Yogesh Sharma

List of Publications by Year
in descending order

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25 papers	477 citations	687363 13 h-index	677142 22 g-index
25 all docs	25 docs citations	25 times ranked	829 citing authors

#	Article	IF	Citations
1	Phonons and magnetic excitation correlations in weak ferromagnetic YCrO3. Journal of Applied Physics, 2014, 115, .	2.5	57
2	Nanoscale Control of Oxygen Defects and Metalâ€“Insulator Transition in Epitaxial Vanadium Dioxides. ACS Nano, 2018, 12, 7159-7166.	14.6	41
3	Switchable photovoltaic and polarization modulated rectification in Si-integrated Pt/(Bi0.9Sm0.1)(Fe0.97Hf0.03)O3/LaNiO3 heterostructures. Applied Physics Letters, 2015, 107, .	3.3	38
4	Studies of the switchable photovoltaic effect in co-substituted BiFeO3 thin films. Applied Physics Letters, 2014, 105, .	3.3	35
5	Ferroelectric photovoltaic properties in doubly substituted (Bi0.9La0.1)(Fe0.97Ta0.03)O3 thin films. Applied Physics Letters, 2015, 106, .	3.3	35
6	Structural and Optical Properties of Phase-Pure UO₂, Î±-U₃O₈, and Î±-UO₃ Epitaxial Thin Films Grown by Pulsed Laser Deposition. ACS Applied Materials & Interfaces, 2020, 12, 35232-35241.	8.0	27
7	Modulation of oxygen vacancies assisted ferroelectric and photovoltaic properties of (Nd, V) co-doped BiFeO₃ thin films. Journal Physics D: Applied Physics, 2018, 51, 275303.	2.8	26
8	Thickness and strain dependence of piezoelectric coefficient in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>BaTiO</mml:mi><mml:mn>3</mml:mn></mml:msub></m thin films. Physical Review Materials, 2020, 4, .	2.4	26
9	High Entropy Oxide Relaxor Ferroelectrics. ACS Applied Materials & Interfaces, 2022, 14, 11962-11970.	8.0	26
10	Unipolar resistive switching in planar Pt/BiFeO3/Pt structure. AIP Advances, 2015, 5, .	1.3	25
11	Magnetic Texture in Insulating Single Crystal High Entropy Oxide Spinel Films. ACS Applied Materials & Interfaces, 2021, 13, 17971-17977.	8.0	24
12	Ferroelectricity in Rare-Earth Modified Hafnia Thin Films Deposited by Sequential Pulsed Laser Deposition. ECS Solid State Letters, 2015, 4, N13-N16.	1.4	18
13	Selfâ€Assembled Room Temperature Multiferroic BiFeO₃â€LiFe₅O₈ Nanocomposites. Advanced Functional Materials, 2020, 30, 1906849.	14.9	14
14	Studies on structural, optical, magnetic, and resistive switching properties of doped BiFe1-xCrxO3 thin films. Journal of Applied Physics, 2016, 120, .	2.5	11
15	Substrate oxygen sponge effect: A parameter for epitaxial manganite thin film growth. Applied Physics Letters, 2020, 117, .	3.3	10
16	Photovoltaic effect and enhanced magnetization in 0.9(BiFeO₃)â€“0.1(YCrO₃) composite thin film fabricated using sequential pulsed laser deposition. Journal Physics D: Applied Physics, 2014, 47, 425303.	2.8	9
17	Structural phase transition of ternary dielectric SmGdO3: Evidence from angle dispersive x-ray diffraction and Raman spectroscopic studies. Journal of Applied Physics, 2015, 117, 094101.	2.5	9
18	Ferroelectric Domain Studies of Patterned (001) BiFeO3 by Angle-Resolved Piezoresponse Force Microscopy. Scientific Reports, 2018, 8, 203.	3.3	9

#	Article	IF	Citations
19	Holmium hafnate: An emerging electronic device material. Applied Physics Letters, 2015, 106, .	3.3	8
20	Competing phases in epitaxial vanadium dioxide at nanoscale. APL Materials, 2019, 7, .	5.1	8
21	Room temperature weak multiferroism and magnetodielectric effect in highly oriented (Y0.9Bi0.1)(Fe0.5Cr0.5)O3 thin films. Materials Research Bulletin, 2015, 68, 49-53.	5.2	7
22	Disorder driven structural and dielectric properties of silicon substituted strontium titanate. Journal of Applied Physics, 2015, 118, .	2.5	5
23	Tuning magnetic and optical properties through strain in epitaxial LaCrO3 thin films. Applied Physics Letters, 2021, 119, .	3.3	4
24	Resistive Switching and Current Conduction Mechanisms in Amorphous LaLuO₃ Thin Films Grown by Pulsed Laser Deposition. Integrated Ferroelectrics, 2014, 157, 47-56.	0.7	3
25	Non-Volatile Resistive Memory Switching in Pulsed Laser Deposited Rare-Earth Gallate-GdGaO3 Thin Films. ECS Transactions, 2015, 66, 287-293.	0.5	2