

# M M Hossain

## List of Publications by Year in descending order

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17  
papers

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840776

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	NalNX <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
4	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
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	Mechanical, optical and high-temperature magnetic properties of Sn-substituted Mg-Zn ferrites. Phase Transitions, 2021, 94, 23-36.	1.3	2
7	Structural, elastic, electronic, and optical properties of layered TiNX <sub>2</sub> (X = F, Cl, Br, I) compounds: a density functional theory study. Molecular Physics, 2020, 118, e1609706.	1.7	21
8	Dynamical stability, vibrational, and optical properties of anti-perovskite A <sub>3</sub> BX <sub>3</sub> (Ti <sub>3</sub> TiN,) Tj ETQq0 0 0 r gBT /Overlock 10 Tf	1.3	11
9	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
10	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
11	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
12	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
13	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
14	Theoretical investigation of structural, elastic, and electronic properties of ternary boride MoAlB. Physica Status Solidi (B): Basic Research, 2017, 254, 1700010.	1.5	113
15	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
16	First-Principles Study of Superconducting ScRhP and ScIrP pnictides. Physica Status Solidi (B): Basic Research, 2017, 254, 1700336.	1.5	39
17	Improvement of Jute Yarn Through In Situ Copolymerization by UV Radiation. Polymer-Plastics Technology and Engineering, 1997, 36, 285-296.	1.9	26