Khan Alam

List of Publications by Year
in descending order

13	138	1163117 8	1281871 11
papers	citations	h-index	g-index

14	14	14	169
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Structural and magnetic phase transitions in chromium nitride thin films grown by rf nitrogen plasma molecular beam epitaxy. Physical Review B, 2017, 96, .	3.2	28
2	Structural, electronic, and magnetic properties of the CrN (0â€¯0â€¯1) surface: First-principles studies. Applied Surface Science, 2018, 454, 350-357.	6.1	21
3	Exchange bias and exchange spring effects in Fe/CrN bilayers. Journal Physics D: Applied Physics, 2020, 53, 125001.	2.8	13
4	Nanoporous Dielectric Resistive Memories Using Sequential Infiltration Synthesis. ACS Nano, 2021, 15, 4155-4164.	14.6	12
5	Structural and magnetic properties of ferrimagnetic Îµ-phase Mn4N and antiferromagnetic Î¶-phase Mn10N thin films on MgO(001). Journal of Crystal Growth, 2016, 446, 60-67.	1.5	11
6	Facility for low-temperature spin-polarized-scanning tunneling microscopy studies of magnetic/spintronic materials prepared in situ by nitride molecular beam epitaxy. Review of Scientific Instruments, 2014, 85, 043702.	1.3	10
7	Electronic phase transition in CrN thin films grown by reactive RF magnetron sputtering. Ceramics International, 2022, 48, 17352-17358.	4.8	10
8	Native Gallium Adatoms Discovered on Atomically-Smooth Gallium Nitride Surfaces at Low Temperature. Nano Letters, 2015, 15, 2079-2085.	9.1	8
9	Thermoelectric properties of the novel cubic structured silicon monochalcogenides: A first-principles study. Journal of Alloys and Compounds, 2018, 769, 413-419.	5.5	8
10	Structural, electronic, and optical properties of the pressureâ€driven novel polymorphs of <scp>gallium nitride</scp> : firstâ€principles investigations. International Journal of Energy Research, 2022, 46, 2361-2372.	4.5	7
11	Physics and technology of electronic insulator-to-metal transition (E-IMT) for record high on/off ratio and low voltage in device applications. , 2017, , .		6
12	Investigating the magnetic and atomic interface configuration for a model Fe/CrN bilayer system. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2021, 39, 063209.	2.1	3
13	Tailoring the structural, electrical, and optical features of Erbium(III)-Tris(8-hydroxyquinolinato) nanostructured films for optical applications: effect of film thickness. Journal of Materials Science: Materials in Electronics, 0, , 1.	2.2	1