

Nobuko Hanada

List of Publications by Year in descending order

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45
papers

2,721
citations

331642

21
h-index

289230

40
g-index

47
all docs

47
docs citations

47
times ranked

1771
citing authors

#	ARTICLE	IF	CITATIONS
19	A hydrogen purification and storage system using CO adsorbent and metal hydride. <i>Journal of Alloys and Compounds</i> , 2013, 580, S414-S417.	5.5	34
20	Electrochemical charge and discharge properties for the formation of magnesium and aluminum hydrides. <i>Journal of Alloys and Compounds</i> , 2011, 509, S584-S587.	5.5	21
21	Effects of deformation on hydrogen absorption and desorption properties of titanium. <i>Journal of Alloys and Compounds</i> , 2011, 509, S759-S762.	5.5	4
22	Existing State of Hydrogen in Electrochemically Charged Commercial-Purity Aluminum and Its Effects on Tensile Properties. <i>Materials Transactions</i> , 2011, 52, 1741-1747.	1.2	9
23	Effect of several metal chlorides on the thermal decomposition behaviour of $\text{Mg}(\text{BH}_4)_2$. <i>International Journal of Hydrogen Energy</i> , 2011, 36, 12313-12318.	7.1	61
24	The Existing State of Hydrogen in Electrochemically Charged Commercial Purity Aluminum and Its Effect on the Tensile Properties. <i>Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals</i> , 2010, 74, 65-71.	0.4	3
25	Hydrogen generation by electrolysis of liquid ammonia. <i>Chemical Communications</i> , 2010, 46, 7775.	4.1	55
26	Electrochemical Charge for the Formation of Metal Hydrides from $\text{LiH}+\text{M}$ (M=Mg, Al). <i>Materials Research Society Symposia Proceedings</i> , 2009, 1216, 1.	0.1	0
27	X-ray Absorption Spectroscopic Study on Valence State and Local Atomic Structure of Transition Metal Oxides Doped in MgH_2 . <i>Journal of Physical Chemistry C</i> , 2009, 113, 13450-13455.	3.1	64
28	Evaluation of enthalpy change due to hydrogen desorption for lithium amide/imide system by differential scanning calorimetry. <i>Thermochimica Acta</i> , 2008, 468, 35-38.	2.7	24
29	SEM and TEM characterization of magnesium hydride catalyzed with Ni nano-particle or Nb_2O_5 . <i>Journal of Alloys and Compounds</i> , 2008, 450, 395-399.	5.5	73
30	Thermal decomposition of $\text{Mg}(\text{BH}_4)_2$ under He flow and H_2 pressure. <i>Journal of Materials Chemistry</i> , 2008, 18, 2611.	6.7	103
31	Comparison of the Calculated and Experimental Scenarios for Solid-State Reactions Involving $\text{Ca}(\text{AlH}_4)_2$. <i>Journal of Physical Chemistry C</i> , 2008, 112, 131-138.	3.1	16
32	Hydrogen absorption kinetics of the catalyzed MgH_2 by niobium oxide. <i>Journal of Alloys and Compounds</i> , 2007, 446-447, 67-71.	5.5	58
33	Thermal analysis on the $\text{Li}-\text{Mg}-\text{H}$ systems. <i>Journal of Alloys and Compounds</i> , 2007, 446-447, 306-309.	5.5	74
34	Remarkable improvement of hydrogen sorption kinetics in magnesium catalyzed with Nb_2O_5 . <i>Journal of Alloys and Compounds</i> , 2006, 420, 46-49.	5.5	231
35	Catalytic effect of niobium oxide on hydrogen storage properties of mechanically ball milled MgH_2 . <i>Physica B: Condensed Matter</i> , 2006, 383, 49-50.	2.7	27
36	Composite Materials based on Light Elements for Hydrogen Storage. <i>Materials Transactions</i> , 2005, 46, 1-14.	1.2	79

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37	Catalytic Effect of Nanoparticle 3d-Transition Metals on Hydrogen Storage Properties in Magnesium Hydride MgH ₂ Prepared by Mechanical Milling. Journal of Physical Chemistry B, 2005, 109, 7188-7194.	2.6	518
38	New Metal-N-H System Composed of Mg(NH ₂) ₂ and LiH for Hydrogen Storage. Journal of Physical Chemistry B, 2004, 108, 8763-8765.	2.6	309
39	New Metal-N-H System Composed of Mg(NH ₂) ₂ and LiH for Hydrogen Storage.. ChemInform, 2004, 35, no.	0.0	0
40	Mechanism of Novel Reaction from LiNH ₂ and LiH to Li ₂ NH and H ₂ as a Promising Hydrogen Storage System.. ChemInform, 2004, 35, no.	0.0	1
41	Mechanism of Novel Reaction from LiNH ₂ and LiH to Li ₂ NH and H ₂ as a Promising Hydrogen Storage System. Journal of Physical Chemistry B, 2004, 108, 7887-7892.	2.6	296
42	Lithium nitride for reversible hydrogen storage. Journal of Alloys and Compounds, 2004, 365, 271-276.	5.5	305
43	Correlation between hydrogen storage properties and structural characteristics in mechanically milled magnesium hydride MgH ₂ . Journal of Alloys and Compounds, 2004, 366, 269-273.	5.5	112
44	Hydriding properties of ordered-/disordered-Mg-based ternary Laves phase structures. Journal of Alloys and Compounds, 2003, 356-357, 429-432.	5.5	22
45	Hydriding Properties of Mg-based Ternary Laves Phase Alloys with Ordered and Disordered Structures. Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals, 2002, 66, 466-469.	0.4	0