

Yu Min Hu

List of Publications by Year in descending order

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papers

411
citations

840776

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26
docs citations

26
times ranked

575
citing authors

#	ARTICLE	IF	CITATIONS
1	Origin of ferromagnetism in ZnO ^δ -CoFe multilayers: Diluted magnetic semiconductor or clustering effect?. Applied Physics Letters, 2004, 85, 3815-3817.	3.3	85
2	The morphology and optical properties of Cr-doped ZnO films grown using the magnetron co-sputtering method. Applied Surface Science, 2008, 254, 3873-3878.	6.1	46
3	Effect of sputtering power on crystallinity, intrinsic defects, and optical and electrical properties of Al-doped ZnO transparent conducting thin films for optoelectronic devices. Journal of Applied Physics, 2017, 121, .	2.5	42
4	Correlation between saturation magnetization and surface morphological features in Zn _{1-x} Cr _x O thin films. Applied Physics Letters, 2011, 98, .	3.3	30
5	Identification of Mn ²⁺ -related Raman modes in Mn ²⁺ -doped ZnO thin films. Journal of Raman Spectroscopy, 2011, 42, 434-437.	2.5	28
6	Dependences of the Al thickness and annealing temperature on the structural, optical and electrical properties in ZnO/Al multilayers. Thin Solid Films, 2006, 497, 130-134.	1.8	25
7	Room-temperature ferromagnetism in co-sputtered Zn _{1-x} Cr _x O films with low Cr content. Scripta Materialia, 2009, 61, 1028-1031.	5.2	21
8	High-excitation effect on photoluminescence of sol-gel ZnO nanopowder. Applied Physics Letters, 2010, 96, .	3.3	15
9	Bias voltage-controlled ferromagnetism switching in undoped zinc oxide thin film memory device. Applied Physics Letters, 2016, 109, .	3.3	14
10	Raman scattering studies of Mn-doped ZnO thin films deposited under pure Ar or Ar+N ₂ sputtering atmosphere. Thin Solid Films, 2010, 519, 1272-1276.	1.8	13
11	Influence of $\{N\}_2$ Gas Flow on the High-Frequency Magneto-Electrical Properties of ZnO Thin Films. IEEE Transactions on Magnetics, 2014, 50, 1-4.	2.1	11
12	Photoluminescence due to inelastic exciton-exciton scattering in ZnMgO-alloy thin film. Applied Physics Letters, 2011, 99, 131908.	3.3	10
13	Structural and morphological evolution in magnetron co-sputtered (Zn, Cr)O films. Journal Physics D: Applied Physics, 2008, 41, 205301.	2.8	9
14	Post-annealing effect on the room-temperature ferromagnetism in Cu-doped ZnO thin films. Journal of Applied Physics, 2015, 117, 17B901.	2.5	9
15	Correlation between defect-related photoluminescence emission and anomalous Raman peaks in N-Al co-doped ZnO thin films. Applied Physics Letters, 2017, 110, 141903.	3.3	9
16	Formation and identification of secondary oxide phases in co-sputtered ZnO:Cr films. Thin Solid Films, 2010, 518, 2916-2919.	1.8	7
17	Biexciton emission from sol-gel ZnMgO nanopowders. Applied Physics Letters, 2010, 96, .	3.3	7
18	Intrinsic defects responsible for the anomalous Raman peaks and the room-temperature ferromagnetism in nitrogen-doped ZnO thin films. Surface and Coatings Technology, 2013, 231, 307-310.	4.8	6

#	ARTICLE	IF	CITATIONS
19	The characterization of Cr secondary oxide phases in ZnO films studied by X-ray spectroscopy and photoemission spectroscopy. Applied Surface Science, 2011, 257, 4863-4866.	6.1	5
20	Grain size effect on magnetic and dielectric properties of hexagonal YbMnO ₃ nanoparticles. Journal of Applied Physics, 2015, 117, 17D501.	2.5	5
21	Self-assembly and control of columnar structure in epitaxial permalloy films. Physical Review B, 2000, 62, 3929-3932.	3.2	4
22	Dependence of Magneto-Electrical Properties of Mn-Doped ZnO Films Deposited Under Various Gas Ambience States. IEEE Transactions on Magnetics, 2010, 46, 2424-2426.	2.1	4
23	Grain size effect on magnetic and electric properties of LuMnO ₃ nanocrystalline materials. Journal of Applied Physics, 2013, 113, 17B507.	2.5	3
24	Kerr effect of ordered and disordered Fe _{1-x} Pt _x /[001] alloy films. IEEE Transactions on Magnetics, 2001, 37, 2417-2419.	2.1	2
25	Perpendicular magnetization of epitaxial CrPt _x films. Journal of Applied Physics, 2005, 98, 013901.	2.5	1
26	Correlation Between Resistance State and Saturation Magnetization in (In, Co)-Codoped ZnO Thin Film. , 2016, , .		0