

# Sandeep Manandhar

## List of Publications by Year in descending order

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33  
papers

1,058  
citations

471061

17  
h-index

433756

31  
g-index

33  
all docs

33  
docs citations

33  
times ranked

1764  
citing authors

#	ARTICLE	IF	CITATIONS
1	A low-cost hierarchical nanostructured beta-titanium alloy with high strength. Nature Communications, 2016, 7, 11176.	5.8	213
2	Structure, Morphology, and Optical Properties of Amorphous and Nanocrystalline Gallium Oxide Thin Films. Journal of Physical Chemistry C, 2013, 117, 4194-4200.	1.5	186
3	Ultrafast sol-gel synthesis of graphene aerogel materials. Carbon, 2015, 95, 616-624.	5.4	76
4	Graphene oxide membranes with high permeability and selectivity for dehumidification of air. Carbon, 2016, 106, 164-170.	5.4	54
5	Instability of Hydrogenated TiO <sub>2</sub> . Journal of Physical Chemistry Letters, 2015, 6, 4627-4632.	2.1	48
6	Reduced Magnetism in Core-Shell Magnetite@MOF Composites. Nano Letters, 2017, 17, 6968-6973.	4.5	47
7	Tungsten Incorporation into Gallium Oxide: Crystal Structure, Surface and Interface Chemistry, Thermal Stability, and Interdiffusion. Journal of Physical Chemistry C, 2016, 120, 26720-26735.	1.5	42
8	Water soluble levan polysaccharide biopolymer electrospun fibers. Carbohydrate Polymers, 2009, 78, 794-798.	5.1	41
9	Direct, functional relationship between structural and optical properties in titanium-incorporated gallium oxide nanocrystalline thin films. Applied Physics Letters, 2017, 110, 061902.	1.5	33
10	Impact of lattice mismatch and stoichiometry on the structure and bandgap of (Fe,Cr) <sub>2</sub> O <sub>3</sub> epitaxial thin films. Journal of Physics Condensed Matter, 2014, 26, 135005.	0.7	29
11	Rapid Response High Temperature Oxygen Sensor Based on Titanium Doped Gallium Oxide. Scientific Reports, 2020, 10, 178.	1.6	28
12	Multimodal characterization of solution-processed Cu <sub>3</sub> SbS <sub>4</sub> absorbers for thin film solar cells. Journal of Materials Chemistry A, 2018, 6, 8682-8692.	5.2	24
13	Subsurface synthesis and characterization of Ag nanoparticles embedded in MgO. Nanotechnology, 2013, 24, 095707.	1.3	23
14	Effect of Ti doping on the crystallography, phase, surface/interface structure and optical band gap of Ga <sub>2</sub> O <sub>3</sub> thin films. Journal of Materials Science, 2019, 54, 11526-11537.	1.7	21
15	Rapid sol-gel synthesis of nanodiamond aerogel. Journal of Materials Research, 2014, 29, 2905-2911.	1.2	20
16	Ion tracks and microstructures in barium titanate irradiated with swift heavy ions: A combined experimental and computational study. Acta Materialia, 2013, 61, 7904-7916.	3.8	18
17	Coexistence of weak ferromagnetism and polar lattice distortion in epitaxial NiTiO <sub>3</sub> thin films of the LiNbO <sub>3</sub> -type structure. Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics, 2013, 31, 030603.	0.6	17
18	Controlled optical properties via chemical composition tuning in molybdenum-incorporated $\hat{I}^2$ -Ga <sub>2</sub> O <sub>3</sub> nanocrystalline films. Chemical Physics Letters, 2017, 684, 363-367.	1.2	17

#	ARTICLE	IF	CITATIONS
19	Singlet-Oxygen Generation from Individual Semiconducting and Metallic Nanostructures during Near-Infrared Laser Trapping. ACS Photonics, 2015, 2, 559-564.	3.2	14
20	Alpha Radiation Effects on Silicon Oxynitride Waveguides. ACS Photonics, 2016, 3, 1569-1574.	3.2	14
21	Molybdenum Incorporation Induced Enhancement in the Mechanical Properties of Gallium Oxide Films. Advanced Materials Interfaces, 2017, 4, 1700378.	1.9	14
22	Nanomechanical characterization of titanium incorporated gallium oxide nanocrystalline thin films. Materials Today Nano, 2018, 2, 7-14.	2.3	12
23	Optical constants of titanium-doped gallium oxide thin films. Optical Materials, 2019, 96, 109223.	1.7	12
24	Radiation Tolerant Interfaces: Influence of Local Stoichiometry at the Misfit Dislocation on Radiation Damage Resistance of Metal/Oxide Interfaces. Advanced Materials Interfaces, 2017, 4, 1700037.	1.9	10
25	Radiation damage by light- and heavy-ion bombardment of single-crystal LiNbO <sub>3</sub> . Optical Materials Express, 2015, 5, 1071.	1.6	9
26	Defect structure of epitaxial Cr <sub>x</sub> V <sub>1-x</sub> thin films on MgO(001). Thin Solid Films, 2014, 550, 1-9.	0.8	8
27	Strain-dependence of the structure and ferroic properties of epitaxial Ni <sub>1-x</sub> Ti <sub>x</sub> O <sub>3</sub> thin films grown on sapphire substrates. Thin Solid Films, 2015, 578, 113-123.	0.8	7
28	Photothermal Superheating of Water with Ion-Implanted Silicon Nanowires. Advanced Optical Materials, 2015, 3, 1362-1367.	3.6	6
29	Growth and surface modification of LaFeO <sub>3</sub> thin films induced by reductive annealing. Applied Surface Science, 2015, 330, 309-315.	3.1	6
30	Crystalline loading of lipophilic Coenzyme Q10 pharmaceuticals within conjugated carbon aerogel derivatives. Carbon, 2020, 164, 451-458.	5.4	6
31	Pulsed Photothermal Heating of One-Dimensional Nanostructures. Journal of Physical Chemistry C, 2016, 120, 21730-21739.	1.5	3
32	Angular distribution and recoil effect for 1MeV Au <sup>+</sup> ions through a Si <sub>3</sub> N <sub>4</sub> thin foil. Nuclear Instruments & Methods in Physics Research B, 2014, 332, 346-350.	0.6	0
33	Singlet-oxygen Generation from Nanostructures in a Near Infrared Optical Trap. , 2015, , .		0