

Marcello Baricco

List of Publications by Year in descending order

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306
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87723

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316
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docs citations

316
times ranked

4464
citing authors

#	ARTICLE	IF	CITATIONS
1	Environmental and economic assessment of hydrogen compression with the metal hydride technology. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 10122-10136.	3.8	8
2	Solidification Calculations of Precious Alloys and Al-Base Alloys for Additive Manufacturing. <i>Metals</i> , 2022, 12, 322.	1.0	1
3	A Review of Mechanical and Chemical Sensors for Automotive Li-Ion Battery Systems. <i>Sensors</i> , 2022, 22, 1763.	2.1	8
4	Environmental assessment of rubber recycling through an innovative thermo-mechanical devulcanization process using a co-rotating twin-screw extruder. <i>Journal of Cleaner Production</i> , 2022, 348, 131352.	4.6	9
5	Metallic and complex hydride-based electrochemical storage of energy. <i>Progress in Energy</i> , 2022, 4, 032001.	4.6	26
6	Itinerant magnetism, electronic properties and half-metallicity of Co ₂ ZrSn and Co ₂ HfSn Heusler alloys. <i>Journal of Alloys and Compounds</i> , 2022, 918, 165464.	2.8	3
7	Hydrogen storage in complex hydrides: past activities and new trends. <i>Progress in Energy</i> , 2022, 4, 032009.	4.6	23
8	Magnesium- and intermetallic alloys-based hydrides for energy storage: modelling, synthesis and properties. <i>Progress in Energy</i> , 2022, 4, 032007.	4.6	29
9	Research and development of hydrogen carrier based solutions for hydrogen compression and storage. <i>Progress in Energy</i> , 2022, 4, 042005.	4.6	14
10	Assessment of the environmental break-even point for deposit return systems through an LCA analysis of single-use and reusable cups. <i>Sustainable Production and Consumption</i> , 2021, 27, 228-241.	5.7	33
11	Room-Temperature Solid-State Lithium-Ion Battery Using a LiBH ₄ /MgO Composite Electrolyte. <i>ACS Applied Energy Materials</i> , 2021, 4, 1228-1236.	2.5	45
12	Simulation of nanosizing effects in the decomposition of Ca(BH ₄) ₂ through atomistic thin film models. <i>Research on Chemical Intermediates</i> , 2021, 47, 345-356.	1.3	7
13	Detection of Lithium Plating in Li-Ion Cell Anodes Using Realistic Automotive Fast-Charge Profiles. <i>Batteries</i> , 2021, 7, 46.	2.1	13
14	Theoretical and Experimental Studies of LiBH ₄ /LiBr Phase Diagram. <i>ACS Applied Energy Materials</i> , 2021, 4, 7327-7337.	2.5	12
15	Solid-State Hydrogen Storage Systems and the Relevance of a Gender Perspective. <i>Energies</i> , 2021, 14, 6158.	1.6	10
16	Substitutional effects in TiFe for hydrogen storage: a comprehensive review. <i>Materials Advances</i> , 2021, 2, 2524-2560.	2.6	90
17	Heat capacity and thermodynamic properties of alkali and alkali-earth borohydrides. <i>Journal of Chemical Thermodynamics</i> , 2020, 143, 106055.	1.0	9
18	Materials for hydrogen-based energy storage – past, recent progress and future outlook. <i>Journal of Alloys and Compounds</i> , 2020, 827, 153548.	2.8	518

