

# Emanuel Guilmeau

## List of Publications by Year in descending order

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115  
papers

4,592  
citations

76326

40  
h-index

128289

60  
g-index

115  
all docs

115  
docs citations

115  
times ranked

3482  
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermoelectric Ceramics for Energy Harvesting. Journal of the American Ceramic Society, 2013, 96, 1-23.	3.8	286
2	:Ge, a promising n-type thermoelectric oxide composite. Solid State Communications, 2008, 146, 97-101.	1.9	158
3	Transport and thermoelectric properties in Copper intercalated TiS <sub>2</sub> chalcogenide. Applied Physics Letters, 2011, 99, .	3.3	149
4	Structural stability of the synthetic thermoelectric ternary and nickel-substituted tetrahedrite phases. Journal of Alloys and Compounds, 2015, 634, 253-262.	5.5	147
5	Preparation of Ni-doped ZnO ceramics for thermoelectric applications. Journal of the European Ceramic Society, 2011, 31, 2957-2963.	5.7	117
6	Tuning the transport and thermoelectric properties of In <sub>2</sub> O <sub>3</sub> bulk ceramics through doping at In-site. Journal of Applied Physics, 2009, 106, .	2.5	99
7	High-Performance Thermoelectric Bulk Colusite by Process Controlled Structural Disorder. Journal of the American Chemical Society, 2018, 140, 2186-2195.	13.7	98
8	Invited Article: A round robin test of the uncertainty on the measurement of the thermoelectric dimensionless figure of merit of Co <sub>0.97</sub> Ni <sub>0.03</sub> Sb <sub>3</sub> . Review of Scientific Instruments, 2015, 86, 011301.	1.3	92
9	Synthesis of calcium carbonate polymorphs in the presence of polyacrylic acid. Journal of Crystal Growth, 2008, 310, 2832-2841.	1.5	79
10	On the strong impact of doping in the triangular antiferromagnet CuCrO <sub>2</sub> . Solid State Communications, 2009, 149, 962-967.	1.9	73
11	Intrinsic magnetic properties of In <sub>2</sub> O <sub>3</sub> and transition metal-doped-In <sub>2</sub> O <sub>3</sub> . Journal of Magnetism and Magnetic Materials, 2008, 320, 983-989.	2.3	72
12	Thermoelectric ceramics for generators. Journal of the European Ceramic Society, 2008, 28, 41-48.	5.7	70
13	Electron doping and phonon scattering in Ti <sub>1+x</sub> S <sub>2</sub> thermoelectric compounds. Acta Materialia, 2014, 78, 86-92.	7.9	70
14	Improving the thermoelectric properties of SrTiO <sub>3</sub> -based ceramics with metallic inclusions. Journal of Alloys and Compounds, 2018, 731, 723-730.	5.5	70
15	The effect of MgO addition on the formation and the superconducting properties of the Bi <sub>2</sub> 223 phase. Physica C: Superconductivity and Its Applications, 2003, 387, 382-390.	1.2	69
16	From oxides to selenides and sulfides: The richness of the CdI <sub>2</sub> type crystallographic structure for thermoelectric properties. Physica Status Solidi (A) Applications and Materials Science, 2013, 210, 69-81.	1.8	69
17	The Influence of Mobile Copper Ions on the Glass-Like Thermal Conductivity of Copper-Rich Tetrahedrites. Chemistry of Materials, 2017, 29, 4080-4090.	6.7	66
18	Tuning the thermoelectric properties of A-site deficient SrTiO <sub>3</sub> ceramics by vacancies and carrier concentration. Physical Chemistry Chemical Physics, 2016, 18, 26475-26486.	2.8	63

