Sandeep Manandhar

List of Publications by Year
in descending order

33	1,058	471061 17	433756 31
papers	citations	h-index	g-index

33	33	33	1764
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Rapid Response High Temperature Oxygen Sensor Based on Titanium Doped Gallium Oxide. Scientific Reports, 2020, 10, 178.	1.6	28
2	Crystalline loading of lipophilic Coenzyme Q10 pharmaceuticals within conjugated carbon aerogel derivatives. Carbon, 2020, 164, 451-458.	5.4	6
3	Optical constants of titanium-doped gallium oxide thin films. Optical Materials, 2019, 96, 109223.	1.7	12
4	Effect of Ti doping on the crystallography, phase, surface/interface structure and optical band gap of Ga2O3 thin films. Journal of Materials Science, 2019, 54, 11526-11537.	1.7	21
5	Multimodal characterization of solution-processed Cu₃SbS₄absorbers for thin film solar cells. Journal of Materials Chemistry A, 2018, 6, 8682-8692.	5.2	24
6	Nanomechanical characterization of titanium incorporated gallium oxide nanocrystalline thin films. Materials Today Nano, 2018, 2, 7-14.	2.3	12
7	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
8	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
9	Reduced Magnetism in Coreâ€“Shell Magnetite@MOF Composites. Nano Letters, 2017, 17, 6968-6973.	4.5	47
10	Molybdenum Incorporation Induced Enhancement in the Mechanical Properties of Gallium Oxide Films. Advanced Materials Interfaces, 2017, 4, 1700378.	1.9	14
11	Controlled optical properties via chemical composition tuning in molybdenum-incorporated Î²-Ga2O3 nanocrystalline films. Chemical Physics Letters, 2017, 684, 363-367.	1.2	17
12	Graphene oxide membranes with high permeability and selectivity for dehumidification of air. Carbon, 2016, 106, 164-170.	5.4	54
13	Pulsed Photothermal Heating of One-Dimensional Nanostructures. Journal of Physical Chemistry C, 2016, 120, 21730-21739.	1.5	3
14	Alpha Radiation Effects on Silicon Oxynitride Waveguides. ACS Photonics, 2016, 3, 1569-1574.	3.2	14
15	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
16	A low-cost hierarchical nanostructured beta-titanium alloy with high strength. Nature Communications, 2016, 7, 11176.	5.8	213
17	Photothermal Superheating of Water with Ionâ€implanted Silicon Nanowires. Advanced Optical Materials, 2015, 3, 1362-1367.	3.6	6
18	Singlet-Oxygen Generation from Individual Semiconducting and Metallic Nanostructures during Near-Infrared Laser Trapping. ACS Photonics, 2015, 2, 559-564.	3.2	14

#	Article	IF	Citations
19	Growth and surface modification of LaFeO3 thin films induced by reductive annealing. Applied Surface Science, 2015, 330, 309-315.	3.1	6
20	Strain-dependence of the structure and ferroic properties of epitaxial Ni1â˜'xTi1â˜'yO3 thin films grown on sapphire substrates. Thin Solid Films, 2015, 578, 113-123.	0.8	7
21	Radiation damage by light- and heavy-ion bombardment of single-crystal LiNbO_3. Optical Materials Express, 2015, 5, 1071.	1.6	9
22	Singlet-oxygen Generation from Nanostructures in a Near Infrared Optical Trap. , 2015, , .		0
23	Ultrafast solâ€“gel synthesis of graphene aerogel materials. Carbon, 2015, 95, 616-624.	5.4	76
24	Instability of Hydrogenated TiO₂. Journal of Physical Chemistry Letters, 2015, 6, 4627-4632.	2.1	48
25	Impact of lattice mismatch and stoichiometry on the structure and bandgap of (Fe,Cr)₂O₃epitaxial thin films. Journal of Physics Condensed Matter, 2014, 26, 135005.	0.7	29
26	Rapid solâ€“gel synthesis of nanodiamond aerogel. Journal of Materials Research, 2014, 29, 2905-2911.	1.2	20
27	Defect structure of epitaxial CrxV1â˜'x thin films on MgO(001). Thin Solid Films, 2014, 550, 1-9.	0.8	8
28	Angular distribution and recoil effect for 1MeV Au+ ions through a Si3N4 thin foil. Nuclear Instruments & Methods in Physics Research B, 2014, 332, 346-350.	0.6	0
29	Subsurface synthesis and characterization of Ag nanoparticles embedded in MgO. Nanotechnology, 2013, 24, 095707.	1.3	23
30	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
31	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
32	Coexistence of weak ferromagnetism and polar lattice distortion in epitaxial NiTiO3 thin films of the LiNbO3-type structure. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2013, 31, 030603.	0.6	17
33	Water soluble levan polysaccharide biopolymer electrospun fibers. Carbohydrate Polymers, 2009, 78, 794-798.	5.1	41