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19	Metal (boro-) hydrides for high energy density storage and relevant emerging technologies. International Journal of Hydrogen Energy, 2020, 45, 33687-33730.	3.8	53
20	Combined DFT and geometrical "topological analysis of Li-ion conductivity in complex hydrides. Inorganic Chemistry Frontiers, 2020, 7, 3115-3125.	3.0	17
21	Achieving accurate estimates of fetal gestational age and personalised predictions of fetal growth based on data from an international prospective cohort study: a population-based machine learning study. The Lancet Digital Health, 2020, 2, e368-e375.	5.9	40
22	Role of secondary phases and thermal cycling on thermoelectric properties of TiNiSn half-Heusler alloy prepared by different processing routes. Intermetallics, 2020, 127, 106988.	1.8	13
23	Enhancing Li-Ion Conductivity in LiBH ₄ -Based Solid Electrolytes by Adding Various Nanosized Oxides. ACS Applied Energy Materials, 2020, 3, 4941-4948.	2.5	61
24	Synthesis and Characterization of Thermoelectric Co ₂ XSn (X = Zr, Hf) Heusler Alloys. Metals, 2020, 10, 624.	1.0	7
25	Synthesis and characterization of Magnesium-Iron-Cobalt complex hydrides. Scientific Reports, 2020, 10, 9000.	1.6	11
26	Metal Hydrides and Related Materials. Energy Carriers for Novel Hydrogen and Electrochemical Storage. Journal of Physical Chemistry C, 2020, 124, 7599-7607.	1.5	52
27	Hydrogen Desorption in Mg(BH ₄) ₂ -Ca(BH ₄) ₂ System. Energies, 2019, 12, 3230.	1.6	14
28	Magnesium based materials for hydrogen based energy storage: Past, present and future. International Journal of Hydrogen Energy, 2019, 44, 7809-7859.	3.8	460
29	Crowdsensing for a sustainable comfort and for energy saving. Energy and Buildings, 2019, 186, 208-220.	3.1	18
30	Phase Stability and Fast Ion Conductivity in the Hexagonal LiBH ₄ •LiBr•LiCl Solid Solution. Chemistry of Materials, 2019, 31, 5133-5144.	3.2	42
31	Effect of rapid solidification on the synthesis and thermoelectric properties of Yb-filled Co ₄ Sb ₁₂ skutterudite. Journal of Alloys and Compounds, 2019, 796, 33-41.	2.8	15
32	Exploring Ternary and Quaternary Mixtures in the LiBH ₄ •NaBH ₄ •KBH ₄ •Mg(BH ₄) ₂ •Ca(BH ₄) ₂ System. ChemPhysChem, 2019, 20, 1348-1359.	1.0	1
33	Application of hydrides in hydrogen storage and compression: Achievements, outlook and perspectives. International Journal of Hydrogen Energy, 2019, 44, 7780-7808.	3.8	486
34	Complex hydrides for energy storage. International Journal of Hydrogen Energy, 2019, 44, 7860-7874.	3.8	123
35	Role of hydrogen tanks in the life cycle assessment of fuel cell-based auxiliary power units. Applied Energy, 2018, 215, 1-12.	5.1	35
36	Fuel cell powered octocopter for inspection of mobile cranes: Design, cost analysis and environmental impacts. Applied Energy, 2018, 215, 556-565.	5.1	37

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37	Structure, microstructure and microhardness of rapidly solidified $\text{Sm}_{1-x}\text{Fe}_x\text{Ni}_{1-x}\text{Sb}_{12}$ ($x = 0.45$). <i>TJ ETQ</i> , 2017, 1, 0.784314	1.5	15
38	Experimental Assessment of Lithium Hydride's Space Radiation Shielding Performance and Monte Carlo Benchmarking. <i>Radiation Research</i> , 2018, 191, 154.	0.7	17
39	Thermoelectric Properties of TiNiSn Half Heusler Alloy Obtained by Rapid Solidification and Sintering. <i>Journal of Materials Engineering and Performance</i> , 2018, 27, 6306-6313.	1.2	15
40	Phase stability and hydrogen desorption in a quinary equimolar mixture of light-metals borohydrides. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 16793-16803.	3.8	19
41	Reactive Hydride Composite of Mg_2NiH_4 with Borohydrides Eutectic Mixtures. <i>Crystals</i> , 2018, 8, 90.	1.0	14
42	SSH2S: Hydrogen storage in complex hydrides for an auxiliary power unit based on high temperature proton exchange membrane fuel cells. <i>Journal of Power Sources</i> , 2017, 342, 853-860.	4.0	47
43	Study of the decomposition of a $0.62\text{LiBH}_4 - 0.38\text{NaBH}_4$ mixture. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 22480-22488.	3.8	22
44	$\text{Li}_5(\text{BH}_4)_3\text{NH}$: Lithium-Rich Mixed Anion Complex Hydride. <i>Journal of Physical Chemistry C</i> , 2017, 121, 11069-11075.	1.5	16
45	Preparation of Li-Mg-N-H hydrogen storage materials for an auxiliary power unit. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 17144-17148.	3.8	13
46	Phase diagrams of the $\text{LiBH}_4 - \text{NaBH}_4 - \text{KBH}_4$ system. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 25071-25079.	1.3	20
47	Nanoporous Microtubes via Oxidation and Reduction of Cu-Ni Commercial Wires. <i>Metals</i> , 2017, 7, 46.	1.0	1
48	Case Studies of Energy Storage with Fuel Cells and Batteries for Stationary and Mobile Applications. <i>Challenges</i> , 2017, 8, 9.	0.9	21
49	Effects of Rapid Solidification on Phase Formation and Microstructure Evolution of AgSbTe_2 -Based Thermoelectric Compounds. <i>Journal of Nanoscience and Nanotechnology</i> , 2017, 17, 1650-1656.	0.9	4
50	Developments in the Ni-Nb-Zr amorphous alloy membranes. <i>Applied Physics A: Materials Science and Processing</i> , 2016, 122, 1.	1.1	27
51	Solid-state NMR and thermodynamic investigations on $\text{LiBH}_4\text{LiNH}_2$ system. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 14475-14483.	3.8	17
52	A comparison of energy storage from renewable sources through batteries and fuel cells: A case study in Turin, Italy. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 21427-21438.	3.8	45
53	$\text{KNH}_2 - \text{KH}$: a metal amide-hydride solid solution. <i>Chemical Communications</i> , 2016, 52, 11760-11763.	2.2	14
54	A thermodynamic investigation of the $\text{LiBH}_4 - \text{NaBH}_4$ system. <i>RSC Advances</i> , 2016, 6, 60101-60108.	1.7	23

