

Carlo Fanciulli

List of Publications by Year in descending order

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23
papers

512
citations

758635

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642321

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25
all docs

25
docs citations

25
times ranked

575
citing authors

#	ARTICLE	IF	CITATIONS
1	A review of performance of zero energy buildings and energy efficiency solutions. Journal of Building Engineering, 2019, 25, 100772.	1.6	204
2	Improvement of Magnetic Field Behavior of Ex-Situ Processed Magnesium Diboride Tapes. IEEE Transactions on Applied Superconductivity, 2007, 17, 2766-2769.	1.1	36
3	Order-Disorder Transition in Kesterite $\text{Cu}_2\text{ZnSnS}_4$: Thermopower Enhancement via Electronic Band Structure Modification. Journal of Physical Chemistry C, 2020, 124, 7091-7096.	1.5	30
4	High-Energy Ball Milling and Synthesis Temperature Study to Improve Superconducting Properties of MgB_2 Ex-situ Tapes and Wires. IEEE Transactions on Applied Superconductivity, 2009, 19, 2706-2709.	1.1	29
5	Correlations between Structural and Electronic Properties in the Filled Skutterudite $\text{Sm}_y(\text{Fe}_x\text{Ni}_{1-x})_4\text{Sb}_{12}$. Inorganic Chemistry, 2016, 55, 2574-2583.	1.9	27
6	Effect of the Order-Disorder Transition on the Seebeck Coefficient of Nanostructured Thermoelectric $\text{Cu}_2\text{ZnSnS}_4$. Nanomaterials, 2019, 9, 762.	1.9	27
7	Experimental and <i>Ab Initio</i> Study of Cu_2SnS_3 (CTS) Polymorphs for Thermoelectric Applications. Journal of Physical Chemistry C, 2021, 125, 178-188.	1.5	21
8	Origin of a Simultaneous Suppression of Thermal Conductivity and Increase of Electrical Conductivity and Seebeck Coefficient in Disordered Cubic $\text{Cu}_2\text{ZnSnS}_4$. Physical Review Applied, 2020, 14, .	1.5	17
9	Thermoelectric Properties of TiNiSn Half Heusler Alloy Obtained by Rapid Solidification and Sintering. Journal of Materials Engineering and Performance, 2018, 27, 6306-6313.	1.2	15
10	Study of the Performances of a Thermoelectric Generator Based on a Catalytic Meso-Scale $\text{H}_2/\text{C}_3\text{H}_8$ Fueled Combustor. Journal of Nanoscience and Nanotechnology, 2017, 17, 1592-1600.	0.9	14
11	Role of secondary phases and thermal cycling on thermoelectric properties of TiNiSn half-Heusler alloy prepared by different processing routes. Intermetallics, 2020, 127, 106988.	1.8	13
12	Thermal expansion and high temperature structural features of the filled skutterudite $\text{Sm}^{12}(\text{Fe}_{1-x}\text{Ni}_x)_4\text{Sb}_{12}$. Intermetallics, 2017, 87, 31-37.	1.8	12
13	Study of the Superconducting and Thermal Properties of <i>ex situ</i> GlidCop-Sheathed Practical MgB_2 Conductors. IEEE Transactions on Applied Superconductivity, 2009, 19, 3670-3674.	1.1	11
14	Design and Development of a TEG Cogenerator Device Integrated into a Self-Standing Natural Combustion Gas Stove. Journal of Electronic Materials, 2015, 44, 377-383.	1.0	11
15	Effects of Preparation Procedures and Porosity on Thermoelectric Bulk Samples of Cu_2SnS_3 (CTS). Materials, 2022, 15, 712.	1.3	8
16	Topological Anderson Insulator in Cation-Disordered $\text{Cu}_2\text{ZnSnS}_4$. Nanomaterials, 2021, 11, 2595.	1.9	7
17	Nanostructured Tetrahedrite Synthesis for Thermoelectric Applications. Journal of Nanoscience and Nanotechnology, 2017, 17, 1645-1649.	0.9	6
18	Superconducting Properties of V_3Si Thin Films Grown by Pulsed Laser Ablation. IEEE Transactions on Applied Superconductivity, 2009, 19, 2682-2685.	1.1	5

#	ARTICLE	IF	CITATIONS
19	Design and development of a thermoelectric cogeneration device integrated in autonomous gas heaters. , 2012, , .		5
20	Update on the Design and Development of a TEG Cogenerator Device Integrated into Self-Standing Gas Heaters. Journal of Electronic Materials, 2013, 42, 2243-2248.	1.0	5
21	Physical Characterization of Sintered NiMnGa Ferromagnetic Shape Memory Alloy. Materials, 2020, 13, 4806.	1.3	3
22	Compositional Optimization and Structural Properties of the Filled Skutterudite $\text{Sm}(\text{Fe}_x\text{Ni}_{1-x})_4\text{Sb}_{11.5}\text{Sn}_{0.5}$. Metals, 2020, 10, 692.	1.0	3
23	Order Parameter from the Seebeck Coefficient in Thermoelectric Kesterite $\text{Cu}_2\text{ZnSnS}_4$. Minerals, Metals and Materials Series, 2021, , 527-539.	0.3	2