

# Carlo Fanciulli

## List of Publications by Year in descending order

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23  
papers

512  
citations

758635

12  
h-index

642321

23  
g-index

25  
all docs

25  
docs citations

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times ranked

575  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of Preparation Procedures and Porosity on Thermoelectric Bulk Samples of Cu <sub>2</sub> SnS <sub>3</sub> (CTS). <i>Materials</i> , 2022, 15, 712.	1.3	8
2	Order Parameter from the Seebeck Coefficient in Thermoelectric Kesterite Cu <sub>2</sub> ZnSnS <sub>4</sub> . <i>Minerals, Metals and Materials Series</i> , 2021, , 527-539.	0.3	2
3	Experimental and <i>Ab Initio</i> Study of Cu <sub>2</sub> SnS <sub>3</sub> (CTS) Polymorphs for Thermoelectric Applications. <i>Journal of Physical Chemistry C</i> , 2021, 125, 178-188.	1.5	21
4	Topological Anderson Insulator in Cation-Disordered Cu <sub>2</sub> ZnSnS <sub>4</sub> . <i>Nanomaterials</i> , 2021, 11, 2595.	1.9	7
5	Physical Characterization of Sintered NiMnGa Ferromagnetic Shape Memory Alloy. <i>Materials</i> , 2020, 13, 4806.	1.3	3
6	Role of secondary phases and thermal cycling on thermoelectric properties of TiNiSn half-Heusler alloy prepared by different processing routes. <i>Intermetallics</i> , 2020, 127, 106988.	1.8	13
7	Order-Disorder Transition in Kesterite Cu <sub>2</sub> ZnSnS <sub>4</sub> : Thermopower Enhancement via Electronic Band Structure Modification. <i>Journal of Physical Chemistry C</i> , 2020, 124, 7091-7096.	1.5	30
8	Compositional Optimization and Structural Properties of the Filled Skutterudite Sm <sub>y</sub> (Fe <sub>x</sub> Ni <sub>1-x</sub> ) <sub>4</sub> Sb <sub>11.5</sub> Sn <sub>0.5</sub> . <i>Metals</i> , 2020, 10, 692.	1.0	3
9	Origin of a Simultaneous Suppression of Thermal Conductivity and Increase of Electrical Conductivity and Seebeck Coefficient in Disordered Cubic Cu <sub>2</sub> ZnSnS <sub>4</sub> . <i>Physical Review Applied</i> , 2020, 14, .	1.5	17
10	Effect of the Order-Disorder Transition on the Seebeck Coefficient of Nanostructured Thermoelectric Cu <sub>2</sub> ZnSnS <sub>4</sub> . <i>Nanomaterials</i> , 2019, 9, 762.	1.9	27
11	A review of performance of zero energy buildings and energy efficiency solutions. <i>Journal of Building Engineering</i> , 2019, 25, 100772.	1.6	204
12	Thermoelectric Properties of TiNiSn Half Heusler Alloy Obtained by Rapid Solidification and Sintering. <i>Journal of Materials Engineering and Performance</i> , 2018, 27, 6306-6313.	1.2	15
13	Thermal expansion and high temperature structural features of the filled skutterudite Sm <sub>2</sub> (Fe <sub>1-x</sub> Ni <sub>x</sub> ) <sub>4</sub> Sb <sub>12</sub> . <i>Intermetallics</i> , 2017, 87, 31-37.	1.8	12
14	Nanostructured Tetrahedrite Synthesis for Thermoelectric Applications. <i>Journal of Nanoscience and Nanotechnology</i> , 2017, 17, 1645-1649.	0.9	6
15	Study of the Performances of a Thermoelectric Generator Based on a Catalytic Meso-Scale H <sub>2</sub> /C <sub>3</sub> H <sub>8</sub> Fueled Combustor. <i>Journal of Nanoscience and Nanotechnology</i> , 2017, 17, 1592-1600.	0.9	14
16	Correlations between Structural and Electronic Properties in the Filled Skutterudite Sm <sub>y</sub> (Fe <sub>x</sub> Ni <sub>1-x</sub> ) <sub>4</sub> Sb <sub>12</sub> . <i>Inorganic Chemistry</i> , 2016, 55, 2574-2583.	1.9	27
17	Design and Development of a TEG Cogenerator Device Integrated into a Self-Standing Natural Combustion Gas Stove. <i>Journal of Electronic Materials</i> , 2015, 44, 377-383.	1.0	11
18	Update on the Design and Development of a TEG Cogenerator Device Integrated into Self-Standing Gas Heaters. <i>Journal of Electronic Materials</i> , 2013, 42, 2243-2248.	1.0	5

#	ARTICLE	IF	CITATIONS
19	Design and development of a thermoelectric cogeneration device integrated in autonomous gas heaters. , 2012, , .		5
20	High-Energy Ball Milling and Synthesis Temperature Study to Improve Superconducting Properties of $\text{MgB}_2$ Ex-situ Tapes and Wires. IEEE Transactions on Applied Superconductivity, 2009, 19, 2706-2709.	1.1	29
21	Study of the Superconducting and Thermal Properties of <i>ex situ</i> GlidCop-Sheathed Practical $\text{MgB}_2$ Conductors. IEEE Transactions on Applied Superconductivity, 2009, 19, 3670-3674.	1.1	11
22	Superconducting Properties of $\text{V}_3\text{Si}$ Thin Films Grown by Pulsed Laser Ablation. IEEE Transactions on Applied Superconductivity, 2009, 19, 2682-2685.	1.1	5
23	Improvement of Magnetic Field Behavior of Ex-Situ Processed Magnesium Diboride Tapes. IEEE Transactions on Applied Superconductivity, 2007, 17, 2766-2769.	1.1	36