Krushna Mavani

List of Publications by Year
in descending order

29	158	1163117 8	1281871 11
papers	citations	h-index	g-index

29	29	29	145
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Effects of Cu-doping on the vibrational and electronic properties of epitaxial PrNiO3 thin films. Vibrational Spectroscopy, 2021, 112, 103185.	2.2	4
2	Structure influenced rapid hydrogenation using metal-acid contacts on crystallographically oriented VO2 thin films. Applied Surface Science, 2021, 541, 148369.	6.1	5
3	Systematic effects of Ti doping on the electronic properties of LaNiO3 thin films. Bulletin of Materials Science, 2021, 44, 1.	1.7	3
4	Structural transformation and tuning of electronic transitions by W-doping in VO2 thin films. Superlattices and Microstructures, 2021, 154, 106883.	3.1	14
5	Rapid hydrogenation of VO2 thin films via metal-acid contact method using mild electric fields at room temperature. Materials Letters, 2021, 295, 129786.	2.6	1
6	Influencing the structural, vibrational and electronic properties of pulsed laser deposited PrNi0.95Cu0.05O3 thin films by tuning epitaxial strain. Thin Solid Films, 2021, 735, 138877.	1.8	0
7	Switching of majority charge carriers by Zn doping in NdNiO3 thin films. Journal of Physics Condensed Matter, 2021, 33, 015602.	1.8	0
8	Effects of substrates on the crystalline growth and UV photosensitivity of glancing angle deposited porous ZnO nanostructures. Sensors and Actuators A: Physical, 2020, 313, 112140.	4.1	5
9	Influence of Ce doping and thickness on the structure and non-Fermi liquid behavior of LaNiO3 thin films. Journal of Physics and Chemistry of Solids, 2020, 141, 109398.	4.0	10
10	UV activated visible-blind Ga:ZnO photodetectors using the GLAD technique: a comparative study in different gas atmospheres and temperatures. Journal of Materials Chemistry C, 2020, 8, 7837-7846.	5.5	11
11	Effects of deposition temperature on growth and properties of pulsed laser deposited VO2 thin films and nanostructures. AIP Conference Proceedings, 2019, , .	0.4	1
12	Structural stability and electronic transitions of NdNi0.98Zn0.02O3â^Î´ thin films. Applied Physics A: Materials Science and Processing, 2019, 125, 1.	2.3	1
13	Ultraviolet photo response of crystallographically oriented nanostructured thin films of ZnO grown by pulsed laser deposition. AIP Conference Proceedings, 2019, , .	0.4	1
14	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
15	Strain-mediated effects of oxygen deficiency and variation in non-Fermi liquid behavior of epitaxial PrNiO_{3â^'Î´} thin films. Journal of Physics Condensed Matter, 2019, 31, 135601.	1.8	4
16	Effects of oxygen annealing on magnetic properties of epitaxial PrNi0.5Mn0.5O3â^Î´ thin films. Materials Research Express, 2019, 6, 116107.	1.6	1
17	Tuning of exchange bias with interfacial ferromagnetism in NdNiO3/NdMnO3 heterostructures. Journal of Magnetism and Magnetic Materials, 2019, 477, 35-41.	2.3	3
18	Crystallographically oriented porous ZnO nanostructures with visible-blind photoresponse: Controlling the growth and optical properties. Materialia, 2019, 6, 100326.	2.7	7

#	Article	IF	Citations
19	Controlling porosity and ultraviolet photoresponse of crystallographically oriented ZnO nanostructures grown by pulsed laser deposition. Scripta Materialia, 2019, 162, 24-27.	5.2	16
20	Anomalous Hall effect and re-entrant metallic transitions in epitaxial PrNiO3-Î´thin films. Journal of Applied Physics, 2019, 125, 025102.	2.5	6
21	Influence of Cu doping and thickness on non-Fermi liquid behaviour and metallic conductance in epitaxial PrNiO3 thin films. Applied Physics A: Materials Science and Processing, 2018, 124, 1.	2.3	7
22	Induced metal-insulator transition and temperature independent charge transport in NdNiO3-Î´ thin films. Journal of Alloys and Compounds, 2017, 696, 423-427.	5.5	13
23	Structural and metamagnetic transitions in thin films of Ce-doped Pr0.5Ca0.5MnO3 manganites. Thin Solid Films, 2016, 615, 338-344.	1.8	9
24	Large effects of epitaxial tensile strain on electrical transport of Mn-doped NdNiO3 thin films. Solid State Communications, 2015, 219, 16-20.	1.9	6
25	Contrasting effects of doping on insulating and metallic states of NdNi1â^'xMnxO3thin films. Journal of Applied Physics, 2014, 115, 093701.	2.5	10
26	Effects of Ti-doping on evolution of coexisting magnetic phases in BaFeO3â€“Î´ thin films at room temperature. Journal of Applied Physics, 2014, 115, 223907.	2.5	7
27	Competing effects of Mn-doping and strain on electrical transport of NdNi_{1â^'x}Mn_xO₃(0 â©½xâ©½ 0.10) thin films. Journal of Physics D: Applied Physics, 2013, 46, 415305.	2.8	9
28	Contrasting effects of compressive and tensile strain and doping-induced opening of charge-transfer gap in NdNi[sub 0.90]Mn[sub 0.10]O[sub 3] thin films. , 2013, , .		0
29	Spin dynamics of (Pr0.5-xCex)Ca0.5MnO3 (xâ€‰=â€‰0.05, 0.10, and 0.20) system studied by muon spin relaxation. Journal of Applied Physics, 2012, 112, 073911.	2.5	4