

# Cyril Opeil

## List of Publications by Year in descending order

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22  
papers

581  
citations

687363

13  
h-index

642732

23  
g-index

23  
all docs

23  
docs citations

23  
times ranked

1134  
citing authors

#	ARTICLE	IF	CITATIONS
1	Combined Experimental and Theoretical Investigation of the Premartensitic Transition in $\text{NiMn}_2\text{MnGa}$ . Physical Review Letters, 2008, 100, 165703.	7.8	112
2	Enhancement of Thermoelectric Performance of n-Type PbSe by Cr Doping with Optimized Carrier Concentration. Advanced Energy Materials, 2015, 5, 1401977.	19.5	92
3	Dramatic thermal conductivity reduction by nanostructures for large increase in thermoelectric figure-of-merit of FeSb <sub>2</sub> . Applied Physics Letters, 2011, 99, 092101.	3.3	45
4	Spin ordering and electronic texture in the bilayer iridate Sr <sub>2</sub> IrO <sub>6</sub> . Physical Review Letters, 2010, 105, 087203.	3.2	41
5	Thermoelectric properties of Bi <sub>2</sub> Te <sub>3</sub> nanowires. Applied Physics Letters, 2010, 96, 112101.	3.2	38
6	Tin telluride: A weakly co-elastic metal. Physical Review B, 2010, 82, .	3.2	36
7	Thermoelectric property enhancement by Cu nanoparticles in nanostructured FeSb <sub>2</sub> . Applied Physics Letters, 2013, 102, .	3.3	36
8	The surprising thermal properties of CM carbonaceous chondrites. Meteoritics and Planetary Science, 2020, 55, .	1.6	33
9	Increased thermoelectric performance by Cl doping in nanostructured AgPb <sub>18</sub> SbSe <sub>20</sub> xClx. Nano Energy, 2013, 2, 1121-1127.	16.0	30
10	Phonon drag effect in nanocomposite FeSb <sub>2</sub> . MRS Communications, 2013, 3, 31-36.	1.8	28
11	Role of phonon dispersion in studying phonon mean free paths in skutterudites. Journal of Applied Physics, 2012, 112, 044305.	2.5	24
12	Low temperature thermoelectric properties of p-type copper selenide with Ni, Te and Zn dopants. Journal of Alloys and Compounds, 2017, 699, 718-721.	5.5	17
13	Transport properties of Ni, Co, Fe, Mn doped Cu <sub>0.01</sub> Bi <sub>2</sub> Te <sub>2.7</sub> Se <sub>0.3</sub> for thermoelectric device applications. Journal of Applied Physics, 2012, 112, .	2.5	16
14	Heat capacities of ordinary chondrite falls below 300ÅK. Meteoritics and Planetary Science, 2019, 54, 2729-2743.	1.6	9
15	Thermoelectric properties of Ho-doped Bi <sub>0.88</sub> Sb <sub>0.12</sub> . Journal of Materials Science, 2012, 47, 5729-5734.	3.7	8
16	Onset of antiferromagnetism in UPt <sub>3</sub> via Th substitution studied by muon spin spectroscopy. Physical Review B, 2003, 68, .	3.2	6
17	Experimental determination of phonon thermal conductivity and Lorenz ratio of single-crystal bismuth telluride. MRS Communications, 2017, 7, 922-927.	1.8	4
18	Magnetic Anisotropy and de Haas-van Alphen Oscillations in a Bi Microwire Array Studied via Cantilever Magnetometry at Low Temperatures. Journal of Low Temperature Physics, 2004, 134, 1055-1068.	1.4	1

#	ARTICLE	IF	CITATIONS
19	Angle-Dependent magneto-resistance near the pre-martensitic phase of Ni <sub>2</sub> MnGa. Journal of Physics: Conference Series, 2009, 150, 042109.	0.4	1
20	Thermoelectric properties of Bi-FeSb <sub>2</sub> nanocomposites: Evidence for phonon-drag effect. Materials Research Society Symposia Proceedings, 2012, 1490, 115-120.	0.1	1
21	Enhanced Thermoelectric Properties of FeSbx Nanocomposites Through Stoichiometric Adjustment. Materials Research Society Symposia Proceedings, 2012, 1456, 27.	0.1	1
22	Magnetic Properties of Hot-Pressed $m\text{FeSb}_2$ . IEEE Transactions on Magnetics, 2014, 50, 1-4.	2.1	1