Junsoo Park

List of Publications by Year
in descending order

13 papers	581 citations	840776 11 h-index	1199594 12 g-index
13 all docs	13 docs citations	13 times ranked	542 citing authors

#	Article	IF	Citations
1	How to analyse a density of states. , 2022, 1, 100002.		28
2	Experimental validation of high thermoelectric performance in RECuZnP2 predicted by high-throughput DFT calculations. Materials Horizons, 2021, 8, 209-215.	12.2	38
3	Optimal band structure for thermoelectrics with realistic scattering and bands. Npj Computational Materials, 2021, 7, .	8.7	25
4	Efficient calculation of carrier scattering rates from first principles. Nature Communications, 2021, 12, 2222.	12.8	205
5	Compromise between band structure and phonon scattering in efficient n-Mg3Sb2-Bi thermoelectrics. Materials Today Physics, 2021, 18, 100362.	6.0	41
6	When band convergence is not beneficial for thermoelectrics. Nature Communications, 2021, 12, 3425.	12.8	51
7	High Thermoelectric Performance and Defect Energetics of Multipocketed Full Heusler Compounds. Physical Review Applied, 2020, 14, .	3.8	25
8	Exceptionally high electronic mobility in defect-rich Eu₂ZnSb_{2â^'x}Bi_x alloys. Journal of Materials Chemistry A, 2020, 8, 6004-6012.	10.3	18
9	Leveraging electron-phonon interaction to enhance the thermoelectric power factor in graphene-like semimetals. Physical Review B, 2019, 100, .	3.2	6
10	High Thermoelectric Power Factor and Efficiency from a Highly Dispersive Band in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" overflow="scroll"><mml:msub><mml:mi>Ba</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:mi>Bi</mml:mi><mml:mi>Au</mml:m Physical Review Applied, 2019, 11, .	3.8	49
11	First-principles assessment of thermoelectric properties of CuFeS2. Journal of Applied Physics, 2019, 125, .	2.5	22
12	High Thermoelectric Power Factor in IntermetallicCoSiArising from Energy Filtering of Electrons by Phonon Scattering. Physical Review Applied, 2019, 11, .	3.8	31
13	Wafer-Scale Black Arsenicâ€“Phosphorus Thin-Film Synthesis Validated with Density Functional Perturbation Theory Predictions. ACS Applied Nano Materials, 2018, 1, 4737-4745.	5.0	42