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55	Full dense CoSb 3 single phase with high thermoelectric performance prepared by oscillated cooling method. Scripta Materialia, 2016, 113, 110-113.	2.6	13
56	Nanoporous microtubes obtained from a Cu-Ni metallic wire. Metals and Materials International, 2016, 22, 305-310.	1.8	3
57	Complex and liquid hydrides for energy storage. Applied Physics A: Materials Science and Processing, 2016, 122, 1.	1.1	81
58	Spectroscopic and Structural Characterization of Thermal Decomposition of $\text{Mg}(\text{BH}_4)_2$: Dynamic Vacuum versus H_2 Atmosphere. Journal of Physical Chemistry C, 2015, 119, 25340-25351.	1.5	35
59	Combined X-ray and Raman Studies on the Effect of Cobalt Additives on the Decomposition of Magnesium Borohydride. Energies, 2015, 8, 9173-9190.	1.6	28
60	Integration of a PEM fuel cell with a metal hydride tank for stationary applications. Journal of Alloys and Compounds, 2015, 645, S338-S342.	2.8	52
61	Thermodynamic modelling of $\text{Mg}(\text{BH}_4)_2$. Journal of Alloys and Compounds, 2015, 645, S64-S68.	2.8	34
62	Hydrogen sorption in the $\text{LaNi}_{5-x}\text{Al}_x\text{-H}$ system ($0 \leq x \leq 1$). Intermetallics, 2015, 62, 7-16.	1.8	25
63	Effect of processing routes on the synthesis and properties of Zn_4Sb_3 thermoelectric alloy. Journal of Alloys and Compounds, 2015, 653, 54-60.	2.8	7
64	Formation, Time-Temperature Transformation curves and magnetic properties of FeCoNbSiBP metallic glasses. Journal of Alloys and Compounds, 2015, 619, 437-442.	2.8	3
65	Materials for hydrogen storage and the Na-Mg-B-H system. AIMS Energy, 2015, 3, 75-100.	1.1	7
66	Effect of NaH/MgB ₂ ratio on the hydrogen absorption kinetics of the system $\text{NaH} + \text{MgB}_2$. International Journal of Hydrogen Energy, 2014, 39, 5030-5036.	3.8	12
67	Hydrogen storage of Mg-Zn mixed metal borohydrides. Journal of Alloys and Compounds, 2014, 615, S702-S705.	2.8	20
68	Halide substitution in $\text{Ca}(\text{BH}_4)_2$. RSC Advances, 2014, 4, 4736-4742.	1.7	22
69	Investigation on the Decomposition Enthalpy of Novel Mixed $\text{Mg}_{1-x}\text{Zn}_x(\text{BH}_4)_2$ Borohydrides by Means of Periodic DFT Calculations. Journal of Physical Chemistry C, 2014, 118, 23468-23475.	1.5	12
70	Fast carbon dioxide recycling by reaction with $\text{Mg}(\text{BH}_4)_2$. Physical Chemistry Chemical Physics, 2014, 16, 22482-22486.	1.3	26
71	Thermodynamic and Kinetics Aspects of High Temperature Oxidation on a 304L Stainless Steel. Oxidation of Metals, 2014, 81, 515-528.	1.0	30
72	Rapid solidification of silver-rich Ag-Cu-Zr-Al alloys. Journal of Alloys and Compounds, 2014, 586, S111-S116.	2.8	4