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19	Thermoelectric Materials: A New Rapid Synthesis Process for Nontoxic and High-Performance Tetrahedrite Compounds. <i>Journal of the American Ceramic Society</i> , 2016, 99, 51-56.	3.8	62
20	Low thermal conductivity in ternary Cu <sub>4</sub> Sn <sub>7</sub> S <sub>16</sub> compound. <i>Acta Materialia</i> , 2015, 97, 180-190.	7.9	61
21	A copper-containing oxytelluride as a promising thermoelectric material for waste heat recovery. <i>Journal of Materials Chemistry A</i> , 2013, 1, 520-523.	10.3	59
22	On the effects of substitution, intercalation, non-stoichiometry and block layer concept in TiS <sub>2</sub> based thermoelectrics. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 24541-24555.	2.8	59
23	Revisiting some chalcogenides for thermoelectricity. <i>Science and Technology of Advanced Materials</i> , 2012, 13, 053003.	6.1	58
24	Searching for new thermoelectric materials: some examples among oxides, sulfides and selenides. <i>Journal of Physics Condensed Matter</i> , 2016, 28, 013001.	1.8	56
25	Thermoelectric properties of Ca <sub>3</sub> Co <sub>4</sub> O <sub>9</sub> –Co <sub>3</sub> O <sub>4</sub> composites. <i>Ceramics International</i> , 2015, 41, 10038-10043.	4.8	55
26	Thermoelectric properties–texture relationship in highly oriented Ca <sub>3</sub> Co <sub>4</sub> O <sub>9</sub> composites. <i>Applied Physics Letters</i> , 2004, 85, 1490-1492.	3.3	54
27	Thermoelectric Oxides: Effect of Doping in Delafossites and Zinc Oxide. <i>Journal of Electronic Materials</i> , 2009, 38, 1104-1108.	2.2	54
28	Solution-based synthesis routes to thermoelectric Bi <sub>2</sub> Ca <sub>2</sub> Co <sub>1.7</sub> O <sub>x</sub> . <i>Journal of the European Ceramic Society</i> , 2011, 31, 1763-1769.	5.7	53
29	Promising thermoelectric properties in Ag <sub>x</sub> Mo <sub>9</sub> Se <sub>11</sub> compounds (3.4%–3.9%). <i>Applied Physics Letters</i> , 2011, 98, 162106.	3.3	52
30	High Power Factors of Thermoelectric Colusites Cu <sub>26</sub> Ti <sub>2</sub> Ge <sub>6</sub> S <sub>32</sub> (Ti = Cr, Mo, W): Toward Functionalization of the Conductive Cu–S Network. <i>Advanced Energy Materials</i> , 2019, 9, 1803249.	19.5	51
31	Improvement of Bi <sub>2</sub> Sr <sub>2</sub> Co <sub>1.8</sub> O <sub>x</sub> thermoelectric properties by laser floating zone texturing. <i>Solid State Ionics</i> , 2009, 180, 827-830.	2.7	45
32	Improved thermoelectric properties in directionally grown Bi <sub>2</sub> Sr <sub>2</sub> Co <sub>1.8</sub> O <sub>y</sub> ceramics by Pb for Bi substitution. <i>Materials Research Bulletin</i> , 2011, 46, 2537-2542.	5.2	45
33	The crucial role of selenium for sulphur substitution in the structural transitions and thermoelectric properties of Cu <sub>5</sub> FeS <sub>4</sub> bornite. <i>Dalton Transactions</i> , 2017, 46, 2174-2183.	3.3	45
34	Synthesis and thermoelectric properties of Bi <sub>2.5</sub> Ca <sub>2.5</sub> Co <sub>2</sub> O <sub>x</sub> layered cobaltites. <i>Journal of Materials Research</i> , 2005, 20, 1002-1008.	2.6	44
35	ZrSe <sub>3</sub> -Type Variant of TiS <sub>3</sub> : Structure and Thermoelectric Properties. <i>Chemistry of Materials</i> , 2014, 26, 5585-5591.	6.7	44
36	Thermal conductivity and stability of Al-doped ZnO nanostructured ceramics. <i>Journal of the European Ceramic Society</i> , 2018, 38, 5015-5020.	5.7	43

