

Arun Singh

List of Publications by Year in descending order

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36
papers

985
citations

393982

19
h-index

433756

31
g-index

36
all docs

36
docs citations

36
times ranked

1074
citing authors

#	ARTICLE	IF	CITATIONS
1	Higher oxidation level in graphene oxide. <i>Optik</i> , 2017, 143, 115-124.	1.4	114
2	Investigation of bandgap alteration in graphene oxide with different reduction routes. <i>Applied Surface Science</i> , 2020, 513, 145396.	3.1	68
3	Influence of thickness on optical and structural properties of BiFeO ₃ thin films: PLD grown. <i>Materials Research Bulletin</i> , 2014, 49, 531-536.	2.7	63
4	Sputter deposited chromium nitride thin electrodes for supercapacitor applications. <i>Materials Letters</i> , 2018, 220, 213-217.	1.3	61
5	Investigation on structural, linear, nonlinear and optical limiting properties of sol-gel derived nanocrystalline Mg doped ZnO thin films for optoelectronic applications. <i>Journal of Molecular Structure</i> , 2018, 1173, 375-384.	1.8	58
6	Linear and nonlinear optical investigations of N:ZnO/ITO thin films system for opto-electronic functions. <i>Optics and Laser Technology</i> , 2019, 112, 539-547.	2.2	57
7	Influence of interparticle interaction on the structural, optical and magnetic properties of NiO nanoparticles. <i>Physica B: Condensed Matter</i> , 2019, 552, 88-95.	1.3	42
8	Structural, morphological, optical and third order nonlinear optical response of spin-coated NiO thin films: An effect of N doping. <i>Solid State Sciences</i> , 2018, 86, 98-106.	1.5	39
9	Evidence of pseudocubic structure in sol-gel derived Pb _{1-x} CaxTiO ₃ (x=0.35-0.48) ceramic by dielectric and Raman spectroscopy. <i>Journal of Applied Physics</i> , 2007, 102, .	1.1	33
10	Effect of Annealing Temperature on Structural and Optical Properties of Sol-Gel-Derived ZnO Thin Films. <i>Journal of Electronic Materials</i> , 2018, 47, 3678-3684.	1.0	32
11	Highly Sensitive NiO Nanoparticle based Chlorine Gas Sensor. <i>Journal of Electronic Materials</i> , 2018, 47, 3451-3458.	1.0	31
12	Piezoelectric properties of nonstoichiometric Sr _{1-x} Bi _{2+2x} Ta ₂ O ₉ ceramics. <i>Journal of Applied Physics</i> , 2005, 97, 124101.	1.1	30
13	Dielectric and piezoelectric properties of sol-gel derived Ca doped PbTiO ₃ . <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2006, 130, 81-88.	1.7	30
14	Multifunctional behavior of acceptor-cation substitution at higher doping concentration in PZT ceramics. <i>Ceramics International</i> , 2019, 45, 12716-12726.	2.3	26
15	An effect of Fe on physical properties of nanostructured NiO thin films for nonlinear optoelectronic applications. <i>Applied Physics A: Materials Science and Processing</i> , 2020, 126, 1.	1.1	22
16	Linear, third order nonlinear and optical limiting studies on MZO/FTO thin film system fabricated by spin coating technique for electro-optic applications. <i>Journal of Materials Research</i> , 2018, 33, 3880-3889.	1.2	21
17	A significant effect of Ce-doping on key characteristics of NiO thin films for optoelectronics facilely fabricated by spin coater. <i>Superlattices and Microstructures</i> , 2019, 129, 230-239.	1.4	21
18	Investigation of structural, optical and vibrational properties of highly oriented ZnO thin film. <i>Vacuum</i> , 2018, 155, 662-666.	1.6	20

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19	Highly Sensitive Chemo-Resistive Ammonia Sensor Based on Dodecyl Benzene Sulfonic Acid Doped Polyaniline Thin Film. <i>Science of Advanced Materials</i> , 2015, 7, 518-525.	0.1	20
20	A facile one-step flash combustion synthesis and characterization on C doped NiO nanostructures. <i>Materials Science in Semiconductor Processing</i> , 2019, 100, 106-112.	1.9	19
21	A structural, morphological, linear, and nonlinear optical spectroscopic studies of nanostructured Al-doped ZnO thin films: An effect of Al concentrations. <i>Journal of Materials Research</i> , 2019, 34, 1309-1317.	1.2	19
22	Development and study of the structural and optical properties of hexagonal ZnO nanocrystals. <i>International Nano Letters</i> , 2012, 2, 1.	2.3	17
23	Higher permittivity of Ni-doped lead zirconate titanate, $Pb[(Zr_{0.52}Ti_{0.48})(1-x)Ni_x]O_3$, ceramics. <i>Ceramics International</i> , 2019, 45, 4398-4407.	2.3	17
24	Studies of photovoltaic properties of nanocrystalline thin films of $CdS \text{--} CdTe$. <i>Journal of Alloys and Compounds</i> , 2011, 509, 10003-10006.	2.8	16
25	Electrically reduced graphene oxide for photovoltaic application. <i>Journal of Materials Research</i> , 2019, 34, 652-660.	1.2	16
26	Enhancement in photodetection properties of PbI_2 with graphene oxide doping for visible-light photodetectors. <i>Sensors and Actuators A: Physical</i> , 2020, 314, 112223.	2.0	15
27	Study of Optical and Electrical Properties of Graphene Oxide. <i>Materials Today: Proceedings</i> , 2021, 36, 730-735.	0.9	14
28	Influence of Ca additives on the optical and dielectric studies of sol-gel derived $PbTiO_3$ ceramics. <i>Journal of Physics and Chemistry of Solids</i> , 2007, 68, 119-123.	1.9	12
29	One-step sputtered titanium nitride nano-pyramid thin electrodes for symmetric super-capacitor device. <i>Materials Letters</i> , 2019, 245, 142-146.	1.3	12
30	Optical properties of Silica capped Mn doped ZnS quantum dots. <i>Physica Scripta</i> , 2021, 96, 065802.	1.2	11
31	TG-DTA and FT-IR Studies on Sol-Gel Derived $Pb_{1-x}Ca_xTiO_3$. <i>Ferroelectrics</i> , 2005, 324, 77-81.	0.3	8
32	Qualitative analysis of PZT (52/48) MPB using different synthesis methods. <i>Ceramics International</i> , 2022, 48, 31111-31120.	2.3	8
33	Transitional ordering in reduced graphene oxide nanomaterials. <i>Materials Science in Semiconductor Processing</i> , 2022, 142, 106478.	1.9	6
34	Effect of substrates on optical properties of ferroelectric PZT (52/48) thin films. <i>Materials Today: Proceedings</i> , 2021, 36, 616-620.	0.9	4
35	Image super resolution using distributed locality sensitive hashing for manifold learning. <i>Multimedia Tools and Applications</i> , 2019, 78, 25673-25684.	2.6	3
36	CrN Sputtered Thin Films for Supercapacitor Applications. , 0, , .		0