

# M M Hossain

## List of Publications by Year in descending order

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17  
papers

399  
citations

840776

11  
h-index

888059

17  
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all docs

17  
docs citations

17  
times ranked

233  
citing authors

#	ARTICLE	IF	CITATIONS
1	Theoretical investigation of structural, elastic, and electronic properties of ternary boride MoAlB. Physica Status Solidi (B): Basic Research, 2017, 254, 1700010.	1.5	113
2	First-Principles Study of Superconducting ScRhP and ScIrP pnictides. Physica Status Solidi (B): Basic Research, 2017, 254, 1700336.	1.5	39
3	Predicted MAX Phase Sc <sub>2</sub> InC: Dynamical Stability, Vibrational and Optical Properties. Physica Status Solidi (B): Basic Research, 2018, 255, 1700235.	1.5	39
4	Comparative study of Mo <sub>2</sub> Ga <sub>2</sub> C with superconducting MAX phase Mo <sub>2</sub> GaC: First-principles calculations. Chinese Physics B, 2017, 26, 033102.	1.4	32
5	Origin of high hardness and optoelectronic and thermo-physical properties of boron-rich compounds B <sub>6</sub> X (X = S, Se): A comprehensive study via DFT approach. Journal of Applied Physics, 2021, 129, .	2.5	28
6	Improvement of Jute Yarn Through In Situ Copolymerization by UV Radiation. Polymer-Plastics Technology and Engineering, 1997, 36, 285-296.	1.9	26
7	Structural, elastic, electronic, and optical properties of layered TiN <sub>X</sub> (X = F, Cl, Br, I) compounds: a density functional theory study. Molecular Physics, 2020, 118, e1609706.	1.7	21
8	Yttrium-substituted Mg-Zn ferrites: correlation of physical properties with Yttrium content. Journal of Materials Science: Materials in Electronics, 2019, 30, 13258-13270.	2.2	19
9	Mechanical behavior, enhanced dc resistivity, energy band gap and high temperature magnetic properties of Y-substituted Mg-Zn ferrites. Materials Research Express, 2020, 7, 036101.	1.6	19
10	Assessment of some physicochemical parameters and determining the corrosive characteristics of the Karnaphuli estuarine water, Chittagong, Bangladesh. Water Science, 2020, 34, 164-180.	1.6	13
11	Impact of particle size on the magnetic properties of highly crystalline Yb <sup>3+</sup> substituted Ni-Zn nanoferrites. Journal of Materials Science: Materials in Electronics, 2021, 32, 16528-16543.	2.2	13
12	Dynamical stability, vibrational, and optical properties of anti-perovskite A <sub>3</sub> BX <sub>3</sub> (Ti <sub>3</sub> TiN <sub>3</sub> ) Tj ETQq0 0 0 rBT /Overlock 10 Tf	1.8	11
13	NaInX <sub>2</sub> (X = S, Se) layered materials for energy harvesting applications: first-principles insights into optoelectronic and thermoelectric properties. Journal of Materials Science: Materials in Electronics, 2021, 32, 3878-3893.	2.2	9
14	Investigation of Sodium Doped Lanthanum Manganite in Optical, Dielectric and Capacitive Perspective Prepared by Flux Method. Journal of Scientific Research, 2019, 11, 195-207.	0.3	8
15	Comparative study of predicted MAX phase Hf <sub>2</sub> AlN with recently synthesized Hf <sub>2</sub> AlC: a first principle calculations. Indian Journal of Physics, 2022, 96, 1321-1333.	1.8	6
16	Mechanical, optical and high-temperature magnetic properties of Sn-substituted Mg-Zn ferrites. Phase Transitions, 2021, 94, 23-36.	1.3	2
17	Structural, elastic, electronic and optical properties of lead free ZnMO <sub>3</sub> (M = Ge, Sn) perovskites from first principles investigation. Computational Condensed Matter, 2022, 32, e00695.	2.1	1