Giacomo Cerretti

List of Publications by Year
in descending order

17 papers	917 citations	759233 12 h-index	839539 18 g-index
18 all docs	18 docs citations	18 times ranked	1370 citing authors

#	Article	IF	Citations
1	2 + 2 = 3: Making Ternary Phases through a Binary Approach. Chemistry of Materials, 2022, 34, 1342-1355.	6.7	11
2	The impact of site selectivity and disorder on the thermoelectric properties of Yb₂₁Mn₄Sb₁₈ solid solutions: Yb₂₁Mn_{4âˆ’x}Cd_xSb₁₈ and Yb_{21âˆ’y}Ca_yMn₄Sb₁₈. Materials Advances, 2021, 2, 5764-5776.	5.4	2
3	Thermal management of thermoelectric generators for waste energy recovery. Applied Thermal Engineering, 2021, 196, 117291.	6.0	61
4	Evolution of Thermoelectric Properties in the Triple Cation Zintl Phase: Yb_{13â€“x}Ca_xBaMgSb₁₁ (x = 1â€“6). Chemistry of Materials, 2021, 33, 8059-8069.	6.7	9
5	Solid State Fluorination on the Minute Scale: Synthesis of WO_{3âˆ’_x}F_x with Photocatalytic Activity. Advanced Functional Materials, 2020, 30, 1909051.	14.9	15
6	Enhancement of the Thermal Stability and Thermoelectric Properties of Yb₁₄MnSb₁₁ by Ce Substitution. Chemistry of Materials, 2020, 32, 9268-9276.	6.7	15
7	The remarkable crystal chemistry of the Ca14AlSb11 structure type, magnetic and thermoelectric properties. Journal of Solid State Chemistry, 2019, 271, 88-102.	2.9	56
8	Improving electronic properties and mechanical stability of Yb14MnSb11 via W compositing. Journal of Applied Physics, 2019, 126, .	2.5	16
9	Hydride assisted synthesis of the high temperature thermoelectric phase: Yb14MgSb11. Journal of Applied Physics, 2019, 126, .	2.5	22
10	Thermoelectrics: From history, a window to the future. Materials Science and Engineering Reports, 2019, 138, 100501.	31.8	341
11	Spark Plasma Sintering (SPS)-Assisted Synthesis and Thermoelectric Characterization of MagnÃ©li Phase V₆O₁₁. Inorganic Chemistry, 2018, 57, 1259-1268.	4.0	11
12	Towards higher zT in early transition metal oxides: optimizing the charge carrier concentration of the WO3-x compounds. Materials Today: Proceedings, 2018, 5, 10240-10248.	1.8	2
13	Thermal stability and enhanced thermoelectric properties of the tetragonal tungsten bronzes Nb8âˆ’xW9+xO47 (0 < x < 5). Journal of Materials Chemistry A, 2017, 5, 9768-9774.	10.3	17
14	Polypropylene-based melt mixed composites with singlewalled carbon nanotubes for thermoelectric applications: Switching from p-type to n-type by the addition of polyethylene glycol. Polymer, 2017, 108, 513-520.	3.8	62
15	A chemists view: Metal oxides with adaptive structures for thermoelectric applications. Physica Status Solidi (A) Applications and Materials Science, 2016, 213, 808-823.	1.8	54
16	Alignment engineering in liquid crystalline elastomers: Free-form microstructures with multiple functionalities. Applied Physics Letters, 2015, 106, .	3.3	56
17	Highâ€Resolution 3D Direct Laser Writing for Liquidâ€Crystalline Elastomer Microstructures. Advanced Materials, 2014, 26, 2319-2322.	21.0	165