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73	Effects of metastability on hydrogen sorption in fluorine substituted hydrides. Journal of Alloys and Compounds, 2014, 615, S706-S710.	2.8	12
74	Material properties and empirical rate equations for hydrogen sorption reactions in $2 \text{LiNH}_2 \cdot 1.1 \text{MgH}_2 \cdot 0.1 \text{LiBH}_4 \cdot 3 \text{Åwt.}\% \text{ZrCoH}_3$. International Journal of Hydrogen Energy, 2014, 39, 8283-8292.	3.8	22
75	Microstructure refinement and hardening of $\text{Ag} \cdot 20 \text{wt.}\% \text{Cu}$ alloy by rapid solidification. Journal of Alloys and Compounds, 2014, 615, S633-S637.	2.8	7
76	Cold rolling of amorphous/crystalline $\text{Ag}_{73.2}\text{Cu}_{17.1}\text{Zr}_{9.7}$ composite. Journal of Alloys and Compounds, 2014, 615, S79-S84.	2.8	0
77	Thermodynamic modelling of liquids: CALPHAD approaches and contributions from statistical physics. Physica Status Solidi (B): Basic Research, 2014, 251, 33-52.	0.7	28
78	Effect of Open Die Pressing on the Chemical-Physical Properties of Zn_4Sb_3 Compound. , 2014, , 19-27.		0
79	Effects of chemical composition on nanocrystallization kinetics, microstructure and magnetic properties of finemet-type amorphous alloys. Metals and Materials International, 2013, 19, 643-649.	1.8	12
80	Coupling Solid-State NMR with GIPAW ab Initio Calculations in Metal Hydrides and Borohydrides. Journal of Physical Chemistry C, 2013, 117, 9991-9998.	1.5	26
81	Structural study of a new B-rich phase obtained by partial hydrogenation of $2\text{NaH} \cdot \text{MgB}_2$. International Journal of Hydrogen Energy, 2013, 38, 10479-10484.	3.8	14
82	Theoretical and experimental study on $\text{Mg}(\text{BH}_4)_2 \cdot \text{Zn}(\text{BH}_4)_2$ mixed borohydrides. Journal of Alloys and Compounds, 2013, 580, S282-S286.	2.8	27
83	Hydrogen-fluorine exchange in $\text{NaBH}_4 \cdot \text{NaBF}_4$. Physical Chemistry Chemical Physics, 2013, 15, 18185.	1.3	52
84	Mechanochemical synthesis of NaBH_4 starting from $\text{NaH} \cdot \text{MgB}_2$ reactive hydride composite system. International Journal of Hydrogen Energy, 2013, 38, 2363-2369.	3.8	19
85	Hydrogen Sorption in the $\text{LiH} \cdot \text{LiF} \cdot \text{MgB}_2$ System. Journal of Physical Chemistry C, 2013, 117, 17360-17366.	1.5	9
86	Preparation and Characterization of Fe-Based Metallic Glasses with Pure and Raw Elements. Chinese Physics Letters, 2012, 29, 118102.	1.3	2
87	Thermodynamic Tuning of Calcium Hydride by Fluorine Substitution. Materials Research Society Symposia Proceedings, 2012, 1441, 17.	0.1	6
88	Crystallization Behavior of $\text{Fe}_{50-x}\text{Cr}_{15}\text{Mo}_{14}\text{C}_{15}\text{B}_6\text{M}_x$ ($x = 0, 2$ and $M = \text{Y, Gd}$) Bulk Metallic Glasses and Ribbons. Chinese Physics Letters, 2012, 29, 108103.	1.3	2
89	Nanometer Scale Tomographic Investigation of Fine Scale Precipitates in a CuFeNi Granular System by Three-Dimensional Field Ion Microscopy. Microscopy and Microanalysis, 2012, 18, 1129-1134.	0.2	5
90	Effect of rapid quenching and severe plastic deformation on silver. International Journal of Materials Research, 2012, 103, 1117-1121.	0.1	6

