

# Khan Alam

## List of Publications by Year in descending order

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13  
papers

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1163117

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1281871

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docs citations

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times ranked

169  
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural, electronic, and optical properties of the pressure-driven novel polymorphs of gallium nitride : first-principles investigations. International Journal of Energy Research, 2022, 46, 2361-2372.	4.5	7
2	Electronic phase transition in CrN thin films grown by reactive RF magnetron sputtering. Ceramics International, 2022, 48, 17352-17358.	4.8	10
3	Nanoporous Dielectric Resistive Memories Using Sequential Infiltration Synthesis. ACS Nano, 2021, 15, 4155-4164.	14.6	12
4	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
5	Exchange bias and exchange spring effects in Fe/CrN bilayers. Journal Physics D: Applied Physics, 2020, 53, 125001.	2.8	13
6	Structural, electronic, and magnetic properties of the CrN (001) surface: First-principles studies. Applied Surface Science, 2018, 454, 350-357.	6.1	21
7	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
8	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
9	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
10	Structural and magnetic properties of ferrimagnetic $\mu$ -phase Mn <sub>4</sub> N and antiferromagnetic $\eta$ -phase Mn <sub>10</sub> N thin films on MgO(001). Journal of Crystal Growth, 2016, 446, 60-67.	1.5	11
11	Native Gallium Adatoms Discovered on Atomically-Smooth Gallium Nitride Surfaces at Low Temperature. Nano Letters, 2015, 15, 2079-2085.	9.1	8
12	Facility for low-temperature spin-polarized-scanning tunneling microscopy studies of magnetic/spintronic materials prepared <i>in situ</i> by nitride molecular beam epitaxy. Review of Scientific Instruments, 2014, 85, 043702.	1.3	10
13	Tailoring the structural, electrical, and optical features of Erbium(III)-Tris(8-hydroxyquinolato) nanostructured films for optical applications: effect of film thickness. Journal of Materials Science: Materials in Electronics, 0, , 1.	2.2	1