

Krystyna Giza

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Evaluation of electrochemical hydrogenation and corrosion behavior of LaNi ₅ -based materials using galvanostatic charge/discharge measurements. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 16817-16822.	3.8	38
2	Hydrogen absorption and corrosion resistance of LaNi _{4.8} Al _{0.2} and LaNi _{4.8} Al _{0.1} Li _{0.1} alloys. <i>Journal of Alloys and Compounds</i> , 2007, 429, 352-356.	2.8	34
3	Thermodynamical properties of La-Ni-T (T=Mg, Bi and Sb) hydrogen storage systems. <i>Journal of Power Sources</i> , 2008, 181, 38-40.	4.0	28
4	Hydrogen diffusivity, kinetics of H ₂ O/H ₂ charge transfer and corrosion properties of LaNi ₅ -powder, composite electrodes in 6M KOH solution. <i>Journal of Solid State Electrochemistry</i> , 2014, 18, 3039-3048.	1.2	25
5	Electrochemical studies of LaNi _{4.3} Co _{0.4} Al _{0.3} hydrogen storage alloy. <i>Intermetallics</i> , 2013, 34, 128-131.	1.8	22
6	Hydrogen absorption properties of ZrNi _{5-x} Co _x alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2001, 303, 158-162.	2.6	21
7	Determination of hydrogenation ability and exchange current of H ₂ O/H ₂ system on hydrogen-absorbing metal alloys. <i>Journal of Applied Electrochemistry</i> , 2010, 40, 791-797.	1.5	19
8	Thermodynamic and electrochemical hydrogenation properties of LaNi _{5-x} In _x alloys. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 15850-15854.	3.8	17
9	Hydrogenation behaviour of La _{0.5} R _{0.5} Ni _{4.8} Al _{0.1} Li _{0.1} (R=La, Ce, Pr or Nd) alloys. <i>International Journal of Hydrogen Energy</i> , 2009, 34, 913-915.	3.8	14
10	Preparation and electrochemical properties of La ₂ MgNi ₈ Co _{1-x} M (M = Al or In; x= 0 or 0.2) hydrogen storage alloys. <i>Journal of Alloys and Compounds</i> , 2015, 645, S490-S495.	2.8	11
11	Effect of preparation method of metal hydride electrode on efficiency of hydrogen electrosorption process. <i>International Journal of Materials Research</i> , 2016, 107, 103-108.	0.1	9
12	Electrochemical hydrogenation and corrosion behaviour of LaCo _{4.8-x} M _{0.2-x} alloys. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2009, 60, 29-33.	0.8	7
13	Gas phase hydrogen absorption and electrochemical performance of La ₂ (Ni,Co,Mg,M) ₁₀ based alloys. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 2423-2429.	3.8	7
14	Electrochemical corrosion characteristics of ZrNi _{5-x} Co _x alloys. <i>Corrosion Science</i> , 2003, 45, 2055-2062.	3.0	6
15	Electrochemical characteristics of ZrNi _{4.8} Mo _{0.2} alloys in strong alkaline solution. <i>Materials Chemistry and Physics</i> , 2009, 114, 742-745.	2.0	6
16	Electrochemical preparation of composite coatings of 3,4-etylenodioxythiophene (EDOT) and 4-(pyrrole-1-yl) benzoic acid (PyBA) with heteropolyanions. <i>Materials Chemistry and Physics</i> , 2014, 144, 418-424.	2.0	6
17	Corrosion resistance of the Fe-Al-C permanent magnet alloy. <i>Intermetallics</i> , 1998, 6, 357-362.	1.8	4
18	Pitting corrosion of ZrNi _{5-x} Co _x alloys in alkaline solution. <i>Materials Chemistry and Physics</i> , 2004, 83, 120-123.	2.0	4

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19	Influence of the synthesis route on hydrogen sorption properties of La ₂ MgNi ₇ Co ₂ alloy. International Journal of Hydrogen Energy, 2020, 45, 1492-1498.	3.8	4
20	The Effect of Welding Methods on the Corrosion Resistance of 304 Stainless Steel Joints. Acta Physica Polonica A, 2019, 135, 232-235.	0.2	4
21	Electrochemical Hydrogenation and Corrosion Behaviour of LaNi _{5-x} Gex (x = 0.3 and 0.6) Alloys. Energies, 2021, 14, 5285.	1.6	2
22	Evaluation of the influence of Cu ₂ O addition on electrochemical properties of LaNi ₅ hydrogen storage alloy. Ochrona Przed Korozja, 2018, 1, 4-8.	0.1	2
23	Influence of H ₃ PW ₁₂ O ₄₀ on electrochemical properties of LaCo _{4.8} Bi _{0.2} alloy. Open Chemistry, 2013, 11, 330-334.	1.0	1
24	Communication – A New Catalytic Application of $\text{H}_3\text{PMo}_{12}\text{O}_{40}$ in the Performance of Hydride Electrode for Ni-MH Battery. Journal of the Electrochemical Society, 2019, 166, A3332-A3334.	1.3	1
25	Electrochemical properties of LaNi _{4.2} Co _{0.4} Zn _{0.1} Al _{0.3} and LaNi _{4.3} Co _{0.4} Zn _{0.1} Al _{0.2} alloys as anode materials for Ni-MH batteries. Materialpruefung/Materials Testing, 2017, 59, 598-601.	0.8	1
26	Hydrogen sorption and corrosion properties of La ₂ Ni ₉ CoSn _{0.2} alloy. International Journal of Materials Research, 2018, 109, 99-104.	0.1	0