

Yu Min Hu

List of Publications by Year in descending order

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26
papers

411
citations

840776

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752698

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times ranked

575
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | 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 |
| 2 | 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 |
| 3 | Correlation Between Resistance State and Saturation Magnetization in (In, Co)-Codoped ZnO Thin Film. , 2016, , . | | 0 |
| 4 | Bias voltage-controlled ferromagnetism switching in undoped zinc oxide thin film memory device. Applied Physics Letters, 2016, 109, . | 3.3 | 14 |
| 5 | Grain size effect on magnetic and dielectric properties of hexagonal YbMnO ₃ nanoparticles. Journal of Applied Physics, 2015, 117, 17D501. | 2.5 | 5 |
| 6 | Post-annealing effect on the room-temperature ferromagnetism in Cu-doped ZnO thin films. Journal of Applied Physics, 2015, 117, 17B901. | 2.5 | 9 |
| 7 | 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 |
| 8 | 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 |
| 9 | Grain size effect on magnetic and electric properties of LuMnO ₃ nanocrystalline materials. Journal of Applied Physics, 2013, 113, 17B507. | 2.5 | 3 |
| 10 | Identification of Mn-related Raman modes in Mn-doped ZnO thin films. Journal of Raman Spectroscopy, 2011, 42, 434-437. | 2.5 | 28 |
| 11 | 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 |
| 12 | Correlation between saturation magnetization and surface morphological features in Zn _{1-x} CrxO thin films. Applied Physics Letters, 2011, 98, . | 3.3 | 30 |
| 13 | Photoluminescence due to inelastic exciton-exciton scattering in ZnMgO-alloy thin film. Applied Physics Letters, 2011, 99, 131908. | 3.3 | 10 |
| 14 | 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 |
| 15 | Formation and identification of secondary oxide phases in co-sputtered ZnO:Cr films. Thin Solid Films, 2010, 518, 2916-2919. | 1.8 | 7 |
| 16 | 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 |
| 17 | Biexciton emission from sol-gel ZnMgO nanopowders. Applied Physics Letters, 2010, 96, . | 3.3 | 7 |
| 18 | High-excitation effect on photoluminescence of sol-gel ZnO nanopowder. Applied Physics Letters, 2010, 96, . | 3.3 | 15 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | 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 |
| 20 | 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 |
| 21 | Structural and morphological evolution in magnetron co-sputtered (Zn, Cr)O films. Journal Physics D: Applied Physics, 2008, 41, 205301. | 2.8 | 9 |
| 22 | 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 |
| 23 | Perpendicular magnetization of epitaxial CrPt _x films. Journal of Applied Physics, 2005, 98, 013901. | 2.5 | 1 |
| 24 | Origin of ferromagnetism in ZnO [*] CoFe multilayers: Diluted magnetic semiconductor or clustering effect?. Applied Physics Letters, 2004, 85, 3815-3817. | 3.3 | 85 |
| 25 | Kerr effect of ordered and disordered Fe/sub 1-x/Pt/sub x/[001] alloy films. IEEE Transactions on Magnetics, 2001, 37, 2417-2419. | 2.1 | 2 |
| 26 | Self-assembly and control of columnar structure in epitaxial permalloy films. Physical Review B, 2000, 62, 3929-3932. | 3.2 | 4 |