

# Francesco Cugini

## List of Publications by Year in descending order

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37  
papers

571  
citations

759233

12  
h-index

642732

23  
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38  
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38  
docs citations

38  
times ranked

693  
citing authors

#	ARTICLE	IF	CITATIONS
1	Structure and magnetic properties of Fe-Co alloy nanoparticles synthesized by pulsed-laser inert gas condensation. <i>Journal of Alloys and Compounds</i> , 2022, 890, 161863.	5.5	10
2	Magnetocaloric properties at the austenitic Curie transition in Cu and Fe substituted Ni-Mn-In Heusler compounds. <i>Journal of Alloys and Compounds</i> , 2022, 899, 163249.	5.5	11
3	Mechanosynthesis of multiferroic hybrid organic-inorganic $[\text{NH}_4][\text{M}(\text{HCOO})_3]\text{MA}=\text{ACo}^{2+}, \text{Mn}^{2+}, \text{Zn}^{2+}, \text{Ni}^{2+}, \text{Cu}^{2+}$ formate-based frameworks. <i>Journal of Alloys and Compounds</i> , 2022, 899, 163288.	5.5	2
4	Effect of size and disorder on martensitic phase transition and thermal hysteresis in milled Ni-Mn-In-Co microparticles. <i>Journal of Alloys and Compounds</i> , 2022, 906, 164377.	5.5	3
5	Effective decoupling of ferromagnetic sublattices by frustration in Heusler alloys. <i>Physical Review B</i> , 2022, 105, .	3.2	9
6	Waste of batteries management: Synthesis of magnetocaloric manganite compound from the REEs mixture generated during hydrometallurgical processing of NiMH batteries. <i>Sustainable Materials and Technologies</i> , 2021, 28, e00267.	3.3	0
7	Multifunctional Ni-Mn-Ga and Ni-Mn-Cu-Ga Heusler particles towards the nanoscale by ball-milling technique. <i>Journal of Alloys and Compounds</i> , 2021, 872, 159747.	5.5	9
8	High-temperature magnetic coercivity of CNTs filled with multi-phase Fe-based nanoparticles. <i>Journal of Magnetism and Magnetic Materials</i> , 2020, 496, 165917.	2.3	3
9	Rapid microwave synthesis of magnetocaloric $\text{Ni}^{1-x}\text{Mn}^x\text{Sn}$ Heusler compounds. <i>Scripta Materialia</i> , 2020, 176, 63-66.	5.2	13
10	Slow Magnetic Relaxation of a 12-Metallacrown-4 Complex with a Manganese(III)-Copper(II) Heterometallic Ring Motif. <i>Inorganic Chemistry</i> , 2020, 59, 11894-11900.	4.0	4
11	Understanding magnetic relaxation in single-ion magnets with high blocking temperature. <i>Physical Review B</i> , 2020, 101, .	3.2	94
12	On the direct measurement of the adiabatic temperature change of magnetocaloric materials. <i>Journal of Applied Physics</i> , 2020, 127, .	2.5	18
13	Direct measurements of the magnetocaloric effect of $\text{Fe}_{49}\text{Rh}_{51}$ using the mirage effect. <i>Journal of Applied Physics</i> , 2020, 127, .	2.5	9
14	Scale-Up of Magnetocaloric NiCoMnIn Heuslers by Powder Metallurgy for Room Temperature Magnetic Refrigeration. <i>Frontiers in Energy Research</i> , 2020, 7, .	2.3	11
15	First Experimental Evidences of the Ferroelectric Nature of Struvite. <i>Crystal Growth and Design</i> , 2020, 20, 4454-4460.	3.0	7
16	Lattice strain accommodation and absence of pre-transition phases in $\text{Ni}_{50}\text{Mn}_{25+x}\text{In}_{25-x}$ . <i>Journal of Physics Condensed Matter</i> , 2020, 32, 505801.	1.8	6
17	Ubiquitous first-order transitions and site-selective vanishing of the magnetic moment in giant magnetocaloric MnFeSiP alloys detected by $^{55}\text{Mn}$ NMR. <i>Physical Review B</i> , 2019, 100, .	3.2	3
18	Tuning the magnetic and magnetocaloric properties of austenitic Ni-Mn-(In,Sn) Heuslers. <i>Scripta Materialia</i> , 2019, 170, 48-51.	5.2	19



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37	Magnetic phase diagram of the austenitic Mn-rich Ni-Mn-(In,Sn) Heusler alloys. <i>Electronic Structure</i> , 0, , .	2.8	1