Tristan Barbier

List of Publications by Year
in descending order

25 papers	748 citations	516215 16 h-index	610482 24 g-index
25 all docs	25 docs citations	25 times ranked	700 citing authors

#	Article	IF	Citations
1	Structural study and evaluation of thermoelectric properties of single-phase isocubanite (CuFe₂S₃) synthesized via an ultra-fast efficient microwave radiation technique. Sustainable Energy and Fuels, 2021, 5, 5804-5813.	2.5	6
2	Tetrahedrites synthesized via scalable mechanochemical process and spark plasma sintering. Journal of the European Ceramic Society, 2020, 40, 1922-1930.	2.8	13
3	XBi₄S₇ (X = Mn, Fe): New Costâ€Efficient Layered nâ€Type Thermoelectric Sulfides with Ultralow Thermal Conductivity. Advanced Functional Materials, 2019, 29, 1904112.	7.8	24
4	CuFe2S3 as electrode material for Li-ion batteries. RSC Advances, 2018, 8, 26691-26695.	1.7	2
5	High temperature neutron powder diffraction study of the Cu 12 Sb 4 S 13 and Cu 4 Sn 7 S 16 phases. Journal of Solid State Chemistry, 2017, 247, 83-89.	1.4	23
6	The Influence of Mobile Copper Ions on the Glass-Like Thermal Conductivity of Copper-Rich Tetrahedrites. Chemistry of Materials, 2017, 29, 4080-4090.	3.2	66
7	Structural and thermoelectric properties of n-type isocubanite CuFe₂S₃. Inorganic Chemistry Frontiers, 2017, 4, 424-432.	3.0	40
8	Copper Hyper-Stoichiometry: The Key for the Optimization of Thermoelectric Properties in Stannoidite Cu_{8+x}Fe_{3â€“x}Sn₂S₁₂. Journal of Physical Chemistry C, 2017, 121, 16454-16461.	1.5	42
9	Thermal deformation effects on thermoelectric properties for Bi0.82Sb0.18 alloys. Journal of Alloys and Compounds, 2017, 692, 563-568.	2.8	6
10	Thermoelectric properties of (BaCoO3-y)n BaCo8O11. AIP Conference Proceedings, 2016, , .	0.3	5
11	Thermoelectric Materials: A New Rapid Synthesis Process for Nontoxic and Highâ€Performance Tetrahedrite Compounds. Journal of the American Ceramic Society, 2016, 99, 51-56.	1.9	62
12	Decreased thermal conductivity in Bi₂Sr₂Co₂O_x bulk materials prepared by partial melting. Journal of Materials Research, 2016, 31, 1296-1305.	1.2	18
13	Structural Investigation and Indium Substitution in the Thermoelectric Mn2.7Cr0.3Si4Al2â^'x In x Series. Journal of Electronic Materials, 2016, 45, 1992-1999.	1.0	0
14	Up-scaled synthesis process of sulphur-based thermoelectric materials. RSC Advances, 2016, 6, 10044-10053.	1.7	22
15	The impact of charge transfer and structural disorder on the thermoelectric properties of cobalt intercalated TiS₂. Journal of Materials Chemistry C, 2016, 4, 1871-1880.	2.7	32
16	Thermoelectric properties of TiS2 mechanically alloyed compounds. Journal of the European Ceramic Society, 2016, 36, 1183-1189.	2.8	37
17	Thermoelectric materials for middle and high temperature ranges. Journal of Materials Research, 2015, 30, 2544-2557.	1.2	16
18	Durability of Silicide-Based Thermoelectric Modules at High Temperatures in Air. Journal of Electronic Materials, 2015, 44, 2946-2952.	1.0	8

#	Article	IF	Citations
19	Structural stability of the synthetic thermoelectric ternary and nickel-substituted tetrahedrite phases. Journal of Alloys and Compounds, 2015, 634, 253-262.	2.8	147
20	Silver intercalation in SPS dense TiS₂: staging and thermoelectric properties. Dalton Transactions, 2015, 44, 7887-7895.	1.6	32
21	Ordered-Defect Sulfides as Thermoelectric Materials. Journal of Electronic Materials, 2014, 43, 2029-2034.	1.0	23
22	Mass Fluctuation Effect in Ti1âˆ'x Nb x S2 Bulk Compounds. Journal of Electronic Materials, 2014, 43, 1590-1596.	1.0	28
23	Electron doping and phonon scattering in Ti 1+ x S 2 thermoelectric compounds. Acta Materialia, 2014, 78, 86-92.	3.8	70
24	Cu-doping effect on dielectric properties of organic gel synthesized Ba4YMn3âˆ'xCuxO11.5Â±Î´. Journal of Solid State Chemistry, 2013, 206, 217-225.	1.4	4
25	Dielectric properties of hexagonal perovskite ceramics prepared by different routes. Materials Research Bulletin, 2012, 47, 4427-4432.	2.7	22