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37	Structural analysis and thermoelectric properties of mechanically alloyed colusites. Journal of Materials Chemistry C, 2016, 4, 7455-7463.	5.5	42
38	Inversion Boundaries and Phonon Scattering in Ga:ZnO Thermoelectric Compounds. Inorganic Chemistry, 2017, 56, 480-487.	4.0	42
39	Copper Hyper-Stoichiometry: The Key for the Optimization of Thermoelectric Properties in Stannoidite $\text{Cu}_{8+x}\text{Fe}_3\text{Sn}_2\text{S}_{12}$ . Journal of Physical Chemistry C, 2017, 121, 16454-16461.	3.1	42
40	Magnetic properties of bulk Fe-doped indium oxide. Journal of Physics Condensed Matter, 2007, 19, 236224.	1.8	41
41	Atomic-scale phonon scatterers in thermoelectric colusites with a tetrahedral framework structure. Journal of Materials Chemistry A, 2019, 7, 228-235.	10.3	41
42	Structural and thermoelectric properties of n-type isocubanite $\text{CuFe}_2\text{S}_3$ . Inorganic Chemistry Frontiers, 2017, 4, 424-432.	6.0	40
43	Designing a Thermoelectric Copper-Rich Sulfide from a Natural Mineral: Synthetic Germanite $\text{Cu}_{22}\text{Fe}_8\text{Ge}_4\text{S}_{32}$ . Inorganic Chemistry, 2017, 56, 13376-13381.	4.0	40
44	Fabrication and properties of textured Bi-based cobaltite thermoelectric rods by zone melting. Journal of the European Ceramic Society, 2007, 27, 3697-3700.	5.7	39
45	Enhancement of the thermoelectric properties of directionally grown $\text{Bi}_{1-x}\text{Ca}_x\text{O}$ through Pb for Bi substitution. Journal of the European Ceramic Society, 2010, 30, 1815-1820.	5.7	39
46	Design of Apparatus for Ni/Mg <sub>2</sub> Si and Ni/MnSi <sub>1.75</sub> Contact Resistance Determination for Thermoelectric Legs. Journal of Electronic Materials, 2014, 43, 2023-2028.	2.2	39
47	Thermoelectric properties in the series $\text{Ti}_{1-x}\text{Ta}_x\text{S}_2$ . Journal of Applied Physics, 2014, 115, .	2.5	39
48	Enhancement of the thermoelectric performances of $\text{In}_2\text{O}_3$ by the coupled substitution of $\text{M}^{2+}/\text{Sn}^{4+}$ for $\text{In}^{3+}$ . Journal of Applied Physics, 2008, 104, .	2.5	37
49	Improved Thermoelectric Properties of $\text{Bi-M-Co-O}$ ( $\text{M}=\text{Sr}, \text{Ca}$ ) Misfit Compounds by Laser Directional Solidification. Journal of Electronic Materials, 2010, 39, 1601-1605.	2.2	37
50	Thermoelectric properties of $\text{TiS}_2$ mechanically alloyed compounds. Journal of the European Ceramic Society, 2016, 36, 1183-1189.	5.7	37
51	Enhancement of Electrical Properties of the Thermoelectric Compound $\text{Ca}_3\text{Co}_4\text{O}_9$ through Use of Large-grained Powder. Journal of Materials Research, 2005, 20, 2491-2497.	2.6	36
52	Copper-Rich Thermoelectric Sulfides: Size-Mismatch Effect and Chemical Disorder in the $[\text{TiS}_4]\text{Cu}_6$ Complexes of $\text{Cu}_{26}\text{Ti}_2\text{Ge}_6\text{S}_{32}$ ( $\text{Ti}=\text{Cr}, \text{Mo}, \text{W}$ ) Colusites. Angewandte Chemie - International Edition, 2019, 58, 15455-15463.	13.8	36
53	Recent developments in high-performance thermoelectric sulphides: an overview of the promising synthetic colusites. Journal of Materials Chemistry C, 2021, 9, 773-795.	5.5	33
54	Silver intercalation in SPS dense $\text{TiS}_2$ : staging and thermoelectric properties. Dalton Transactions, 2015, 44, 7887-7895.	3.3	32

