

Catalina Salazar Mejía

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Crystal field effects in the zig-zag chain compound SrTm ₂ O ₄ . Journal of Magnetism and Magnetic Materials, 2022, 551, 169020.	2.3	1
2	Magnetocaloric effect and magnetic phase diagram of Ni-Mn-Ga Heusler alloy in steady and pulsed magnetic fields. Journal of Alloys and Compounds, 2022, 904, 164051.	5.5	14
3	Intra-unitcell cluster-cluster magnetic compensation and large exchange bias in cubic alloys. Physical Review B, 2021, 104, .	3.2	2
4	Magnetocaloric effect in the Laves-phase $\text{Ho}_{2}\text{Ni}_{2}\text{O}_{10}$ in high magnetic fields. Physical Review Materials, 2021, 5, .	2.4	10
5	Coupled Trillium Lattices of K^2		

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19	Uniaxial-stress tuned large magnetic-shape-memory effect in Ni-Co-Mn-Sb Heusler alloys. Applied Physics Letters, 2017, 110, .	3.3	21
20	Elastic and anelastic relaxation behaviour of perovskite multiferroics II: PbZr _{0.53} Ti _{0.47} O ₃ (PZT)â€“PbFe _{0.5} Ta _{0.5} O ₃ (PFT). Journal of Materials Science, 2017, 52, 285-304.	3.7	11
21	Suppression of the ferromagnetic order in the Heusler alloy Ni ₅₀ Mn ₃₅ In ₁₅ by hydrostatic pressure. Applied Physics Letters, 2016, 108, 261903.	3.3	8
22	Elastic and anelastic relaxation behaviour of perovskite multiferroics I: PbZr _{0.53} Ti _{0.47} O ₃ (PZT)â€“PbFe _{0.5} Nb _{0.5} O ₃ (PFN). Journal of Materials Science, 2016, 51, 10727-10760.	3.7	11
23	Adiabatic temperature change from non-adiabatic measurements. Applied Physics A: Materials Science and Processing, 2016, 122, 1.	2.3	5
24	Pulsed high-magnetic-field experiments: New insights into the magnetocaloric effect in Ni-Mn-In Heusler alloys. Journal of Applied Physics, 2015, 117, .	2.5	27
25	Strain behavior and lattice dynamics in Ni ₅₀ Mn ₃₅ In ₁₅ . Journal of Physics Condensed Matter, 2015, 27, 415402.	1.8	10
26	Elastic and magnetoelastic relaxation behaviour of multiferroic (ferromagnetic + ferroelectric +) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 46 Condensed Matter, 2015, 27, 285901.	1.8	22
27	Effects of Annealing on the Martensitic Transformation of Ni-Based Ferromagnetic Shape Memory Heusler Alloys and Nanoparticles. Metals, 2015, 5, 484-503.	2.3	14
28	Magnetic phase coexistence and metastability caused by the first-order magnetic phase transition in the Heusler compound Mn ₂ PtGa. Journal of Applied Physics, 2015, 117, 17D715.	2.5	10
29	Direct measurements of the magnetocaloric effect in pulsed magnetic fields: The example of the Heusler alloy Ni ₅₀ Mn ₃₅ In ₁₅ . Applied Physics Letters, 2015, 106, .	3.3	72
30	Large field-induced irreversibility in Ni-Mn based Heusler shape-memory alloys: A pulsed magnetic field study. Physical Review B, 2014, 90, .	3.2	29
31	Martensitic and intermartensitic transitions in Ni ₅₀ Mn ₂₀ Cu ₅ Ga ₂₁ Al ₄ Heusler alloy. Journal of Alloys and Compounds, 2014, 586, 718-721.	5.5	2
32	A less expensive NiMnGa based Heusler alloy for magnetic refrigeration. Journal of Applied Physics, 2012, 111, .	2.5	17
33	Magnetic phase diagram of the layered superconductor Bi _{2+x} Sr _{2âˆ“x} CuO _{6+Î´} (Bi2201) with Tcâ‰“ 7 K. Superconductor Science and Technology, 2012, 25, 105004.	3.5	4
34	Anomalous metamagnetic-like transition in a FeRh/Fe ₃ Pt interface occurring at T â‰“ 120 K in the field-cooled-cooling curves for low magnetic fields. AIP Advances, 2012, 2, 032168.	1.3	2
35	Fe/Cr substitution in MnAs compound: Increase in the relative cooling power. Applied Physics Letters, 2011, 98, 102515.	3.3	11
36	Pressure tuning the magnetocaloric effect in valence transition compound YbInCu ₄ . Journal of Applied Physics, 2010, 108, 083918.	2.5	4

#	ARTICLE	IF	CITATIONS
37	Magnetoelectric response of new Sr ₂ TiMnO ₆ manganite-like material. Journal of Magnetism and Magnetic Materials, 2008, 320, e104-e106.	2.3	27