

# Sunil Ojha

## List of Publications by Year in descending order

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29  
papers

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citations

567281

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Ripple patterns over oblique Ar <sup>+</sup> sputtered SiC/Si(1 1 1) surfaces: Role of preferential sputtering. <i>Materials Letters</i> , 2022, 307, 131011.	2.6	4
2	Fabrication of superhydrophobic polyurethane sponge coated with oil sorbent derived from textile sludge for oily wastewater remediation. <i>Environmental Nanotechnology, Monitoring and Management</i> , 2022, 18, 100675.	2.9	4
3	300 keV Ar ion induced effects in GaAs and 4H-SiC. <i>Materials Today: Proceedings</i> , 2021, 47, 1633-1636.	1.8	2
4	Reversible hydrogen control of antiferromagnetic anisotropy in $\hat{\pm}$ -Fe <sub>2</sub> O <sub>3</sub> . <i>Nature Communications</i> , 2021, 12, 1668.	12.8	30
5	Growth of low resistive nickel mono-silicide phase under low energy Si ion irradiation at room temperature. <i>Thin Solid Films</i> , 2021, 733, 138826.	1.8	1
6	Fabrication of self supporting <sup>64</sup> Zn targets for fusion-evaporation studies. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2021, 1015, 165730.	1.6	1
7	Self-supporting thin tin targets fabricated by ultra-high vacuum evaporation for heavy-ion induced reactions. <i>Vacuum</i> , 2020, 172, 109107.	3.5	8
8	Intense ionizing irradiation-induced atomic movement toward recrystallization in 4H-SiC. <i>Journal of Applied Physics</i> , 2020, 128, .	2.5	15
9	Role of Ni substitution on structural, magnetic and electronic properties of epitaxial CoCr <sub>2</sub> O <sub>4</sub> spinel thin films. <i>Nanotechnology</i> , 2020, 31, 285708.	2.6	13
10	An assessment on crystallization phenomena of Si in Al/a-Si thin films <i>via</i> thermal annealing and ion irradiation. <i>RSC Advances</i> , 2020, 10, 4414-4426.	3.6	9
11	Study of humidity sensing properties and ion beam induced modifications in SnO <sub>2</sub> -TiO <sub>2</sub> nanocomposite thin films. <i>Surface and Coatings Technology</i> , 2020, 392, 125768.	4.8	39
12	AMS and upcoming geochronology facility at Inter University Accelerator Centre (IUAC), New Delhi, India. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 2019, 438, 124-130.	1.4	45
13	Defect-induced photoluminescence from gallium-doped zinc oxide thin films: influence of doping and energetic ion irradiation. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 15019-15029.	2.8	63
14	Self-assembled nano-dots structures on Si(111) surfaces by oblique angle sputter-deposition. <i>Nanotechnology</i> , 2019, 30, 385301.	2.6	8
15	Fabrication of thin <sup>130</sup> Te target foils for sub-barrier fusion studies. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2019, 935, 103-109.	1.6	9
16	Mg-doped ZnO nanostructures for efficient Organic Light Emitting Diode. <i>Vacuum</i> , 2019, 166, 370-376.	3.5	24
17	Effect of low energy (keV) ion irradiation on structural, optical and morphological properties of SnO <sub>2</sub> -TiO <sub>2</sub> nanocomposite thin films. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 13328-13336.	2.2	27
18	Large electronic sputtering yield of nanodimensional Au thin films: Dominant role of thermal conductivity and electron phonon coupling factor. <i>Journal of Applied Physics</i> , 2017, 121, .	2.5	22

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19	Fabrication of thin targets of $^{160}\text{Gd}$ by thermal evaporation technique. <i>Vacuum</i> , 2017, 145, 11-13.	3.5	7
20	Fabrication of thin targets for nuclear reaction studies at IUAC. <i>Vacuum</i> , 2017, 144, 190-198.	3.5	26
21	Nanostructuring and wettability of ion treated Au thin films. <i>Journal of Applied Physics</i> , 2017, 122, .	2.5	19
22	Influence of laser repetition rate on the structural and optical properties of GaN layers grown on sapphire (0001) by laser molecular beam epitaxy. <i>CrystEngComm</i> , 2016, 18, 744-753.	2.6	33
23	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. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 3618-3627.	2.8	26
24	Studies of dense electronic excitation-induced modification in crystalline Fe-doped SnO <sub>2</sub> thin films. <i>Applied Surface Science</i> , 2015, 332, 726-735.	6.1	29
25	Evolution of structural and magnetic properties of Co-doped TiO <sub>2</sub> thin films irradiated with 100 MeV Ag <sup>7+</sup> ions. <i>Journal Physics D: Applied Physics</i> , 2014, 47, 315001.	2.8	13
26	Tuning of ripple patterns and wetting dynamics of Si (100) surface using ion beam irradiation. <i>Current Applied Physics</i> , 2014, 14, 312-317.	2.4	32
27	Role of oxygen in multiferroic behavior of BiFeO <sub>3</sub> films grown on 0.2% Nb doped SrTiO <sub>3</sub> . <i>Solid State Communications</i> , 2013, 169, 10-13.	1.9	30
28	Role of ion beam induced solid flow in surface patterning of Si (100) using Ar ion beam irradiation. <i>Applied Surface Science</i> , 2013, 283, 417-421.	6.1	18
29	$^{10}\text{Be}$ measurements at IUAC-AMS facility. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2011, 290, 179-182.	1.5	15