Sunil Ojha

List of Publications by Year
in descending order

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29	572	567281	610901
papers	citations	15 h-index	24 g-index

29	29	29	737
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Defect-induced photoluminescence from gallium-doped zinc oxide thin films: influence of doping and energetic ion irradiation. Physical Chemistry Chemical Physics, 2019, 21, 15019-15029.	2.8	63
2	AMS and upcoming geochronology facility at Inter University Accelerator Centre (IUAC), New Delhi, India. Nuclear Instruments & Methods in Physics Research B, 2019, 438, 124-130.	1.4	45
3	Study of humidity sensing properties and ion beam induced modifications in SnO2-TiO2 nanocomposite thin films. Surface and Coatings Technology, 2020, 392, 125768.	4.8	39
4	Influence of laser repetition rate on the structural and optical properties of GaN layers grown on sapphire (0001) by laser molecular beam epitaxy. CrystEngComm, 2016, 18, 744-753.	2.6	33
5	Tuning of ripple patterns and wetting dynamics of Si (100) surface using ion beam irradiation. Current Applied Physics, 2014, 14, 312-317.	2.4	32
6	Role of oxygen in multiferroic behavior of BiFeO3 films grown on 0.2% Nb doped SrTiO3. Solid State Communications, 2013, 169, 10-13.	1.9	30
7	Reversible hydrogen control of antiferromagnetic anisotropy in Î±-Fe2O3. Nature Communications, 2021, 12, 1668.	12.8	30
8	Studies of dense electronic excitation-induced modification in crystalline Fe-doped SnO2 thin films. Applied Surface Science, 2015, 332, 726-735.	6.1	29
9	Effect of low energy (keV) ion irradiation on structural, optical and morphological properties of SnO2â€“TiO2 nanocomposite thin films. Journal of Materials Science: Materials in Electronics, 2018, 29, 13328-13336.	2.2	27
10	Electronic structure modification and Fermi level shifting in niobium-doped anatase titanium dioxide thin films: a comparative study of NEXAFS, work function and stiffening of phonons. Physical Chemistry Chemical Physics, 2016, 18, 3618-3627.	2.8	26
11	Fabrication of thin targets for nuclear reaction studies at IUAC. Vacuum, 2017, 144, 190-198.	3.5	26
12	Mg-doped ZnO nanostructures for efficient Organic Light Emitting Diode. Vacuum, 2019, 166, 370-376.	3.5	24
13	Large electronic sputtering yield of nanodimensional Au thin films: Dominant role of thermal conductivity and electron phonon coupling factor. Journal of Applied Physics, 2017, 121, .	2.5	22
14	Nanostructuring and wettability of ion treated Au thin films. Journal of Applied Physics, 2017, 122, .	2.5	19
15	Role of ion beam induced solid flow in surface patterning of Si (100) using Ar ion beam irradiation. Applied Surface Science, 2013, 283, 417-421.	6.1	18
16	10Be measurements at IUAC-AMS facility. Journal of Radioanalytical and Nuclear Chemistry, 2011, 290, 179-182.	1.5	15
17	Intense ionizing irradiation-induced atomic movement toward recrystallization in 4H-SiC. Journal of Applied Physics, 2020, 128, .	2.5	15
18	Evolution of structural and magnetic properties of Co-doped TiO₂thin films irradiated with 100 MeV Ag⁷⁺ions. Journal Physics D: Applied Physics, 2014, 47, 315001.	2.8	13

#	Article	IF	Citations
19	Role of Ni substitution on structural, magnetic and electronic properties of epitaxial CoCr₂O₄ spinel thin films. Nanotechnology, 2020, 31, 285708.	2.6	13
20	Fabrication of thin Â130Te target foils for sub-barrier fusion studies. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2019, 935, 103-109.	1.6	9
21	An assessment on crystallization phenomena of Si in Al/a-Si thin films via thermal annealing and ion irradiation. RSC Advances, 2020, 10, 4414-4426.	3.6	9
22	Self-assembled nano-dots structures on Si(111) surfaces by oblique angle sputter-deposition. Nanotechnology, 2019, 30, 385301.	2.6	8
23	Self-supporting thin tin targets fabricated by ultra-high vacuum evaporation for heavy-ion induced reactions. Vacuum, 2020, 172, 109107.	3.5	8
24	Fabrication of thin targets of 160 Gd by thermal evaporation technique. Vacuum, 2017, 145, 11-13.	3.5	7
25	Ripple patterns over oblique Ar+ sputtered SiC/Si(1 1 1) surfaces: Role of preferential sputtering. Materials Letters, 2022, 307, 131011.	2.6	4
26	Fabrication of superhydrophobic polyurethane sponge coated with oil sorbent derived from textile sludge for oily wastewater remediation. Environmental Nanotechnology, Monitoring and Management, 2022, 18, 100675.	2.9	4
27	300ÂkeV Ar ion induced effects in GaAs and 4H-SiC. Materials Today: Proceedings, 2021, 47, 1633-1636.	1.8	2
28	Growth of low resistive nickel mono-silicide phase under low energy Si ion irradiation at room temperature. Thin Solid Films, 2021, 733, 138826.	1.8	1
29	Fabrication of self supporting64Zn targets for fusion-evaporation studies. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2021, 1015, 165730.	1.6	1