

CÃ©dric BourgÃ©s

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

504
citations

687363

13
h-index

752698

20
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22
all docs

22
docs citations

22
times ranked

589
citing authors

#	ARTICLE	IF	CITATIONS
1	High-Performance Thermoelectric Bulk Colusite by Process Controlled Structural Disorderng. Journal of the American Chemical Society, 2018, 140, 2186-2195.	13.7	98
2	Low thermal conductivity in ternary Cu ₄ Sn ₇ S ₁₆ compound. Acta Materialia, 2015, 97, 180-190.	7.9	61
3	Screening of transition (Y, Zr, Hf, V, Nb, Mo, and Ru) and rare-earth (La and Pr) elements as potential effective dopants for thermoelectric GeTe â€“ an experimental and theoretical appraisal. Journal of Materials Chemistry A, 2020, 8, 19805-19821.	10.3	43
4	Structural analysis and thermoelectric properties of mechanically alloyed colusites. Journal of Materials Chemistry C, 2016, 4, 7455-7463.	5.5	42
5	Thermoelectric properties of TiS ₂ mechanically alloyed compounds. Journal of the European Ceramic Society, 2016, 36, 1183-1189.	5.7	37
6	Thermoelectric materials taking advantage of spin entropy: lessons from chalcogenides and oxides. Science and Technology of Advanced Materials, 2021, 22, 583-596.	6.1	27
7	Disorder-driven glassy thermal conductivity in colusite. http://www.w3.org/1998/Math/MathML $C_u_{1-x}V_{26}S_{42}$	2.4	24
8	Heterometallic Benzenehexathiolato Coordination Nanosheets: Periodic Structure Improves Crystallinity and Electrical Conductivity. Advanced Materials, 2022, 34, e2106204.	21.0	24
9	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.	2.9	23
10	Tailoring the thermoelectric and structural properties of Cuâ€“Sn based thiospinel compounds [CuM _{1+x} Sn _{1-x} S ₄] (M = Ti, V, Cr, Co). Journal of Materials Chemistry C, 2020, 8, 16368-16383.	5.5	21
11	Role of cobalt for titanium substitution on the thermoelectric properties of the thiospinel CuTi ₂ S ₄ . Journal of Alloys and Compounds, 2019, 781, 1169-1174.	5.5	20
12	Phonon Scattering and Electron Doping by 2D Structural Defects in In/ZnO. ACS Applied Materials & Interfaces, 2018, 10, 6415-6423.	8.0	18
13	Drastic power factor improvement by Te doping of rare earth-free CoSb ₃ -skutterudite thin films. RSC Advances, 2020, 10, 21129-21135.	3.6	14
14	Off-stoichiometry effect on thermoelectric properties of the new p-type sulfides compounds Cu ₂ CoGeS ₄ . Journal of Alloys and Compounds, 2020, 826, 154240.	5.5	14
15	The Effect of Reactive Electric Field-Assisted Sintering of MoS ₂ /Bi ₂ Te ₃ Heterostructure on the Phase Integrity of Bi ₂ Te ₃ Matrix and the Thermoelectric Properties. Materials, 2022, 15, 53.	2.9	11
16	Revealing an elusive metastable wurtzite CuFeS ₂ and the phase switching between wurtzite and chalcopyrite for thermoelectric thin films. Acta Materialia, 2022, 235, 118090.	7.9	10
17	Insight of the preponderant role of the lattice size in the Sn-based colusite for promoting high power factor. Journal of Materials Chemistry A, 0, , .	10.3	5
18	Investigation on the Power Factor of Skutterudite Smy(FexNi ^{1-x}) ₄ Sb ₁₂ Thin Films: Effects of Deposition and Annealing Temperature. Materials, 2021, 14, 5773.	2.9	4

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19	Synthesis of novel hexamolybdenum cluster-functionalized copper hydroxide nanocomposites and its catalytic activity for organic molecule degradation. <i>Science and Technology of Advanced Materials</i> , 2021, 22, 758-771.	6.1	3
20	Induced 2H-Phase Formation and Low Thermal Conductivity by Reactive Spark Plasma Sintering of 1T-Phase Pristine and Co-Doped MoS ₂ Nanosheets. <i>ACS Omega</i> , 2021, 6, 32783-32790.	3.5	3
21	Facile Fabrication of N-Type Flexible CoSb _{3-x} Te _x Skutterudite/PEDOT:PSS Hybrid Thermoelectric Films. <i>Polymers</i> , 2022, 14, 1986.	4.5	2
22	Thermoelectric properties of Cu-Doped Heusler compound Fe _{2-x} Cu _x . <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 0, , .	1.2	0