

Guillermina Urretavizcaya

List of Publications by Year in descending order

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42
papers

1,208
citations

361045

20
h-index

360668

35
g-index

42
all docs

42
docs citations

42
times ranked

1081
citing authors

#	ARTICLE	IF	CITATIONS
1	Hydrogen production from hydrolysis of magnesium wastes reprocessed by mechanical milling under air. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 5074-5084.	3.8	11
2	Hydrogen absorption and desorption properties of Mg/MgH ₂ with nanometric dispersion of small amounts of Nb(V) ethoxide. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 4126-4136.	3.8	7
3	Hydrogen generation from ball milled Mg alloy waste by hydrolysis reaction. <i>Journal of Power Sources</i> , 2020, 479, 228711.	4.0	35
4	Effect of ball milling strategy (milling device for scaling-up) on the hydrolysis performance of Mg alloy waste. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 20883-20893.	3.8	26
5	Nanostructured Mg for hydrogen production by hydrolysis obtained by MgH ₂ milling and dehydrating. <i>Journal of Alloys and Compounds</i> , 2020, 827, 154000.	2.8	40
6	Kinetic improvement of H ₂ absorption and desorption properties in Mg/MgH ₂ by using niobium ethoxide as additive. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 11961-11969.	3.8	12
7	Effect of additive distribution in H ₂ absorption and desorption kinetics in MgH ₂ milled with NbH _{0.9} or NbF ₅ . <i>International Journal of Hydrogen Energy</i> , 2018, 43, 7430-7439.	3.8	27
8	Crystal structure of $\hat{\rho}$ -Ag ₂ Mg ₅ . <i>Journal of Solid State Chemistry</i> , 2018, 258, 243-246.	1.4	1
9	Reversible hydrogen storage in Mg(HxF _{1-x}) ₂ solid solutions. <i>Journal of Alloys and Compounds</i> , 2017, 708, 108-114.	2.8	9
10	Study of MgH ₂ +NbF ₅ mixtures: Formation of MgH ₂ +F solid solutions and interaction with hydrogen. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 4585-4596.	3.8	29
11	Hydrogen absorption and desorption in the Mg+Ag system. <i>Journal of Alloys and Compounds</i> , 2014, 611, 202-209.	2.8	20
12	MgH ₂ synthesis during reactive mechanical alloying studied by in-situ pressure monitoring. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 16844-16851.	3.8	11
13	Hydrogen sorption properties of a MgH ₂ +10wt.% graphite mixture. <i>Journal of Alloys and Compounds</i> , 2011, 509, S595-S598.	2.8	32
14	High pressure DSC study of hydrogen sorption in MgH ₂ /graphite mixtures: Effects of sintering and oxidation. <i>International Journal of Hydrogen Energy</i> , 2011, 36, 5411-5417.	3.8	10
15	Characterization of graphite catalytic effect in reactively ball-milled MgH ₂ +C and Mg+C composites. <i>International Journal of Hydrogen Energy</i> , 2011, 36, 9051-9061.	3.8	39
16	Synthesis of hydrogen tungsten bronzes H _x WO ₃ by reactive mechanical milling of hexagonal WO ₃ . <i>Journal of Alloys and Compounds</i> , 2010, 495, 537-540.	2.8	22
17	Catalytic effect of monoclinic WO ₃ , hexagonal WO ₃ and H _{0.23} WO ₃ on the hydrogen sorption properties of Mg. <i>International Journal of Hydrogen Energy</i> , 2009, 34, 3404-3409.	3.8	27
18	Characterization of MgH ₂ formation by low-energy ball-milling of Mg and Mg+C (graphite) mixtures under H ₂ atmosphere. <i>Journal of Alloys and Compounds</i> , 2009, 481, 673-680.	2.8	43