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55	The impact of charge transfer and structural disorder on the thermoelectric properties of cobalt intercalated $\text{TiS}_2$ . Journal of Materials Chemistry C, 2016, 4, 1871-1880.	5.5	32
56	Mg substitution in $\text{CuCrO}_2$ delafossite compounds. Solid State Communications, 2011, 151, 1798-1801.	1.9	31
57	CdI2 structure type as potential thermoelectric materials: Synthesis and high temperature thermoelectric properties of the solid solution $\text{TiS}_x\text{Se}_{2-x}$ . Journal of Alloys and Compounds, 2012, 521, 121-125.	5.5	31
58	Substituting Copper with Silver in the $\text{BiMOCh}$ Layered Compounds (M = Cu or Ag; Ch = S, Se, or Te): Crystal, Electronic Structure, and Optoelectronic Properties. Chemistry of Materials, 2018, 30, 549-558.	6.7	31
59	Thermoelectric anisotropy and texture of intercalated $\text{TiS}_2$ . Applied Physics Letters, 2017, 111, .	3.3	30
60	Abnormal Grain Growth as a Method To Enhance the Thermoelectric Performance of Nb-Doped Strontium Titanate Ceramics. ACS Sustainable Chemistry and Engineering, 2018, 6, 15988-15994.	6.7	30
61	Rietveld texture analysis of complex oxides: examples of polyphased $\text{Bi}_2\text{Te}_3$ superconducting and $\text{Co}_3\text{S}_4$ thermoelectric textured ceramics characterization using neutron and X-ray diffraction. Journal of Applied Crystallography, 2005, 38, 199-210.	4.5	28
62	Mass Fluctuation Effect in $\text{Ti}_{1-x}\text{Nb}_x\text{S}_2$ Bulk Compounds. Journal of Electronic Materials, 2014, 43, 1590-1596.	2.2	28
63	Textured Al-doped ZnO ceramics with isotropic grains. Journal of the European Ceramic Society, 2014, 34, 4247-4256.	5.7	26
64	Thermoelectric properties of $\text{In}_{0.2}\text{Co}_4\text{Sb}_{12}$ skutterudites with embedded PbTe or ZnO nanoparticles. Journal of Alloys and Compounds, 2014, 589, 513-523.	5.5	25
65	Synthesis and Thermoelectric Properties in the 2D $\text{Ti}_1-x\text{Nb}_x\text{S}_3$ Trichalcogenides. Materials, 2015, 8, 2514-2522.	2.9	25
66	Thermoelectric $\text{Cu}_2\text{S}$ -Based Materials Synthesized via a Scalable Mechanochemical Process. ACS Sustainable Chemistry and Engineering, 2021, 9, 2003-2016.	6.7	25
67	Crystal Structure Classification of Copper-Based Sulfides as a Tool for the Design of Inorganic Functional Materials. Angewandte Chemie - International Edition, 2022, 61, .	13.8	25
68	Effects of Grain Size on the Thermoelectric Properties of $\text{Cu}_2\text{SnS}_3$ : An Experimental and First-Principles Study. ACS Applied Energy Materials, 2021, 4, 12604-12612.	5.1	25
69	A new wide band gap thermoelectric quaternary selenide $\text{Cu}_2\text{MgSnSe}_4$ . Journal of Applied Physics, 2015, 118, .	2.5	24
70	$\text{XBi}_4\text{S}_7$ (X = Mn, Fe): New Cost-Efficient Layered $\text{A}_2\text{B}_2\text{C}_2$ -Type Thermoelectric Sulfides with Ultralow Thermal Conductivity. Advanced Functional Materials, 2019, 29, 1904112.	14.9	24
71	Key Role of $d^{10}$ and $d^{10}$ Cations for the Design of Semiconducting Colusites: Large Thermoelectric $ZT$ in $\text{Cu}_{26}\text{Ti}_2\text{Sb}_6\text{S}_{32}$ Disorder-driven glasslike thermal conductivity. Colusite56	6.7	24
72	Disorder-driven glasslike thermal conductivity in colusite $\text{Cu}_{26}\text{Ti}_2\text{Sb}_6\text{S}_{32}$	2.4	24