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91	Effects of BaRuO ₃ addition on hydrogen desorption in MgH ₂ . Journal of Alloys and Compounds, 2012, 536, S216-S221.	2.8	41
92	Structural and magnetic properties of Fe ₇₆ P ₅ (Si _{0.3} B _{0.5} Co _{0.2}) ₁₉ amorphous alloy. Journal of Alloys and Compounds, 2012, 536, S319-S323.	2.8	6
93	Rapid solidification of silver-rich Ag-Cu-Zr alloys. Journal of Alloys and Compounds, 2012, 536, S148-S153.	2.8	14
94	Microstructure and magnetic properties of (Fe _{100-x} Cox) _{84.5} Nb ₅ B _{8.5} P ₂ alloys. Journal of Alloys and Compounds, 2012, 536, S337-S341.	2.8	6
95	Halide Substitution in Magnesium Borohydride. Journal of Physical Chemistry C, 2012, 116, 12482-12488.	1.5	35
96	Preparation and characterization of Fe-based bulk metallic glasses in plate form. Physica B: Condensed Matter, 2012, 407, 3192-3195.	1.3	9
97	A thermodynamic assessment of LiBH ₄ . Calphad: Computer Coupling of Phase Diagrams and Thermochemistry, 2012, 39, 80-90.	0.7	48
98	Synthesis and Structural Investigation of Zr(BH ₄) ₄ . Journal of Physical Chemistry C, 2012, 116, 20239-20245.	1.5	43
99	Theoretical and Experimental Study of LiBH ₄ -LiCl Solid Solution. Crystals, 2012, 2, 144-158.	1.0	30
100	Enhanced hydrogen uptake/release in 2LiH-MgB ₂ composite with titanium additives. International Journal of Hydrogen Energy, 2012, 37, 1604-1612.	3.8	25
101	Experimental Evidence of Na ₂ [B ₁₂ H ₁₂] and Na Formation in the Desorption Pathway of the 2NaBH ₄ +MgH ₂ System. Journal of Physical Chemistry C, 2011, 115, 16664-16671.	1.5	46
102	Structure and Thermodynamic Properties of the NaMgH ₃ Perovskite: A Comprehensive Study. Chemistry of Materials, 2011, 23, 2317-2326.	3.2	54
103	Vibrational Properties of MBH ₄ and MBF ₄ Crystals (M = Li, Na, K): A Combined DFT, Infrared, and Raman Study. Journal of Physical Chemistry C, 2011, 115, 18890-18900.	1.5	39
104	Experimental and computational investigations on the AlH ₃ /AlF ₃ system. Journal of Alloys and Compounds, 2011, 509, 10-14.	2.8	19
105	A computational study on the effect of fluorine substitution in LiBH ₄ . Journal of Alloys and Compounds, 2011, 509, S679-S683.	2.8	36
106	Hydrogen release and structural transformations in LiNH ₂ -MgH ₂ systems. Journal of Alloys and Compounds, 2011, 509, S719-S723.	2.8	15
107	Role of crystalline precipitates on the mechanical properties of (Cu _{0.5} Zr _{0.5}) _{100-x} Al _x (x=4, 5, 7) bulk metallic glasses. Journal of Alloys and Compounds, 2011, 509, S99-S104.	2.8	22
108	Effect of Mg-Nb oxides addition on hydrogen sorption in MgH ₂ . Journal of Alloys and Compounds, 2011, 509, S438-S443.	2.8	26

