

Pau Solsona

List of Publications by Year in descending order

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17
papers

458
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687363

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888059

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all docs

17
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17
times ranked

643
citing authors

#	ARTICLE	IF	CITATIONS
1	Improved mechanical performance and delayed corrosion phenomena in biodegradable Mg–Zn–Ca alloys through Pd-alloying. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2012, 6, 53-62.	3.1	72
2	Influence of the Concentration of CO ₂ and SO ₂ on the Absorption of CO ₂ by a Lithium Orthosilicate-Based Absorbent. <i>Environmental Science & Technology</i> , 2011, 45, 7083-7088.	10.0	69
3	Improvement of the luminescence in p-type as-prepared or dye impregnated porous silicon microcavities. <i>Journal of Luminescence</i> , 1998, 80, 129-132.	3.1	50
4	Nanocasting of Mesoporous In TM (TM = Co, Fe, Mn) Oxides: Towards 3D Diluted Oxide Magnetic Semiconductor Architectures. <i>Advanced Functional Materials</i> , 2013, 23, 900-911.	14.9	38
5	Optimisation of the ball-milling and heat treatment parameters for synthesis of amorphous and nanocrystalline Mg ₂ Ni-based alloys. <i>Journal of Alloys and Compounds</i> , 2003, 349, 242-254.	5.5	36
6	Hydriding/dehydriding properties of nanocrystalline Mg ₈₇ Ni ₃ Al ₃ M ₇ (M=Ti, Mn, Ce, La) alloys prepared by ball milling. <i>Journal of Alloys and Compounds</i> , 2005, 398, 139-144.	5.5	30
7	Nanocrystallization in Mg ₈₃ Ni ₁₇ x _Y (x=0, 7.5) amorphous alloys. <i>Journal of Alloys and Compounds</i> , 2002, 345, 123-129.	5.5	27
8	Direct hydriding of Mg ₈₇ Al ₇ Ni ₃ Mn ₃ by reactive mechanical milling in hydrogen atmosphere and influence of particle size on the dehydriding reaction. <i>Journal of Alloys and Compounds</i> , 2005, 388, 98-103.	5.5	20
9	Thermodynamic properties and absorption-desorption kinetics of Mg ₈₇ Ni ₁₀ Al ₃ alloy synthesised by reactive ball milling under H ₂ atmosphere. <i>Journal of Alloys and Compounds</i> , 2005, 404-406, 27-30.	5.5	20
10	Synthesis and hydrogen sorption properties of nanocrystalline Mg _{1.9} M _{0.1} Ni (M=Ti, Zr, V) obtained by mechanical alloying. <i>Journal of Alloys and Compounds</i> , 2003, 356-357, 639-643.	5.5	19
11	Evolution of amorphous and nanocrystalline phases in mechanically alloyed Mg _{1.9} M _{0.1} Ni (M=Ti,Zr,V). <i>Journal of Alloys and Compounds</i> , 2004, 381, 66-71.	5.5	17
12	Electrochemical properties of nanocrystalline Mg ₂ Ni-type alloys prepared by mechanical alloying. <i>Journal of Alloys and Compounds</i> , 2005, 404-406, 682-686.	5.5	17
13	Nanocasting synthesis of mesoporous SnO ₂ with a tunable ferromagnetic response through Ni loading. <i>RSC Advances</i> , 2016, 6, 104799-104807.	3.6	16
14	Microcavity effect on dye impregnated porous silicon samples. <i>EPJ Applied Physics</i> , 1999, 7, 59-63.	0.7	10
15	Influence of the preparation method on the morphology of templated NiCo ₂ O ₄ spinel. <i>Journal of Nanoparticle Research</i> , 2011, 13, 3671-3681.	1.9	9
16	Hydriding/dehydriding of Mg ₈₇ Ni ₃ Al ₃ M _m ₇ (Mm=La, Ce-rich mischmetal) alloy produced by mechanical milling. <i>Journal of Alloys and Compounds</i> , 2005, 403, 363-367.	5.5	5
17	Magnetic Measurements as a Sensitive Tool for Studying Dehydrogenation Processes in Hydrogen Storage Materials. <i>Journal of Physical Chemistry C</i> , 2010, 114, 16818-16822.	3.1	3