Arun Singh

List of Publications by Citations

34 papers	633 citations	15 h-index	24 g-index
36 ext. papers	822 ext. citations	3.2 avg, IF	4.36 L-index

#	Paper	IF	Citations
34	Higher oxidation level in graphene oxide. *Optik*, **2017**, 143, 115-124	2.5	66
33	Influence of thickness on optical and structural properties of BiFeO3 thin films: PLD grown. *Materials Research Bulletin*, **2014**, 49, 531-536	5.1	49
32	Linear and nonlinear optical investigations of N:ZnO/ITO thin films system for opto-electronic functions. *Optics and Laser Technology*, **2019**, 112, 539-547	4.2	47
31	Investigation on structural, linear, nonlinear and optical limiting properties of sol-gel derived nanocrystalline Mg doped ZnO thin films for optoelectronic applications. *Journal of Molecular Structure*, **2018**, 1173, 375-384	3.4	44
30	Investigation of bandgap alteration in graphene oxide with different reduction routes. *Applied Surface Science*, **2020**, 513, 145396	6.7	36
29	Sputter deposited chromium nitride thin electrodes for supercapacitor applications. *Materials Letters*, **2018**, 220, 213-217	3.3	33
28	Evidence of pseudocubic structure in sol-gel derived Pb1−xCaxTiO3 (x=0.35−0.48) ceramic by dielectric and Raman spectroscopy. *Journal of Applied Physics*, **2007**, 102, 074110	2.5	30
27	Structural, morphological, optical and third order nonlinear optical response of spin-coated NiO thin films: An effect of N doping. *Solid State Sciences*, **2018**, 86, 98-106	3.4	29
26	Influence of interparticle interaction on the structural, optical and magnetic properties of NiO nanoparticles. *Physica B: Condensed Matter*, **2019**, 552, 88-95	2.8	27
25	Dielectric and piezoelectric properties of sol–gel derived Ca doped PbTiO3. *Materials Science and Engineering B: Solid-State Materials for Advanced Technology*, **2006**, 130, 81-88	3.1	24
24	Piezoelectric properties of nonstoichiometric Sr1−xBi2+2x/3Ta2O9 ceramics. *Journal of Applied Physics*, **2005**, 97, 124101	2.5	24
23	Highly Sensitive NiO Nanoparticle based Chlorine Gas Sensor. *Journal of Electronic Materials*, **2018**, 47, 3451-3458	1.9	19
22	Linear, third order nonlinear and optical limiting studies on MZO/FTO thin film system fabricated by spin coating technique for electro-optic applications. *Journal of Materials Research*, **2018**, 33, 3880-3889	2.5	19
21	Effect of Annealing Temperature on Structural and Optical Properties of Sol–Gel-Derived ZnO Thin Films. *Journal of Electronic Materials*, **2018**, 47, 3678-3684	1.9	18
20	A facile one-step flash combustion synthesis and characterization on C doped NiO nanostructures. *Materials Science in Semiconductor Processing*, **2019**, 100, 106-112	4.3	15
19	Multifunctional behavior of acceptor-cation substitution at higher doping concentration in PZT ceramics. *Ceramics International*, **2019**, 45, 12716-12726	5.1	14
18	Development and study of the structural and optical properties of hexagonal ZnO nanocrystals. *International Nano Letters*, **2012**, 2, 1	5.7	14

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17	A significant effect of Ce-doping on key characteristics of NiO thin films for optoelectronics facilely fabricated by spin coater. *Superlattices and Microstructures*, **2019**, 129, 230-239	2.8	13
16	Investigation of structural, optical and vibrational properties of highly oriented ZnO thin film. *Vacuum*, **2018**, 155, 662-666	3.7	12
15	Studies of photovoltaic properties of nanocrystalline thin films of CdS□dTe. *Journal of Alloys and Compounds*, **2011**, 509, 10003-10006	5.7	12
14	Highly Sensitive Chemo-Resistive Ammonia Sensor Based on Dodecyl Benzene Sulfonic Acid Doped Polyaniline Thin Film. *Science of Advanced Materials*, **2015**, 7, 518-525	2.3	12
13	An effect of Fe on physical properties of nanostructured NiO thin films for nonlinear optoelectronic applications. *Applied Physics A: Materials Science and Processing*, **2020**, 126, 1	2.6	11
12	Electrically reduced graphene oxide for photovoltaic application. *Journal of Materials Research*, **2019**, 34, 652-660	2.5	10
11	Influence of Ca additives on the optical and dielectric studies of sol□gel derived PbTiO3 ceramics. *Journal of Physics and Chemistry of Solids*, **2007**, 68, 119-123	3.9	10
10	A structural, morphological, linear, and nonlinear optical spectroscopic studies of nanostructured Al-doped ZnO thin films: An effect of Al concentrations. *Journal of Materials Research*, **2019**, 34, 1309-1317	2.5	10
9	Enhancement in photodetection properties of PbI2 with graphene oxide doping for visible-light photodetectors. *Sensors and Actuators A: Physical*, **2020**, 314, 112223	3.9	8
8	Higher permittivity of Ni-doped lead zirconate titanate, Pb[(Zr0.52Ti0.48)(1-x) Nix]O3, ceramics. *Ceramics International*, **2019**, 45, 4398-4407	5.1	7
7	One-step sputtered titanium nitride nano-pyramid thin electrodes for symmetric super-capacitor device. *Materials Letters*, **2019**, 245, 142-146	3.3	6
6	TG-DTA and FT-IR Studies on Sol-Gel Derived Pb1-xCaxTiO3. *Ferroelectrics*, **2005**, 324, 77-81	0.6	6
5	Optical properties of Silica capped Mn doped ZnS quantum dots. *Physica Scripta*, **2021**, 96, 065802	2.6	3
4	Effect of substrates on optical properties of ferroelectric PZT (52/48) thin films. *Materials Today: Proceedings*, **2021**, 36, 616-620	1.4	2
3	Study of Optical and Electrical Properties of Graphene Oxide. *Materials Today: Proceedings*, **2021**, 36, 730-735	1.4	2
2	Image super resolution using distributed locality sensitive hashing for manifold learning. *Multimedia Tools and Applications*, **2019**, 78, 25673-25684	2.5	1
1	Transitional ordering in reduced graphene oxide nanomaterials. *Materials Science in Semiconductor Processing*, **2022**, 142, 106478	4.3	0