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109	Iodide substitution in lithium borohydride, LiBH ₄ I. Journal of Alloys and Compounds, 2011, 509, 8299-8305.	2.8	80
110	Sorption and desorption properties of a CaH ₂ /MgB ₂ /CaF ₂ reactive hydride composite as potential hydrogen storage material. Journal of Solid State Chemistry, 2011, 184, 3104-3109.	1.4	10
111	Bromide substitution in lithium borohydride, LiBH ₄ Br. International Journal of Hydrogen Energy, 2011, 36, 15664-15672.	3.8	54
112	Above room temperature heat capacity and phase transition of lithium tetrahydroborate. Thermochimica Acta, 2011, 520, 75-79.	1.2	15
113	Effect of crystallisation on the magnetic properties of FeCuNbBSi amorphous thin films produced by sputtering. Physica Status Solidi C: Current Topics in Solid State Physics, 2011, 8, 3070-3073.	0.8	9
114	Development of nanostructured Mg ₂ Ni alloys for hydrogen storage applications. International Journal of Hydrogen Energy, 2011, 36, 7897-7901.	3.8	27
115	Hydrogen sorption properties of Ternary Mg-Nb-O phases synthesized by solid state reaction. International Journal of Hydrogen Energy, 2011, 36, 7932-7936.	3.8	19
116	Dehydrogenation reactions of 2NaBH ₄ +MgH ₂ system. International Journal of Hydrogen Energy, 2011, 36, 7891-7896.	3.8	38
117	Fracture Behavior in Cu _{46.5} Zr _{46.5} Al ₇ and Cu _{46.5} Zr _{41.5} Al ₇ Y ₅ Bulk Metallic Glasses. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2010, 41, 1767-1774.	1.1	4
118	Thermal and Magnetic Properties in (FeBSi)NbY Bulk Glassy Alloys. IEEE Transactions on Magnetics, 2010, 46, 393-396.	1.2	0
119	Influence of Rare-Earth Substitution for Iron in FeCrMoCB Bulk Metallic Glasses. Chinese Physics Letters, 2010, 27, 076103.	1.3	10
120	NaBX ₄ -MgX ₂ Composites (X= D,H) Investigated by In situ Neutron Diffraction. Materials Research Society Symposia Proceedings, 2010, 1262, 1.	0.1	3
121	Hydrogen Absorption/Desorption in Nanostructured Fe- and Ti-Doped Mg ₂ Ni Alloys. Defect and Diffusion Forum, 2010, 297-301, 745-756.	0.4	0
122	Hydrogen Desorption Reactions of the Na-Mg-B-H System. Advances in Science and Technology, 2010, 72, 164-169.	0.2	1
123	Amorphous/nanocrystalline composites analysed by the Rietveld method. Journal of Alloys and Compounds, 2010, 495, 377-381.	2.8	13
124	Thermodynamic Database for Hydrogen Storage Materials. Advances in Science and Technology, 2010, 72, 213-218.	0.2	11
125	Crystallisation process in Mg ₆₀ Cu ₃₀ Gd _{10-x} Ndx (x = 0, 8.5) amorphous alloys. Journal of Physics: Conference Series, 2009, 144, 012057.	0.3	1
126	The interaction of hydrogen with oxidic promoters of hydrogen storage in magnesium hydride. Materials Research Bulletin, 2009, 44, 194-197.	2.7	13

