Yohan Bouyrie

List of Publications by Year
in descending order

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17	670	623574	940416
papers	citations	14 h-index	16 g-index

18	18	18	543
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Enhancement of the thermoelectric power factor by tuning the carrier concentration in Cu-rich and Ge-poor colusites Cu26+xNb2Ge6â^'xS32. Journal of Materials Chemistry C, 2020, 8, 6442-6449.	2.7	5
2	Atomic-scale phonon scatterers in thermoelectric colusites with a tetrahedral framework structure. Journal of Materials Chemistry A, 2019, 7, 228-235.	5.2	41
3	Power generation from the Cu₂₆Nb₂Ge₆S₃₂-based single thermoelectric element with Au diffusion barrier. Journal of Materials Chemistry C, 2019, 7, 5184-5192.	2.7	33
4	Carrier concentration tuning in thermoelectric thiospinel Cu2CoTi3S8 by oxidative extraction of copper. Journal of Solid State Chemistry, 2018, 259, 5-10.	1.4	17
5	High-Performance Thermoelectric Bulk Colusite by Process Controlled Structural Disordering. Journal of the American Chemical Society, 2018, 140, 2186-2195.	6.6	98
6	Addition of Co, Ni, Fe and their role in the thermoelectric properties of colusite Cu26Nb2Ge6S32. Journal of Alloys and Compounds, 2018, 735, 1838-1845.	2.8	15
7	Effects of Ge and Sn substitution on the metalâ€“semiconductor transition and thermoelectric properties of Cu₁₂Sb₄S₁₃tetrahedrite. Physical Chemistry Chemical Physics, 2017, 19, 8874-8879.	1.3	39
8	Enhancement in the thermoelectric performance of colusites Cu₂₆A₂E₆S₃₂(A = Nb, Ta; E = Sn, Ge) using E-site non-stoichiometry. Journal of Materials Chemistry C, 2017, 5, 4174-4184.	2.7	49
9	Vanadium-free colusites Cu₂₆A₂Sn₆S₃₂(A = Nb, Ta) for environmentally friendly thermoelectrics. Journal of Materials Chemistry A, 2016, 4, 15207-15214.	5.2	58
10	Cu Insertion Into the Mo₁₂ Cluster Compound Cs₂Mo₁₂Se₁₄: Synthesis, Crystal and Electronic Structures, and Physical Properties. Inorganic Chemistry, 2016, 55, 6616-6624.	1.9	16
11	Thermoelectric properties of double-substituted tetrahedrites Cu_{12â^'x}Co_xSb_{4â^'y}Te_yS₁₃. Dalton Transactions, 2016, 45, 7294-7302.	1.6	32
12	High Temperature Transport Properties of Tetrahedrite Cu12â^'x M x Sb4â^'y Te y S13 (MÂ=ÂZn, Ni) Compounds. Journal of Electronic Materials, 2016, 45, 1601-1605.	1.0	27
13	From crystal to glass-like thermal conductivity in crystalline minerals. Physical Chemistry Chemical Physics, 2015, 17, 19751-19758.	1.3	96
14	Exsolution Process as a Route toward Extremely Low Thermal Conductivity in Cu₁₂Sb_{4â€“x}Te_xS₁₃ Tetrahedrites. Chemistry of Materials, 2015, 27, 8354-8361.	3.2	49
15	Crystal structure, electronic band structure and high-temperature thermoelectric properties of Te-substituted tetrahedrites Cu₁₂Sb_{4â^'x}Te_xS₁₃(0.5 â‰¤ x) Tj ET Q q 1 1 0 0 78431	1.7	
16	Gaâ€“Geâ€“Te amorphous thin films fabricated by pulsed laser deposition. Thin Solid Films, 2013, 531, 454-459.	0.8	13
17	Tetrahedrites: Prospective Novel Thermoelectric Materials. , 0, , .		3