

# Krushna Mavani

## List of Publications by Year in descending order

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29  
papers

158  
citations

1163117

8  
h-index

1281871

11  
g-index

29  
all docs

29  
docs citations

29  
times ranked

145  
citing authors

#	ARTICLE	IF	CITATIONS
1	Controlling porosity and ultraviolet photoresponse of crystallographically oriented ZnO nanostructures grown by pulsed laser deposition. <i>Scripta Materialia</i> , 2019, 162, 24-27.	5.2	16
2	Structural transformation and tuning of electronic transitions by W-doping in VO <sub>2</sub> thin films. <i>Superlattices and Microstructures</i> , 2021, 154, 106883.	3.1	14
3	Induced metal-insulator transition and temperature independent charge transport in NdNiO <sub>3</sub> - $\delta$ thin films. <i>Journal of Alloys and Compounds</i> , 2017, 696, 423-427.	5.5	13
4	UV activated visible-blind Ga:ZnO photodetectors using the GLAD technique: a comparative study in different gas atmospheres and temperatures. <i>Journal of Materials Chemistry C</i> , 2020, 8, 7837-7846.	5.5	11
5	Contrasting effects of doping on insulating and metallic states of NdNi <sub>1-x</sub> Mn <sub>x</sub> O <sub>3</sub> thin films. <i>Journal of Applied Physics</i> , 2014, 115, 093701.	2.5	10
6	Influence of Ce doping and thickness on the structure and non-Fermi liquid behavior of LaNiO <sub>3</sub> thin films. <i>Journal of Physics and Chemistry of Solids</i> , 2020, 141, 109398.	4.0	10
7	Competing effects of Mn-doping and strain on electrical transport of NdNi <sub>1-x</sub> Mn <sub>x</sub> O <sub>3</sub> (0 $\leq$ x $\leq$ 0.10) thin films. <i>Journal of Applied Physics</i> , 2013, 46, 415305.		9
8	Structural and metamagnetic transitions in thin films of Ce-doped Pr <sub>0.5</sub> Ca <sub>0.5</sub> MnO <sub>3</sub> manganites. <i>Thin Solid Films</i> , 2016, 615, 338-344.	1.8	9
9	Effects of Ti-doping on evolution of coexisting magnetic phases in BaFeO <sub>3</sub> - $\delta$ thin films at room temperature. <i>Journal of Applied Physics</i> , 2014, 115, 223907.	2.5	7
10	Influence of Cu doping and thickness on non-Fermi liquid behaviour and metallic conductance in epitaxial PrNiO <sub>3</sub> thin films. <i>Applied Physics A: Materials Science and Processing</i> , 2018, 124, 1.	2.3	7
11	Crystallographically oriented porous ZnO nanostructures with visible-blind photoresponse: Controlling the growth and optical properties. <i>Materialia</i> , 2019, 6, 100326.	2.7	7
12	Large effects of epitaxial tensile strain on electrical transport of Mn-doped NdNiO <sub>3</sub> thin films. <i>Solid State Communications</i> , 2015, 219, 16-20.	1.9	6
13	Anomalous Hall effect and re-entrant metallic transitions in epitaxial PrNiO <sub>3</sub> - $\delta$ thin films. <i>Journal of Applied Physics</i> , 2019, 125, 025102.	2.5	6
14	Effects of substrates on the crystalline growth and UV photosensitivity of glancing angle deposited porous ZnO nanostructures. <i>Sensors and Actuators A: Physical</i> , 2020, 313, 112140.	4.1	5
15	Structure influenced rapid hydrogenation using metal-acid contacts on crystallographically oriented VO <sub>2</sub> thin films. <i>Applied Surface Science</i> , 2021, 541, 148369.	6.1	5
16	Spin dynamics of (Pr <sub>0.5-x</sub> Ce <sub>x</sub> )Ca <sub>0.5</sub> MnO <sub>3</sub> (x = 0.05, 0.10, and 0.20) system studied by muon spin relaxation. <i>Journal of Applied Physics</i> , 2012, 112, 073911.	2.5	4
17	Strain-mediated effects of oxygen deficiency and variation in non-Fermi liquid behavior of epitaxial PrNiO <sub>3</sub> - $\delta$ thin films. <i>Journal of Physics Condensed Matter</i> , 2019, 31, 135601.	1.8	4
18	Effects of Cu-doping on the vibrational and electronic properties of epitaxial PrNiO <sub>3</sub> thin films. <i>Vibrational Spectroscopy</i> , 2021, 112, 103185.	2.2	4

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19	Tuning of exchange bias with interfacial ferromagnetism in NdNiO <sub>3</sub> /NdMnO <sub>3</sub> heterostructures. Journal of Magnetism and Magnetic Materials, 2019, 477, 35-41.	2.3	3
20	Systematic effects of Ti doping on the electronic properties of LaNiO <sub>3</sub> thin films. Bulletin of Materials Science, 2021, 44, 1.	1.7	3
21	Effects of deposition temperature on growth and properties of pulsed laser deposited VO <sub>2</sub> thin films and nanostructures. AIP Conference Proceedings, 2019, , .	0.4	1
22	Structural stability and electronic transitions of NdNi <sub>0.98</sub> Zn <sub>0.02</sub> O <sub>3</sub> thin films. Applied Physics A: Materials Science and Processing, 2019, 125, 1.	2.3	1
23	Ultraviolet photo response of crystallographically oriented nanostructured thin films of ZnO grown by pulsed laser deposition. AIP Conference Proceedings, 2019, , .	0.4	1
24	Effects of oxygen annealing on magnetic properties of epitaxial PrNi <sub>0.5</sub> Mn <sub>0.5</sub> O <sub>3</sub> thin films. Materials Research Express, 2019, 6, 116107.	1.6	1
25	Rapid hydrogenation of VO <sub>2</sub> thin films via metal-acid contact method using mild electric fields at room temperature. Materials Letters, 2021, 295, 129786.	2.6	1
26	Contrasting effects of compressive and tensile strain and doping-induced opening of charge-transfer gap in NdNi <sub>0.90</sub> Mn <sub>0.10</sub> O <sub>3</sub> thin films. , 2013, , .		0
27	Photo-induced electronic transition and effect of thickness on the resistivity of Li-doped ZnO thin films. Materials Research Express, 2019, 6, 106433.	1.6	0
28	Influencing the structural, vibrational and electronic properties of pulsed laser deposited PrNi <sub>0.95</sub> Cu <sub>0.05</sub> O <sub>3</sub> thin films by tuning epitaxial strain. Thin Solid Films, 2021, 735, 138877.	1.8	0
29	Switching of majority charge carriers by Zn doping in NdNiO <sub>3</sub> thin films. Journal of Physics Condensed Matter, 2021, 33, 015602.	1.8	0