

F Padella

List of Publications by Year in descending order

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30
papers

1,088
citations

516710

16
h-index

454955

30
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32
all docs

32
docs citations

32
times ranked

1018
citing authors

#	ARTICLE	IF	CITATIONS
1	Magnetic Metal-Organic Framework Composite by Fast and Facile Mechanochemical Process. <i>Inorganic Chemistry</i> , 2018, 57, 1806-1814.	4.0	54
2	Kinematic observations and energy modeling of a Zoz Simoloyer high-energy ball milling device. <i>International Journal of Advanced Manufacturing Technology</i> , 2013, 69, 2423-2435.	3.0	16
3	Chemical aspects of the water-splitting thermochemical cycle based on sodium manganese ferrite. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 11595-11601.	7.1	11
4	Manganese iron oxide superparamagnetic powder by mechanochemical processing. Nanoparticles functionalization and dispersion in a nanofluid. <i>Journal of Nanoparticle Research</i> , 2012, 14, 1.	1.9	20
5	The carbonation reaction of layered Na(Mn _{1/3} Fe _{2/3})O ₂ : A high temperature study. <i>Solid State Ionics</i> , 2011, 187, 19-26.	2.7	7
6	Progress in Understanding Factors Governing the Sodium Manganese Ferrite Thermochemical Cycle. <i>Journal of Solar Energy Engineering, Transactions of the ASME</i> , 2010, 132, .	1.8	8
7	The oxygen-releasing step in the water splitting cycle by MnFe ₂ O ₄ -Na ₂ CO ₃ system. <i>International Journal of Hydrogen Energy</i> , 2009, 34, 4546-4550.	7.1	10
8	Chemical equilibria involved in the oxygen-releasing step of manganese ferrite water-splitting thermochemical cycle. <i>Journal of Solid State Chemistry</i> , 2008, 181, 1992-1997.	2.9	11
9	Hydrogen production by using manganese ferrite: Evidences and benefits of a multi-step reaction mechanism. <i>International Journal of Hydrogen Energy</i> , 2006, 31, 2217-2222.	7.1	21
10	On the oxygen-releasing step in the water-splitting thermochemical cycle by MnFe ₂ O ₄ -Na ₂ CO ₃ system. <i>Scripta Materialia</i> , 2006, 55, 875-877.	5.2	11
11	Mechanosynthesis and process characterization of nanostructured manganese ferrite. <i>Materials Chemistry and Physics</i> , 2005, 90, 172-177.	4.0	55
12	Synthesis and characterization of nanocrystalline : advances in thermochemical water splitting. <i>International Journal of Hydrogen Energy</i> , 2005, 30, 1407-1411.	7.1	45
13	Mechanochemical surface activation of ground tire rubber by solid-state devulcanization and grafting. <i>Journal of Applied Polymer Science</i> , 2003, 90, 1631-1638.	2.6	42
14	Development of composite materials by mechanochemical treatment of post-consumer plastic waste. <i>Waste Management</i> , 2002, 22, 913-916.	7.4	67
15	High-energy mechanical alloying of thermoplastic polymers in carbon dioxide. <i>Polymer</i> , 2002, 43, 1155-1161.	3.8	43
16	Core-level and valence band photoemission study of perovskite oxide powders synthesized by mechanically and thermally activated solid-state reaction. <i>Journal of Physics Condensed Matter</i> , 1999, 11, 3387-3393.	1.8	7
17	Power measurements during mechanical milling-II. The case of "single path cumulative"-solid state reaction. <i>Acta Materialia</i> , 1998, 46, 2841-2850.	7.9	46
18	Mechanically Activated Low Temperature Synthesis of Sr Doped Lanthanum Manganite. <i>Materials Science Forum</i> , 1998, 269-272, 105-110.	0.3	10

#	ARTICLE	IF	CITATIONS
19	Ball milling: An experimental support to the energy transfer evaluated by the collision model. Scripta Materialia, 1996, 34, 13-19.	5.2	107
20	Solid state reactions induced by mechanical alloying in metal-silicon (metal = Mo, Nb) systems. Acta Metallurgica Et Materialia, 1995, 43, 3755-3761.	1.8	64
21	Synthesis of amorphous and metastable Ti40Al60 alloys by mechanical alloying of elemental powders. Journal of Materials Science, 1994, 29, 2436-2444.	3.7	44
22	Influence of Oxygen Contamination on the Pd-Si Solid-State Reactions Activated by Mechanical Alloying. Chemistry of Materials, 1994, 6, 983-989.	6.7	3
23	X-ray diffraction study on the amorphization of the Pd ₈₀ Si ₂₀ powder mixture by mechanical alloying. The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties, 1993, 68, 833-844.	0.6	1
24	Mechanical alloying of the Pd-Si system in controlled conditions of energy transfer. Journal of the Less Common Metals, 1991, 175, 79-90.	0.8	36
25	Mechanical alloying of the Pd-Si system. Investigation of the early and late milling stages. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1991, 134, 1406-1409.	5.6	5
26	Mechanical alloying of the Fe-Zr system. Correlation between input energy and end products. Nuovo Cimento Della Società Italiana Di Fisica D - Condensed Matter, Atomic, Molecular and Chemical Physics, Biophysics, 1991, 13, 459-476.	0.4	244
27	Mechanical alloying of the Ti-Al system. Journal of Materials Science, 1991, 26, 6190-6196.	3.7	55
28	Early and late mechanical alloying stages of the Pd-Si system. Journal of Materials Science, 1991, 26, 3969-3976.	3.7	15
29	Preparation of amorphous Fe-Zr alloys by mechanical alloying and melt spinning methods. Journal of Materials Science, 1989, 24, 3053-3058.	3.7	19
30	On the formation of Pd ₃ Si by mechanical alloying solid-state reaction. Journal of Non-Crystalline Solids, 1989, 110, 69-73.	3.1	11