

# CÃ©dric BourgÃ©s

## List of Publications by Year in descending order

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22  
papers

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citations

687363

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752698

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citing authors

#	ARTICLE	IF	CITATIONS
1	Heterometallic Benzenhexathiolato Coordination Nanosheets: Periodic Structure Improves Crystallinity and Electrical Conductivity. <i>Advanced Materials</i> , 2022, 34, e2106204.	21.0	24
2	The Effect of Reactive Electric Field-Assisted Sintering of MoS <sub>2</sub> /Bi <sub>2</sub> Te <sub>3</sub> Heterostructure on the Phase Integrity of Bi <sub>2</sub> Te <sub>3</sub> Matrix and the Thermoelectric Properties. <i>Materials</i> , 2022, 15, 53.	2.9	11
3	Facile Fabrication of N-Type Flexible CoSb <sub>3-x</sub> Te <sub>x</sub> Skutterudite/PEDOT:PSS Hybrid Thermoelectric Films. <i>Polymers</i> , 2022, 14, 1986.	4.5	2
4	Revealing an elusive metastable wurtzite CuFeS <sub>2</sub> and the phase switching between wurtzite and chalcopyrite for thermoelectric thin films. <i>Acta Materialia</i> , 2022, 235, 118090.	7.9	10
5	Thermoelectric materials taking advantage of spin entropy: lessons from chalcogenides and oxides. <i>Science and Technology of Advanced Materials</i> , 2021, 22, 583-596.	6.1	27
6	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
7	Investigation on the Power Factor of Skutterudite Sm <sub>y</sub> (Fe <sub>x</sub> Ni <sub>1-<math>\hat{x}</math>)<sub>4</sub>Sb<sub>12</sub> Thin Films: Effects of Deposition and Annealing Temperature. <i>Materials</i>, 2021, 14, 5773.</sub>	2.9	4
8	Induced 2H-Phase Formation and Low Thermal Conductivity by Reactive Spark Plasma Sintering of 1T-Phase Pristine and Co-Doped MoS <sub>2</sub> Nanosheets. <i>ACS Omega</i> , 2021, 6, 32783-32790.	3.5	3
9	Tailoring the thermoelectric and structural properties of Cu $\hat{S}$ Sn based thiospinel compounds [CuM <sub>1+x</sub> Sn <sub>1<math>\hat{x}</math></sub> S <sub>4</sub> ] (M = Ti, V, Cr, Co). <i>Journal of Materials Chemistry C</i> , 2020, 8, 16368-16383.	5.5	21
10	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 $\hat{C}$ an experimental and theoretical appraisal. <i>Journal of Materials Chemistry A</i> , 2020, 8, 19805-19821.	10.3	43
11	Drastic power factor improvement by Te doping of rare earth-free CoSb <sub>3</sub> -skutterudite thin films. <i>RSC Advances</i> , 2020, 10, 21129-21135.	3.6	14
12	Off-stoichiometry effect on thermoelectric properties of the new p-type sulfides compounds Cu <sub>2</sub> CoGeS <sub>4</sub> . <i>Journal of Alloys and Compounds</i> , 2020, 826, 154240.	5.5	14
13	Disorder-driven glasslike thermal conductivity in Colusite $\hat{C}$ $\frac{C_{1-x}V_xS_4}{\text{Colusite}}$	2.4	24
14	Role of cobalt for titanium substitution on the thermoelectric properties of the thiospinel CuTi <sub>2</sub> S <sub>4</sub> . <i>Journal of Alloys and Compounds</i> , 2019, 781, 1169-1174.	5.5	20
15	Phonon Scattering and Electron Doping by 2D Structural Defects in In/ZnO. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 6415-6423.	8.0	18
16	High-Performance Thermoelectric Bulk Colusite by Process Controlled Structural Disorder. <i>Journal of the American Chemical Society</i> , 2018, 140, 2186-2195.	13.7	98
17	High temperature neutron powder diffraction study of the Cu <sub>12</sub> Sb <sub>4</sub> S <sub>13</sub> and Cu <sub>4</sub> Sn <sub>7</sub> S <sub>16</sub> phases. <i>Journal of Solid State Chemistry</i> , 2017, 247, 83-89.	2.9	23
18	Structural analysis and thermoelectric properties of mechanically alloyed colusites. <i>Journal of Materials Chemistry C</i> , 2016, 4, 7455-7463.	5.5	42

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19	Thermoelectric properties of TiS <sub>2</sub> mechanically alloyed compounds. Journal of the European Ceramic Society, 2016, 36, 1183-1189.	5.7	37
20	Low thermal conductivity in ternary Cu <sub>4</sub> Sn <sub>7</sub> S <sub>16</sub> compound. Acta Materialia, 2015, 97, 180-190.	7.9	61
21	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
22	Thermoelectric properties of Cu-doped Heusler compound Fe <sub>2</sub> Cu <sub>2</sub> VAI. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 0, , .	1.2	0