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73	Modulated Misfit Structure of the Thermoelectric $[\text{Bi}_{0.84}\text{CaO}_2]_2[\text{CoO}_2]_{1.69}$ Cobalt Oxide. Inorganic Chemistry, 2008, 47, 2464-2471.	4.0	23
74	Ordered-Defect Sulfides as Thermoelectric Materials. Journal of Electronic Materials, 2014, 43, 2029-2034.	2.2	23
75	High temperature neutron powder diffraction study of the $\text{Cu}_{12}\text{Sb}_4\text{S}_{13}$ and $\text{Cu}_4\text{Sn}_7\text{S}_{16}$ phases. Journal of Solid State Chemistry, 2017, 247, 83-89.	2.9	23
76	Ordered sphalerite derivative $\text{Cu}_5\text{Sn}_2\text{S}_7$ : a degenerate semiconductor with high carrier mobility in the $\text{Cu-Sn-S}$ diagram. Journal of Materials Chemistry A, 2021, 9, 10812-10826.	10.3	23
77	Rietveld Texture Analysis of Alumina Ceramics by Neutron Diffraction. Chemistry of Materials, 2005, 17, 102-106.	6.7	22
78	Up-scaled synthesis process of sulphur-based thermoelectric materials. RSC Advances, 2016, 6, 10044-10053.	3.6	22
79	A scalable synthesis route for multiscale defect engineering in the sustainable thermoelectric quaternary sulfide $\text{Cu}_{26}\text{V}_2\text{Sn}_6\text{S}_{32}$ . Acta Materialia, 2020, 195, 229-239.	7.9	22
80	Microwave sintering of Ge-doped $\text{In}_2\text{O}_3$ thermoelectric ceramics prepared by slip casting process. Journal of the European Ceramic Society, 2015, 35, 145-151.	5.7	21
81	Controlling the Thermoelectric Properties of Nb-Doped $\text{TiO}_2$ Ceramics through Engineering Defect Structures. ACS Applied Materials & Interfaces, 2021, 13, 57326-57340.	8.0	21
82	Modelling of the magnetic behaviour of random granular superconductors by the single junction model. Superconductor Science and Technology, 2001, 14, 904-909.	3.5	20
83	Transport and magnetic properties of highly densified $\text{CoS}_2$ ceramic. Journal of Applied Physics, 2013, 114, .	2.5	20
84	Role of cobalt for titanium substitution on the thermoelectric properties of the thiospinel $\text{CuTi}_2\text{S}_4$ . Journal of Alloys and Compounds, 2019, 781, 1169-1174.	5.5	20
85	Thermal Stability of the Crystal Structure and Electronic Properties of the High Power Factor Thermoelectric Colusite $\text{Cu}_{26}\text{Cr}_2\text{Ge}_6\text{S}_{32}$ . Chemistry of Materials, 2020, 32, 830-840.	6.7	19
86	Effect of Bi Substitution on Microstructure and Thermoelectric Properties of Polycrystalline $[\text{Ca}_2\text{CoO}_3]_p\text{CoO}_2$ . Japanese Journal of Applied Physics, 2006, 45, 4152-4158.	1.5	18
87	Phonon Scattering and Electron Doping by 2D Structural Defects in $\text{In/ZnO}$ . ACS Applied Materials & Interfaces, 2018, 10, 6415-6423.	8.0	18
88	Electronic Band Structure Engineering and Enhanced Thermoelectric Transport Properties in Pb-Doped $\text{BiCuOS}$ Oxysulfide. Chemistry of Materials, 2018, 30, 1085-1094.	6.7	18
89	Sinter-forging of strongly textured $\text{Bi}_2\text{223}$ discs with large $\text{Jcs}$ : nucleation and growth of $\text{Bi}_2\text{223}$ from $\text{Bi}_2\text{212}$ crystallites. Superconductor Science and Technology, 2002, 15, 1436-1444.	3.5	17
90	Neutron diffraction texture analysis and thermoelectric properties of $\text{BiCaCoO}$ misfit compounds. Materials Research Bulletin, 2008, 43, 394-400.	5.2	17

