Enamul Haque

List of Publications by Citations

27 papers	235 citations	9 h-index	14 g-index
30 ext. papers	337 ext. citations	3.9 avg, IF	4.42 L-index

#	Paper	IF	Citations
27	First-principles study of elastic, electronic, thermodynamic, and thermoelectric transport properties of TaCoSn. *Results in Physics*, **2018**, 10, 458-465	3.7	52
26	Origin of ultra-low lattice thermal conductivity in Cs2BiAgX6 (X=Cl, Br) and its impact on thermoelectric performance. *Journal of Alloys and Compounds*, **2018**, 748, 63-72	5.7	38
25	Structural, elastic, electronic, magnetic and thermoelectric properties of new quaternary Heusler compounds CoZrMn X (X =Al, Ga, Ge, In). *Computational Condensed Matter*, **2018**, 15, 31-41	1.7	27
24	First-principles study of mechanical, thermodynamic, transport and superconducting properties of Sr3SnO. *Journal of Alloys and Compounds*, **2018**, 730, 279-283	5.7	15
23	Electronic, phonon transport and thermoelectric properties of Cs2InAgCl6 from first-principles study. *Computational Condensed Matter*, **2019**, 19, e00374	1.7	14
22	Structural, elastic, optoelectronic and transport calculations of Sr3SnO under pressure. *Materials Science in Semiconductor Processing*, **2018**, 83, 192-200	4.3	14
21	Electronic properties and low lattice thermal conductivity ( ) of mono-layer (ML) MoS: FP-LAPW incorporated with spin-orbit coupling (SOC).. *RSC Advances*, **2020**, 10, 18830-18840	3.7	13
20	Elastic, electronic and thermoelectric properties of Sr3MN (M = Sb, Bi) under pressure. *Journal of Alloys and Compounds*, **2019**, 783, 593-600	5.7	10
19	Enhanced thermoelectric performance in Ca-substituted Sr3SnO. *Journal of Physics and Chemistry of Solids*, **2018**, 123, 318-326	3.9	9
18	Elastic, magnetic, transport and electronic properties of noncentrosymmetric M2Mo3N (M = Fe, Co, Ni, Rh): A first-principles study. *Journal of Alloys and Compounds*, **2018**, 748, 117-126	5.7	6
17	Elastic, electronic, thermodynamic and transport properties of XOsSi (X=Nb, Ta) superconductors: First-principles calculations. *Journal of Alloys and Compounds*, **2018**, 739, 737-745	5.7	6
16	First-principles prediction of phonon-mediated superconductivity in XBC (X = Mg, Ca, Sr, Ba). *Physical Chemistry Chemical Physics*, **2019**, 21, 8767-8773	3.6	5
15	First-principles prediction of large thermoelectric efficiency in superionic LiSnX (X = S, Se). *Physical Chemistry Chemical Physics*, **2020**, 22, 878-889	3.6	4
14	Outstanding Thermoelectric Performance of MCu3X4 (M = V, Nb, Ta; X = S, Se, Te) with Unaffected Band Degeneracy under Pressure. *ACS Applied Energy Materials*, **2021**, 4, 1942-1953	6.1	4
13	Improving the optical and thermoelectric properties of CsInAgCl with heavy substitutional doping: a DFT insight.. *RSC Advances*, **2021**, 11, 5521-5528	3.7	4
12	DFT based study on structural stability and transport properties of Sr3AsN: A potential thermoelectric material. *Journal of Materials Research*, **2019**, 34, 2635-2642	2.5	3
11	Structural, thermodynamic, electronic and magnetic properties of Sr3Sn1YxO (Y = V, Fe) from first-principles study. *Results in Physics*, **2018**, 11, 283-290	3.7	3

List of Publications

10	First-principles prediction of structural stability and thermoelectric properties of SrGaSnH.. *RSC Advances*, **2021**, 11, 3304-3314	3.7	2
9	Lattice dynamics, transport and superconducting properties of Ba-substituted Sr3SnO. *Solid State Communications*, **2018**, 284-286, 14-19	1.6	2
8	Effect of Bi-substitution on structural stability and improved thermoelectric performance of p-type half-Heusler TaSbRu: A first-principles study. *Computational Materials Science*, **2021**, 190, 110300	3.2	1
7	Electronic structure transition of cubic CsSnCl under pressure: effect of rPBE and PBEsol functionals and GW method. *Heliyon*, **2021**, 7, e07796	3.6	1
6	First-principles predictions of low lattice thermal conductivity and high thermoelectric performance of AZnSb (A = Rb, Cs).. *RSC Advances*, **2021**, 11, 15486-15496	3.7	0
5	Extraordinary thermoelectric performance of NaBaBi with degenerate and highly non-parabolic bands compared to LiBaSb and Bi2Te3. *Sustainable Energy and Fuels*, **2021**, 5, 2441-2450	5.8	0
4	Pressure- and temperature-dependent physical metallurgy in a face-centered cubic NiCoFeCrMn high entropy alloy and its subsystems. *Journal of Alloys and Compounds*, **2021**, 873, 159843	5.7	0
3	First-principles investigation of elastic, transport, electronic and superconducting properties of noncentrosymmetric Re6X (X=Zr, Hf). *Computational Condensed Matter*, **2019**, 19, e00370	1.7	
2	The role of strontium deficiency and pressure on electron-phonon superconductivity in Sr3SnO. *Physica C: Superconductivity and Its Applications*, **2019**, 559, 42-49	1.3	
1	Neutral particle trajectory in the Kerr field. *Journal of Astrophysics and Astronomy*, **2019**, 40, 1	1.4	