

# Ram Rai

## List of Publications by Year in descending order

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35  
papers

1,901  
citations

516561

16  
h-index

395590

33  
g-index

38  
all docs

38  
docs citations

38  
times ranked

2643  
citing authors

#	ARTICLE	IF	CITATIONS
1	Magnetic properties and spin reorientation of hexagonal HoFeO <sub>3</sub> thin films. Thin Solid Films, 2021, 723, 138596.	0.8	0
2	Atomic-like emissions in UV region from hexagonal boron nitride crystal powders. Journal of Luminescence, 2021, 234, 117944.	1.5	5
3	Observation of bandgap renormalization in mesoscopic zinc oxide particles. Journal of Luminescence, 2020, 219, 116879.	1.5	6
4	Crystal and magnetic structure of polar oxide HoCrWO <sub>6</sub> . Journal of Magnetism and Magnetic Materials, 2020, 514, 167219.	1.0	9
5	Magnetic and electrical transport properties of YbFe <sub>2</sub> O <sub>4</sub> . Physical Review B, 2019, 100, .	1.1	4
6	Electronic excitations and optical properties of YbFe <sub>2</sub> O <sub>4</sub> thin films. Thin Solid Films, 2019, 673, 57-61.	0.8	2
7	Structural studies and physical properties of hexagonal-YbFeO <sub>3</sub> thin films. AIP Advances, 2019, 9, 015019.	0.6	9
8	Magnetoresistance, magnetic, and dielectric properties of LuFe <sub>2</sub> O <sub>4</sub> prepared by ebeam-assisted solid state reaction. Journal of Applied Physics, 2018, 124, .	1.1	5
9	Signature of structural distortion in optical spectra of YFe <sub>2</sub> O <sub>4</sub> thin film. AIP Advances, 2016, 6, .	0.6	3
10	Electro-optical effects and temperature-dependent electrical properties of LuFe <sub>2</sub> O <sub>4</sub> thin films. Thin Solid Films, 2014, 562, 490-494.	0.8	4
11	Magneto-optical Response of 3d-Decorated Polyoxomolybdates with $\mu$ -Keggin Structure. Inorganic Chemistry, 2014, 53, 2892-2898.	1.9	2
12	Analysis of the Urbach tails in absorption spectra of undoped ZnO thin films. Journal of Applied Physics, 2013, 113, .	1.1	213
13	Spin-charge-orbital coupling in multiferroic LuFe <sub>2</sub> O <sub>4</sub> thin films. Applied Physics Letters, 2012, 100, .	1.5	25
14	Elevated temperature dependence of energy band gap of ZnO thin films grown by e-beam deposition. Journal of Applied Physics, 2012, 111, .	1.1	46
15	Optical and electronic properties of NiFe <sub>2</sub> O <sub>4</sub> and CoFe <sub>2</sub> O <sub>4</sub> thin films. Applied Physics A: Materials Science and Processing, 2012, 106, 207-211.	1.1	75
16	Magnon sidebands and spin-charge coupling in bismuth ferrite probed by nonlinear optical spectroscopy. Physical Review B, 2009, 79, .	1.1	82
17	Optical properties and magneto-chromism in multiferroic $\text{BiFeO}_3$ . Physical Review B, 2009, 79, .	1.1	149
18	Spin-charge-lattice coupling through resonant multimagnon excitations in multiferroic BiFeO <sub>3</sub> . Applied Physics Letters, 2009, 94, 161905.	1.5	43

#	ARTICLE	IF	CITATIONS
19	Linear and nonlinear optical properties of BiFeO <sub>3</sub> . Applied Physics Letters, 2008, 92, .	1.5	213
20	Photoconductivity in BiFeO <sub>3</sub> thin films. Applied Physics Letters, 2008, 92, .	1.5	447
21	Optical band gap of BiFeO <sub>3</sub> grown by molecular-beam epitaxy. Applied Physics Letters, 2008, 92, .	1.5	345
22	High-energy magnetodielectric effect in kagome staircase materials. Physical Review B, 2007, 76, .	1.1	19
23	Observation of 300K high energy magnetodielectric contrast in the bilayer manganite (La <sub>0.4</sub> Pr <sub>0.6</sub> ) <sub>1.2</sub> Sr <sub>1.8</sub> Mn <sub>2</sub> O <sub>7</sub> . Applied Physics Letters, 2007, 91, 021913.	1.5	8
24	Bis(di-2-pyridyl-methanediol)copper(ii) dihydrogentrifluoride: a structural and spectroscopic study of the H <sub>2</sub> F <sub>3</sub> â€“ anion in a complex salt. Dalton Transactions, 2007, , 5655.	1.6	9
25	Spin-charge coupling and the high-energy magnetodielectric effect in hexagonalHoMnO <sub>3</sub> . Physical Review B, 2007, 75, .	1.1	28
26	Magneto-optical investigation of the field-induced spin-glass-insulator to ferromagnetic-metal transition in the bilayer manganite(La <sub>0.4</sub> Pr <sub>0.6</sub> ) <sub>1.2</sub> Sr <sub>1.8</sub> Mn <sub>2</sub> O <sub>7</sub> . Physical Review B, 2006, 74, .	1.1	14
27	Magnetodielectric effect in theS=1âˆ•2quasi-two-dimensional antiferromagnetK <sub>2</sub> V <sub>3</sub> O <sub>8</sub> . Physical Review B, 2006, 73, .	1.1	22
28	Optical Properties and Electronic Structure of Spinel ZnRh <sub>2</sub> O <sub>4</sub> . Chemistry of Materials, 2006, 18, 2696-2700.	3.2	37
29	Optical properties and magnetic-field-induced phase transitions in the ferroelectric state ofNi <sub>3</sub> V <sub>2</sub> O <sub>8</sub> : Experiments and first-principles calculations. Physical Review B, 2006, 74, .	1.1	31
30	Dynamics of the electro-optic response ofÂcharge-density-wave conductors. European Physical Journal Special Topics, 2005, 131, 135-138.	0.2	0
31	Dynamics of the electroreflective response ofTaS <sub>3</sub> . Physical Review B, 2004, 70, .	1.1	11
32	Field-tuned collapse of an orbitally ordered and spin-polarized state:â€fColossal magnetoresistance in the bilayered ruthenateCa <sub>3</sub> Ru <sub>2</sub> O <sub>7</sub> . Physical Review B, 2004, 69, .	1.1	29
33	Destruction of an orbitally ordered and spin-polarized state: Colossal magnetoresistance in Ca <sub>3</sub> Ru <sub>2</sub> O <sub>7</sub> . Journal of Electronic Materials, 2004, 33, 1303-1307.	1.0	0
34	Electro-reflectance spectra of blue bronze. European Physical Journal B, 2003, 35, 233-238.	0.6	3
35	Search for narrow-band-noise modulations of the infrared transmission of blue bronze. European Physical Journal Special Topics, 2002, 12, 85-86.	0.2	0