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91	Ba <sub>6</sub> Nd <sub>8+2x</sub> Ti <sub>18</sub> O <sub>54</sub> Tungsten Bronze: A New High-Temperature n-Type Oxide Thermoelectric. <i>Journal of Electronic Materials</i> , 2016, 45, 1894-1899.	2.2	17
92	Crossover from Germanite to Renierite-Type Structures in Cu <sub>22</sub> Zn <sub>8</sub> Fe <sub>8</sub> Ge <sub>4</sub> S <sub>32</sub> Thermoelectric Sulfides. <i>ACS Applied Energy Materials</i> , 2019, 2, 7679-7689.	5.1	17
93	Structure, microstructure and thermoelectric properties of germanite-type Cu <sub>22</sub> Fe <sub>8</sub> Ge <sub>4</sub> S <sub>32</sub> compounds. <i>Journal of Alloys and Compounds</i> , 2020, 831, 154767.	5.5	16
94	The effect of Bi <sub>2201</sub> phase on the intergranular critical field and current density in Bi <sub>2223</sub> superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 2002, 377, 304-312.	1.2	15
95	The BiCu <sub>1-x</sub> OS oxysulfide: Copper deficiency and electronic properties. <i>Journal of Solid State Chemistry</i> , 2016, 237, 292-299.	2.9	15
96	Phase formation, microstructure development and thermoelectric properties of (ZnO) <sub>n</sub> In <sub>2</sub> O <sub>3</sub> ceramics. <i>Journal of the European Ceramic Society</i> , 2017, 37, 2833-2842.	5.7	15
97	A Tunable Structural Family with Ultralow Thermal Conductivity: Copper-Deficient Cu <sub>1-x</sub> Bi <sub>1+x</sub> S <sub>3.7</sub> . <i>Journal of the American Chemical Society</i> , 2022, 144, 1846-1860.	13.7	15
98	Structural features and thermoelectric properties of Al-doped (ZnO) <sub>5</sub> In <sub>2</sub> O <sub>3</sub> homologous phases. <i>Journal of the American Ceramic Society</i> , 2017, 100, 3712-3721.	3.8	14
99	Toppling the Transport Properties with Cationic Overstoichiometry in Thermoelectric Colusite: [Cu <sub>26</sub> Cr <sub>2</sub> Ge <sub>6</sub> ] <sub>1+x</sub> S <sub>32</sub> . <i>ACS Applied Energy Materials</i> , 2020, 3, 4180-4185.	5.1	14
100	Local-Disorder-Induced Low Thermal Conductivity in Degenerate Semiconductor Cu <sub>22</sub> Sn <sub>10</sub> S <sub>32</sub> . <i>Inorganic Chemistry</i> , 2021, 60, 16273-16285.	4.0	14
101	High thermoelectric power factor in Fe-substituted Mo <sub>3</sub> Sb <sub>7</sub> . <i>Applied Physics Letters</i> , 2010, 96, 262103.	3.3	13
102	Tetrahedrites synthesized via scalable mechanochemical process and spark plasma sintering. <i>Journal of the European Ceramic Society</i> , 2020, 40, 1922-1930.	5.7	13
103	Long-Range Cationic Order Collapse Triggered by S/Cl Mixed-Anion Occupancy Yields Enhanced Thermoelectric Properties in Cu <sub>5</sub> Sn <sub>2</sub> S <sub>7</sub> . <i>Chemistry of Materials</i> , 2021, 33, 9425-9438.	6.7	11
104	Promoted crystallisation and cationic ordering in thermoelectric Cu <sub>26</sub> V <sub>2</sub> Sn <sub>6</sub> S <sub>32</sub> colusite by eccentric vibratory ball milling. <i>Dalton Transactions</i> , 2020, 49, 15828-15836.	3.3	10
105	Tuning of dimensionless figure of merit via boundary scattering in In <sub>2</sub> O <sub>3</sub> . <i>Journal of Applied Physics</i> , 2011, 110, 124304.	2.5	9
106	Synergistic Effect of Chemical Substitution and Insertion on the Thermoelectric Performance of Cu <sub>26</sub> V <sub>2</sub> Ge <sub>6</sub> S <sub>32</sub> Colusite. <i>Inorganic Chemistry</i> , 2021, 60, 11364-11373.	4.0	7
107	Mechanochemical synthesis of iodine-substituted BiCuOS. <i>Journal of Solid State Chemistry</i> , 2018, 263, 157-163.	2.9	6
108	Issues and opportunities from Peltier effect in functionally-graded colusites: From SPS temperature modeling to enhanced thermoelectric performances. <i>Applied Materials Today</i> , 2021, 22, 100948.	4.3	6

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109	Crystal Structure Classification of Copper-Based Sulfides as a Tool for the Design of Inorganic Functional Materials. <i>Angewandte Chemie</i> , 2022, 134, .	2.0	6
110	Structural study and evaluation of thermoelectric properties of single-phase isocubanite (CuFe <sub>2</sub> S <sub>3</sub> ) synthesized <i>via</i> an ultra-fast efficient microwave radiation technique. <i>Sustainable Energy and Fuels</i> , 2021, 5, 5804-5813.	4.9	6
111	Copper-Rich Thermoelectric Sulfides: Size-Mismatch Effect and Chemical Disorder in the [T <sub>4</sub> S <sub>4</sub> ]Cu <sub>6</sub> Complexes of Cu <sub>26</sub> T <sub>2</sub> Ge <sub>6</sub> S <sub>32</sub> (T=Cr, Mo, W) Colusites. <i>Angewandte Chemie</i> , 2019, 131, 15601-15609.	2.0	5
112	Time-Resolved In Situ Neutron Diffraction Study of Cu <sub>22</sub> Fe <sub>8</sub> Ge <sub>4</sub> S <sub>32</sub> Germanite: A Guide for the Synthesis of Complex Chalcogenides. <i>Chemistry of Materials</i> , 2020, 32, 8993-9000.	6.7	4
113	Transport properties and electronic density-of-states of Zn-doped colusite Cu <sub>26</sub> Cr <sub>2</sub> Ge <sub>6</sub> S <sub>32</sub> . <i>Applied Physics Letters</i> , 2020, 117, 173902.	3.3	4
114	Synthetic minerals tetrahedrites and colusites for thermoelectric power generation. , 2021, , 197-216.		3
115	Bismuth Doping in Nanostructured Tetrahedrite: Scalable Synthesis and Thermoelectric Performance. <i>Nanomaterials</i> , 2021, 11, 1386.	4.1	3