	5.8	0
113	Hydrogen storage characteristics of melt spun Mg-23.5Ni-5Cu alloys mixed with LaNi ₅ and/or Nb ₂ O ₅ . Journal of Industrial and Engineering Chemistry, 2012, 18, 61-64.	5.8	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.	5.8	24
115	Variations in the electrochemical properties of metallic elements-substituted LiNiO ₂ cathodes with preparation and cathode fabrication conditions. Electronic Materials Letters, 2012, 8, 37-42.	2.2	18
116	Amelioration of the reaction kinetics of Mg with hydrogen by reactive mechanical grinding with Ni, Fe ₂ O ₃ , Ti or Fe. Journal of Industrial and Engineering Chemistry, 2011, 17, 700-704.	5.8	2
117	Improvement in the hydrogen-storage properties of Mg by the addition of metallic elements Ni, Fe, and Ti, and an oxide Fe ₂ O ₃ . Materials Research Bulletin, 2011, 46, 1887-1891.	5.2	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.	7.1	15
119	Improvement in the hydrogen storage properties of Mg by mechanical grinding with Ni, Fe and V under H ₂ atmosphere. International Journal of Hydrogen Energy, 2011, 36, 13587-13594.	7.1	45
120	Cycling performance of LiNi _{1-y} Mn _{2x} O ₄ prepared by the solid-state reaction. Russian Journal of Electrochemistry, 2011, 47, 1363-1367.	0.9	0
121	Effects of Zn or Ti substitution for Ni on the electrochemical properties of LiNiO ₂ . Ceramics International, 2011, 37, 779-782.	4.8	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.	4.8	9
123	Electrochemical properties of LiCo _y Mn _{2-x} O ₄ synthesized using a combustion method in a voltage range of 3.5-5.0V. Ceramics International, 2011, 37, 2215-2220.	4.8	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.	7.1	7
125	Improvement of hydrogen storage characteristics of Mg by planetary ball milling under H ₂ with metallic element(s) and/or Fe ₂ O ₃ . International Journal of Hydrogen Energy, 2011, 36, 3521-3528.	7.1	6
126	Effects of fine Cr ₂ O ₃ addition on Mg's hydrogen-storage performance. Journal of Industrial and Engineering Chemistry, 2011, 17, 167-169.	5.8	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 Nb ₂ O ₅ and NbF ₅ . Journal of Korean Institute of Metals and Materials, 2011, 49, 298-303.	1.0	25
128	Synthesis of LiCo _{1/3} Ni _{1/3} Mn _{1/3} O ₂ by a Simple Combustion Method and Electrochemical Properties. Electronic Materials Letters, 2010, 6, 91-95.	2.2	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.	3.7	7
130	Hydrogen-storage property characterization of Mgâ€“15wt%Niâ€“5wt%Fe ₂ O ₃ prepared by reactive mechanical grinding. International Journal of Hydrogen Energy, 2010, 35, 13055-13061.	7.1	10
131	Hydrogen storage properties of a Mgâ€“Niâ€“Fe mixture prepared via planetary ball milling in a H ₂ atmosphere. International Journal of Hydrogen Energy, 2010, 35, 10366-10372.	7.1	63
132	Electrochemical properties of Li _{1-âˆšz} (Ni _{1-âˆšy} Fe _y) _{1+z} O ₂ synthesized by the combustion method in an air atmosphere. Journal of Applied Electrochemistry, 2009, 39, 617-625.	2.9	11
133	Electrochemical properties of LiNi _{1-âˆšy} M _y O ₂ (M=Ni, Ga, Al and/or Ti) cathodes synthesized by the combustion method. Journal of Applied Electrochemistry, 2009, 39, 807-814.	2.9	11
134	Synthesis and electrochemical properties of LiNi _{1-âˆšy} Zn _y O ₂ . Journal of Electroceramics, 2009, 23, 447-451.	2.0	1
135	Hydrogen-storage performance of an Mgâ€“Niâ€“Fe alloy prepared by reactive mechanical grinding. Journal of Materials Science, 2009, 44, 4827-4833.	3.7	12
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#	ARTICLE	IF	CITATIONS
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