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List of Publications by Year in descending order

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papers

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docs citations

52
times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Epoxy Coatings Containing Modified Graphene for Electromagnetic Shielding. <i>Polymers</i> , 2022, 14, 2508.	2.0	5
2	High-Performance Functionalized Magnetic Nanoparticles with Tailored Sizes and Shapes for Localized Hyperthermia Applications. <i>Journal of Physical Chemistry C</i> , 2021, 125, 11132-11146.	1.5	16
3	One-pot strategy for obtaining magnetic PMMA particles through ATRP using Fe(CO) ₅ as co-initiator. <i>European Polymer Journal</i> , 2021, 152, 110446.	2.6	2
4	Effect of the process control agent in the ball-milled powders and SPS-consolidation temperature on the grain refinement, density and Vickers hardness of Fe ₁₄ Cr ODS ferritic alloys. <i>Powder Technology</i> , 2019, 347, 103-113.	2.1	25
5	Local configurations and atomic intermixing in as-quenched and annealed Fe _{1-x} Cr _x and Fe _{1-x} Mo _x ribbons. <i>Philosophical Magazine</i> , 2018, 98, 1053-1067.	0.7	0
6	Significant change of local atomic configurations at surface of reduced activation Eurofer steels induced by hydrogenation treatments. <i>Applied Surface Science</i> , 2017, 402, 114-119.	3.1	2
7	Structural, Magnetic, and Mössbauer Investigation of Ordered Iron Nitride with Martensitic Structure Obtained from Amorphous Hematite Synthesized via the Microwave Route. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 2958-2966.	1.8	5
8	Tuning magneto-transport properties of Fe ⁶⁵ Au granular thin films by cluster organization. <i>Journal Physics D: Applied Physics</i> , 2017, 50, 275004.	1.3	5
9	Effects of magnetic dipolar interactions on the specific time constant in superparamagnetic nanoparticle systems. <i>Journal Physics D: Applied Physics</i> , 2016, 49, 295001.	1.3	13
10	Be/W and W/Be bilayers deposited on Si substrates with hydrogenated Fe-Cr and Fe-Cr-Al interlayers for plasma facing components. <i>Journal of Nuclear Materials</i> , 2016, 481, 73-80.	1.3	2
11	Nitriding-induced texture, ordering and coercivity enhancement in FePtAgB nanocomposite magnets. <i>Journal of Magnetism and Magnetic Materials</i> , 2016, 401, 965-968.	1.0	1
12	Model-free kinetic analysis of Sr ₂ FeMoO ₆ re-crystallization process used for double-perovskite monocrystals grown by Bridgman method. <i>AIP Conference Proceedings</i> , 2015, , .	0.3	1
13	Stepped heating procedure for experimental SAR evaluation of ferrofluids. <i>European Physical Journal E</i> , 2015, 38, 57.	0.7	13
14	Reconstruction of superparamagnetic particle grain size distribution from Romanian loess using frequency dependent magnetic susceptibility and temperature dependent Mössbauer spectroscopy. <i>Global and Planetary Change</i> , 2015, 131, 89-103.	1.6	6
15	Approach for an improved experimental evaluation of the specific absorption rate in magnetic fluid hyperthermia. <i>Journal of Nanoparticle Research</i> , 2015, 17, 1.	0.8	8
16	Effects of annealing in Be/W and Be/C bilayers deposited on Si(0 0 1) substrates with Fe buffer layers. <i>Journal of Nuclear Materials</i> , 2015, 457, 220-226.	1.3	3
17	Tuning structural and magnetic properties of Fe films on Si substrates by hydrogenation processing. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2014, 181, 24-32.	1.7	15
18	Engineering Magnetic Properties of Nanostructures via Size Effects and Interphase Interactions. <i>Springer Series in Materials Science</i> , 2014, , 169-237.	0.4	14