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127	Influence of structural parameters on magnetoresistive properties of CuFeNi melt spun ribbons. Ultramicroscopy, 2009, 109, 625-630.	0.8	11
128	Thermodynamic assessment of the Hf-La-Ni system. Calphad: Computer Coupling of Phase Diagrams and Thermochemistry, 2009, 33, 162-169.	0.7	20
129	Interaction of hydrogen with the Al_3Mg_2 complex metallic alloy: Experimental reliability of theoretical predictions. Journal of Alloys and Compounds, 2009, 472, 565-570.	2.8	18
130	Glass formation and mechanical properties of $(\text{Cu}_{50}\text{Zr}_{50})_{100-x}\text{Al}_x$ ($x=0, 4, 5, 7$) bulk metallic glasses. Journal of Alloys and Compounds, 2009, 483, 146-149.	2.8	38
131	Glass-formation and hardness of Cu-Y alloys. Journal of Alloys and Compounds, 2009, 483, 50-53.	2.8	12
132	Correlation between Poisson ratio and Mohr-Coulomb coefficient in metallic glasses. Journal of Alloys and Compounds, 2009, 483, 125-131.	2.8	17
133	Magnetic properties of Fe-Co-based bulk metallic glasses. Journal of Alloys and Compounds, 2009, 483, 608-612.	2.8	16
134	Hydrogen absorption and desorption in rapidly solidified Mg-Al alloys. Journal of Physics: Conference Series, 2009, 144, 012016.	0.3	3
135	Magnetic power losses in $[(\text{Fe}_{1-x}\text{Co}_x)_{75}\text{B}_{20}\text{Si}_5]_{93}\text{Nb}_4\text{Y}_3$ ($x=0, 0.2, 0.4$) bulk metallic glasses. Journal of Physics: Conference Series, 2009, 144, 012073.	0.3	0
136	Hydride phase formation in LaMg_2Ni during H_2 absorption. Renewable Energy, 2008, 33, 237-240.	4.3	11
137	Homogenization of Highly Alloyed Cu-Fe-Ni: A Phase Diagram Study. Journal of Phase Equilibria and Diffusion, 2008, 29, 131-135.	0.5	16
138	Magnetic properties and power losses in Fe-Co-based bulk metallic glasses. Journal of Magnetism and Magnetic Materials, 2008, 320, e806-e809.	1.0	17
139	An investigation of the H_2 uptake in Mg-Nb-O ternary phases. International Journal of Hydrogen Energy, 2008, 33, 3085-3090.	3.8	13
140	Hydrogen release from solid state NaBH_4 . International Journal of Hydrogen Energy, 2008, 33, 3111-3115.	3.8	128
141	Stripe domains and spin reorientation transition in $\text{Fe}_{78}\text{B}_{13}\text{Si}_9$ thin films produced by rf sputtering. Journal of Applied Physics, 2008, 104, .	1.1	55
142	Effect of microstructure on hydrogen absorption in LaMg_2Ni . Intermetallics, 2008, 16, 102-106.	1.8	26
143	Analysis of crystallization behavior of $\text{Fe}_{48}\text{Cr}_{15}\text{Mo}_{14}\text{Y}_2\text{C}_{15}\text{B}_6$ bulk metallic glass by synchrotron radiation. Journal of Materials Research, 2008, 23, 2166-2173.	1.2	16
144	Bulk Metallic Glasses. Materials Science Forum, 2008, 604-605, 229-238.	0.3	1

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145	Influence of Co Addition on Magnetic Properties and Glass Formation of Fe-based Amorphous Alloys. Materials Research Society Symposia Proceedings, 2007, 1048, 8.	0.1	0
146	AN ANALYSIS OF THERMOPHYSICAL AND MECHANICAL PROPERTIES OF GLASS-FORMING ALLOYS. Materials Research Society Symposia Proceedings, 2007, 1048, 8.	0.1	1
147	Thermodynamic and ab initio investigation of the Al-Hf-Mg system. Calphad: Computer Coupling of Phase Diagrams and Thermochemistry, 2007, 31, 457-467.	0.7	27
148	Magnetic and magnetotransport properties in metastable granular systems. Journal of Alloys and Compounds, 2007, 434-435, 594-597.	2.8	12
149	Thermal stability and hardness of Mg-Cu-Au-Y amorphous alloys. Journal of Alloys and Compounds, 2007, 434-435, 183-186.	2.8	14
150	Hydrogen absorption and desorption in nanocrystalline LaMg ₂ Ni. Journal of Alloys and Compounds, 2007, 434-435, 734-737.	2.8	13
151	Shear-band propagation in fully amorphous and partially crystallized Mg-based alloys studied by nanoindentation and transmission electron microscopy. Journal of Alloys and Compounds, 2007, 434-435, 48-51.	2.8	13
152	Fe-based bulk metallic glasses with Y addition. Journal of Alloys and Compounds, 2007, 434-435, 176-179.	2.8	21
153	Glass formation and magnetic characterization of (Fe ₇₈ B ₁₄ Si ₈)-Nb-Y alloys. Journal of Alloys and Compounds, 2007, 434-435, 628-632.	2.8	9
154	Ternary Compounds and Glass Formation in the Cu-Mg-Y System. Advanced Engineering Materials, 2007, 9, 475-479.	1.6	13
155	Analysis of Melting and Solidification Behaviour of Glass-forming Alloys by Synchrotron Radiation. Advanced Engineering Materials, 2007, 9, 492-495.	1.6	2
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