Kenji Iwase

List of Publications by Year
in descending order

29	361	840776 11	794594 19
papers	citations	h-index	g-index

29	29	29	146
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Effect of Co substitution on hydrogenation behavior of GdNi3-Co (x = 0, 0.2, 1.0) and crystal structure of its hydride phases. International Journal of Hydrogen Energy, 2022, 47, 3961-3971.	7.1	0
2	Crystal structure of intermetallic compound Y5Co19 and its hydride phases. International Journal of Hydrogen Energy, 2021, 46, 9142-9150.	7.1	3
3	Commissioning of Versatile Compact Neutron Diffractometer (VCND) at the B-3 Beam Port of Kyoto University Research Reactor (KUR). , 2021, , .		0
4	Hydrogenation characteristics of Ce2Ni7-type La2Co7 and its phase transformation during hydrogen absorptionâ€“desorption processes. Journal of Solid State Chemistry, 2021, 299, 122201.	2.9	4
5	Crystallographic hydride phase analysis and hydrogenation properties of Gd2Co7 with Ce2Ni7- and Er2Co7-type structures. International Journal of Hydrogen Energy, 2020, 45, 27413-27420.	7.1	3
6	Crystal Structure, Microhardness, and Toughness of Biomineral CaCO₃. Crystal Growth and Design, 2020, 20, 2091-2098.	3.0	12
7	Crystal structure and hydrogen absorptionâ^' desorption property of La5Co19. International Journal of Hydrogen Energy, 2019, 44, 23172-23178.	7.1	7
8	Effect of Mg substitution on crystalline structure and hydrogenation of Gd4MgNi19. International Journal of Hydrogen Energy, 2018, 43, 1675-1680.	7.1	1
9	Phase transition and hydrogenation properties of Ce2Ni7-type Pr2Co7 during the hydrogen absorption process. International Journal of Hydrogen Energy, 2018, 43, 11100-11108.	7.1	7
10	Crystal Structure of Pr₃MgNi₁₄D_x Studied by in Situ Neutron Diffraction. Inorganic Chemistry, 2017, 56, 6933-6937.	4.0	2
11	Effect of Mg substitution on crystal structure and hydrogenation of Ce 2 Ni 7 -type Pr 2 Ni 7. Journal of Solid State Chemistry, 2017, 247, 142-146.	2.9	8
12	Synthesis of PuNi3-type PrCo3 and its hydrogen absorptionâ€“desorption property. International Journal of Hydrogen Energy, 2016, 41, 14788-14794.	7.1	4
13	Structural change of NdNi3 during hydrogen absorption-desorption cycle. International Journal of Hydrogen Energy, 2016, 41, 3940-3945.	7.1	7
14	Effect of Mg substitution on hydrogen absorptionâ€“desorption behavior and crystal structure of Gd 2â^'x Mg x Ni 7. International Journal of Hydrogen Energy, 2016, 41, 1074-1079.	7.1	1
15	Crystal Structure Analysis of La₂Ni₆CoD_x During Deuterium Absorption Process. Inorganic Chemistry, 2015, 54, 8650-8655.	4.0	1
16	Effects of Mg substitution on crystal structure and hydrogenation properties of Pr1â^'Mg Ni3. International Journal of Hydrogen Energy, 2014, 39, 12773-12777.	7.1	18
17	Surface Observation of LaNi₅ under Deuterium Atmosphere Using Small-Angle Neutron Scattering. Materials Transactions, 2014, 55, 1643-1646.	1.2	3
18	In Situ XRD Study of La2Ni7HxDuring Hydrogen Absorptionâ€“Desorption. Inorganic Chemistry, 2013, 52, 10105-10111.	4.0	19

#	Article	IF	Citations
19	Crystal Structure and Cyclic Hydrogenation Property of Pr₄MgNi₁₉. Inorganic Chemistry, 2013, 52, 14270-14274.	4.0	10
20	Crystal structure and hydrogen storage property of Nd2Ni7 superlattice alloy. International Journal of Hydrogen Energy, 2013, 38, 5316-5321.	7.1	14
21	Structural Parameters of Pr₃MgNi₁₄ during Hydrogen Absorptionâ€“Desorption Process. Inorganic Chemistry, 2012, 51, 11805-11810.	4.0	16
22	Crystal structure of GdNi3 with superlattice alloy and its hydrogen absorptionâ€“desorption property. International Journal of Hydrogen Energy, 2012, 37, 15170-15174.	7.1	15
23	Crystal structure and cyclic properties of hydrogen absorptionâ€“desorption in Pr2MgNi9. International Journal of Hydrogen Energy, 2012, 37, 18095-18100.	7.1	25
24	Hydrogenation and structural properties of Gd2Ni7 with superlattice structure. International Journal of Hydrogen Energy, 2012, 37, 5122-5127.	7.1	20
25	Synthesis of New Compound Gd₅Ni₁₉ with a Superlattice Structure and Hydrogen Absorption Properties. Inorganic Chemistry, 2011, 50, 11631-11635.	4.0	20
26	Synthesis and Crystal Structure of a Pr5Ni19Superlattice Alloy and Its Hydrogen Absorptionâ€“Desorption Property. Inorganic Chemistry, 2011, 50, 4548-4552.	4.0	28
27	Development of sample holder for in situ neutron measurement of hydrogen absorbing alloy. International Journal of Hydrogen Energy, 2011, 36, 3062-3066.	7.1	9
28	Phase Transformation and Crystal Structure of La₂Ni₇H_x Studied by in situ X-ray Diffraction. Inorganic Chemistry, 2010, 49, 8763-8768.	4.0	33
29	Structural Study of La₄MgNi₁₉ Hydride by In Situ X-ray and Neutron Powder Diffraction. Journal of Physical Chemistry C, 2009, 113, 5853-5859.	3.1	71