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19	Prediction of half metallic properties in $\text{Ti}_2\text{Mn}_2\text{Sn}$ Heusler alloy based on density functional theory. Journal of Magnetism and Magnetic Materials, 2013, 331, 109-112.	1.0	42
20	Volume fraction dependent magnetic behaviour of ferrofluids for rotating seal applications. Journal Physics D: Applied Physics, 2013, 46, 395501.	1.3	28
21	Magnetic properties of iron-carbon nanocomposites obtained by laser pyrolysis in specific configurations. Journal of Alloys and Compounds, 2013, 564, 27-34.	2.8	19
22	Band structure calculations of Ti_2FeSn : A new half-metallic compound. Intermetallics, 2013, 36, 86-89.	1.8	39
23	Detailed characterization of functionalized magnetite and ascertained effects. Journal of Nanoparticle Research, 2013, 15, 1.	0.8	14
24	Half-metallic state and magnetic properties versus the lattice constant in $\text{Ti}_2\text{Mn}_2\text{Sn}$ Heusler compound: An ab initio study. Solid State Communications, 2012, 152, 2147-2150.	0.9	32
25	Interface characterization and atomic intermixing processes in Be/W bilayers deposited on $\text{Si}(001)$ substrates with Fe buffer layers. Journal of Alloys and Compounds, 2012, 512, 199-206.	2.8	10
26	Shaping distinct magnetic interactions in molecular compounds. Journal of Magnetism and Magnetic Materials, 2011, 323, 1044-1053.	1.0	1
27	¹⁹⁷ Au Mössbauer study of gold selenide, AuSe. Journal of Physics: Conference Series, 2010, 217, 012039.	0.3	7
28	Interfacial atomic diffusion in AF/Fe/Cu/Fe (AF = $\text{Fe}_{50}\text{Mn}_{50}$ and $\text{Ir}_{50}\text{Mn}_{50}$) multilayer systems. Thin Solid Films, 2010, 518, 5981-5985.	0.8	7
29	Magnetic properties of Fe/Co ferromagnetic layers and $\text{Fe}/\text{Mn}/\text{Fe}/\text{Co}$ bilayers obtained by thermo-ionic vacuum arc. Journal of Alloys and Compounds, 2010, 499, 23-29.	2.8	10
30	Thermodynamic destabilization of $\text{Li}/\text{N}/\text{H}$ system by Si addition. Journal of Alloys and Compounds, 2010, 505, 343-347.	2.8	2
31	Characterization of magnetic nano-fluids via Mössbauer spectroscopy. Hyperfine Interactions, 2009, 191, 55-60.	0.2	5
32	Spin configurations and interfacial diffusion in exchange bias and spin valve systems with Ir/Mn antiferromagnetic pinning layers. Hyperfine Interactions, 2009, 191, 135-141.	0.2	3
33	Iron containing $3d/4f$ compounds: Effect of alternative processing on local interactions and storage properties. Journal of Alloys and Compounds, 2009, 480, 157-160.	2.8	0
34	Polymer-derived microcellular SiOC foams with magnetic functionality. Journal of Materials Science, 2008, 43, 4119-4126.	1.7	50
35	Structure and hydrogen storage properties of MgH_2 catalysed with La_2O_3 . Journal of Alloys and Compounds, 2008, 450, 310-313.	2.8	56
36	Physical properties of hydrogen in TiV_2MnCr bcc alloys as deduced from hydrogen absorption/desorption and mechanical spectroscopy experiments. Journal of Alloys and Compounds, 2008, 456, 118-124.	2.8	9

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37	A study of the LiNH ₂ -MgH ₂ system for solid state hydrogen storage. Journal of Alloys and Compounds, 2008, 459, 343-347.	2.8	29
38	An anelastic spectroscopy, differential scanning calorimetry and X-ray diffraction study of the crystallization process of Mg-Ni-Fe alloys. Journal of Alloys and Compounds, 2008, 463, 148-152.	2.8	2
39	Hydrogen-storage capacities and H diffusion in bcc TiVCr alloys. Journal of Alloys and Compounds, 2008, 466, 133-139.	2.8	29
40	Hydrogen storage in Mg-Ni-Fe compounds prepared by melt spinning and ball milling. Journal of Alloys and Compounds, 2006, 415, 170-176.	2.8	73
41	Study of Mg-based materials to be used in a functional solid state hydrogen reservoir for vehicular applications. International Journal of Hydrogen Energy, 2006, 31, 2097-2103.	3.8	21
42	Mössbauer study of Mg-Ni(Fe) alloys processed as materials for solid state hydrogen storage. Hyperfine Interactions, 2006, 168, 1029-1035.	0.2	6
43	Mössbauer study of LaNiSn and NdNiSn compounds and their deuterides. Journal of Radioanalytical and Nuclear Chemistry, 2005, 266, 553-556.	0.7	2
44	Ion irradiation induced reduction of Fe ³⁺ to Fe ²⁺ and Fe ⁰ in triethoxysilane films. Journal of Physics Condensed Matter, 2005, 17, 7023-7028.	0.7	5
45	The nature of the hydrogen bond in the LaNiSnH ₂ and NdNiSnH hydrides. Journal of Chemical Physics, 2005, 122, 124703.	1.2	4
46	Magnetic interactions and spin structure in composite Fe/Nd ₂ Fe ₁₄ B systems. Journal of Magnetism and Magnetic Materials, 2004, 272-276, 797-799.	1.0	5
47	Electronic properties of gold-aluminium intermetallic compounds. Journal of Alloys and Compounds, 2003, 353, 23-32.	2.8	18
48	Nonequilibrium magnetic dynamics in mechanically alloyed materials. Physical Review B, 2001, 64, .	1.1	33
49	¹⁹⁷ Au and ⁵⁷ Fe Mössbauer study of Au-substituted Al-Cu-Fe quasi-crystalline alloys. Journal of Alloys and Compounds, 2000, 313, 13-20.	2.8	8
50	Reducibility of ruthenium in relation with zeolite structure. Applied Surface Science, 1999, 141, 164-176.	3.1	43
51	Jahn-Teller configurations in natural spinels. Physics and Chemistry of Minerals, 1999, 27, 95-102.	0.3	2
52	On the Passivation of the Metallic Surfaces from the Nuclear Plant Water Circuits. Hyperfine Interactions, 1998, 112, 35-38.	0.2	3