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19	Application of pressure programmed absorption and desorption to characterize hydriding and dehydriding kinetics of LaNi ₅ during activation. Journal of Alloys and Compounds, 2007, 446-447, 224-227.	2.8	2
20	Formation of tetragonal hydrogen tungsten bronze by reactive mechanical alloying. Journal of Solid State Chemistry, 2007, 180, 2785-2789.	1.4	20
21	Novel technique for characterizing hydriding and dehydriding kinetics: Pressure programmed absorption and desorption. Review of Scientific Instruments, 2005, 76, 073902.	0.6	3
22	Mechanochemical Synthesis of Magnesium Aluminate Spinel Powder at Room Temperature. Journal of the American Ceramic Society, 2004, 87, 2020-2024.	1.9	80
23	Sintering of cordierite based materials. Ceramics International, 2003, 29, 159-168.	2.3	54
24	New Mg-based alloy obtained by mechanical alloying in the Mg-Ni-Ge system. Journal of Alloys and Compounds, 2003, 354, 187-192.	2.8	19
25	Synthesis of hydrides by mechanical alloying in the Mg-Ni-Ge system. Journal of Alloys and Compounds, 2003, 356-357, 588-592.	2.8	6
26	Behaviour of cordierite materials under mechanical and thermal biaxial stress. Advances in Applied Ceramics, 2002, 101, 94-99.	0.4	6
27	Catalytic effect of Ge on hydrogen desorption from MgH ₂ . Journal of Alloys and Compounds, 2002, 334, 277-284.	2.8	49
28	Metastable hexagonal Mg ₂ Sn obtained by mechanical alloying. Journal of Alloys and Compounds, 2002, 339, 211-215.	2.8	25
29	Hydrogen desorption behavior from magnesium hydrides synthesized by reactive mechanical alloying. Journal of Alloys and Compounds, 2001, 321, 46-53.	2.8	163
30	Mechanical behavior of cordierite and cordierite-mullite materials evaluated by indentation techniques. Journal of the European Ceramic Society, 2001, 21, 1195-1204.	2.8	63
31	Electrical properties and thermal expansion of cordierite and cordierite-mullite materials. Journal of the European Ceramic Society, 2001, 21, 2917-2923.	2.8	138
32	Hot pressing densification of Al (Al-Cu) short Al ₂ O ₃ fibre mixtures. Powder Metallurgy, 2000, 43, 83-88.	0.9	2
33	Pressureless sintering of sol-gel alumina matrix composites. Materials Letters, 2000, 43, 281-285.	1.3	6
34	Elongated mullite crystals obtained from high temperature transformation of sillimanite. Ceramics International, 1999, 25, 245-252.	2.3	27
35	Thermal Evolution of Alumina Prepared by the Sol-Gel Technique. Journal of Materials Synthesis and Processing, 1998, 6, 1-7.	0.3	59
36	Pressureless sintering of Al ₂ O ₃ /SiCw materials: Effect of the reducing atmosphere. Journal of the European Ceramic Society, 1997, 17, 1555-1563.	2.8	3

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37	Densification improvement of Al ₂ O ₃ -SiCw composites by impregnation. <i>Ceramics International</i> , 1995, 21, 97-99.	2.3	4
38	Growth of SiC whiskers by VLS process. <i>Journal of Materials Research</i> , 1994, 9, 2981-2986.	1.2	30
39	Thermal transformation of sol-gel alumina into γ -phase. Effect of γ -Al ₂ O ₃ seeding. <i>Materials Research Bulletin</i> , 1992, 27, 375-385.	2.7	14
40	The thermal decomposition of VO[(DMSO) ₃ SO ₄]. <i>Thermochimica Acta</i> , 1989, 138, 367-370.	1.2	1
41	Wechselwirkung des Vanadyl(IV)-Kations mit Nucleotiden in wässriger Lösung / Interaction of the Vanadyl(IV) Cation with Nucleotides in Aqueous Solution. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 1987, 42, 1537-1542.	0.3	23
42	Mössbauer spectrum and magnetic behavior of the iron(II)-saccharinate complex. <i>Journal of Inorganic Biochemistry</i> , 1987, 31, 81-84.	1.5	10