Diptiranjan Sahu

List of Publications by Year in Descending Order

65 papers	1,925 citations	24 h-index	42 g-index
67 ext. papers	2,117 ext. citations	3.3 avg, IF	4.78 L-index

#	Paper	IF	Citations
65	Synthesis and electrochromic property improvement of NiO films for device applications. *Thin Solid Films*, **2020**, 707, 138097	2.2	6
64	Chemical pressure induced change in multiferroicity of Bi1+2xGd2x/2Fe1−xO3 bulk ceramics. *Physica B: Condensed Matter*, **2017**, 510, 80-85	2.8	3
63	Existence of electrochromic reversibility at the 1000th cyclic voltammetry for spin coating WO3 film. *Ionics*, **2017**, 23, 3227-3233	2.7	12
62	Electrochromic behavior of NiO film prepared by e-beam evaporation. *Journal of Science: Advanced Materials and Devices*, **2017**, 2, 225-232	4.2	24
61	Effect of Annealing Temperature and Oxygen Flow in the Properties of Ion Beam Sputtered SnO Thin Films. *Materials*, **2015**, 8, 5289-5297	3.5	8
60	Structural, electrical and magnetic behavior in high-temperature sintered Zn1 Mn x O. *Indian Journal of Physics*, **2015**, 89, 1143-1151	1.4	2
59	Photoluminescence and Raman studies for the confirmation of oxygen vacancies to induce ferromagnetism in Fe doped Mn:ZnO compound. *Journal of Magnetism and Magnetic Materials*, **2015**, 382, 111-116	2.8	27
58	Thickness dependence of optoelectronic properties in ALD grown ZnO thin films. *Applied Surface Science*, **2014**, 289, 27-32	6.7	53
57	XRD and M sbauer spectroscopy study of Ho doped BiFeO3. *Hyperfine Interactions*, **2013**, 219, 83-88	0.8	18
56	Growth and Application of ZnO Nanostructures. *International Journal of Applied Ceramic Technology* , **2013**, 10, 814-838	2	5
55	Correlation between structural, electrical and magnetic properties of GdMnO3 bulk ceramics. *Journal of Magnetism and Magnetic Materials*, **2013**, 339, 168-174	2.8	31
54	La0.7Sr0.3MnO3 film prepared by dc sputtering on silicon substrate: Effect of working pressure. *Journal of Physics and Chemistry of Solids*, **2012**, 73, 622-625	3.9	5
53	Enhancement of ferromagnetism and multiferroicity in Ho doped Fe rich BiFeO3. *Solid State Communications*, **2012**, 152, 1176-1180	1.6	16
52	Structural and magnetic property of Mn:ZnO bulk ceramic doped with rare earth (Gd/Sm) atoms. *Physica B: Condensed Matter*, **2012**, 407, 3575-3579	2.8	13
51	Structural evolution and chemical bonds in electrochromic WO3films during electrochemical cycles. *Journal Physics D: Applied Physics*, **2012**, 45, 225303	3	22
50	Electrochromic Nb-doped WO3 films: Effects of post annealing. *Ceramics International*, **2012**, 38, 2829-2833	3.3	16
49	Observation of quantum confinement effect on ZnO embedded mesoporous silica. *Journal of Nanoscience and Nanotechnology*, **2012**, 12, 2543-7	1.3	1

48	Room temperature multiferroicity in Bi rich Fe deficient Gd doped Bi1.2Gd0.1Fe0.8O3. *Journal of Alloys and Compounds*, **2011**, 509, 2645-2649	5.7	10
47	Dia-magnetic to ferro-magnetic behavioral change of Fe-catalysts based nitrogenated carbon nanotubes (NCNTs) by the process of chlorination/oxidation. *Journal of Nanoscience and Nanotechnology*, **2011**, 11, 8269-73	1.3	
46	Unusual ferromagnetism in high purity ZnO sintered ceramics. *Materials Research Bulletin*, **2011**, 46, 42-47	1.9	9
45	Influence of Ni doping on magnetic behavior of Mn doped ZnO. *Materials Letters*, **2011**, 65, 598-601	3.3	37
44	Ce-doped LCMO CMR manganites: a consequence of enhanced T c and T IM. *Bulletin of Materials Science*, **2011**, 34, 1501-1506	1.7	4
43	No room temperature ferromagnetism in Mn over-doped Zn1−xMnxO (x>0.02). *Journal of Magnetism and Magnetic Materials*, **2011**, 323, 641-645	2.8	15
42	Phase Composition and Photoluminescence Properties of Radio-Frequency Sputtered Pure and Sm3+-Doped ZrO2 Thin Films. *Journal of the American Ceramic Society*, **2010**, 93, 3481-3485	3.8	15
41	Lateral parameter variations on the properties of La0.7Sr0.3MnO3 films prepared on Si (100) substrates by dc magnetron sputtering. *Journal of Alloys and Compounds*, **2010**, 503, 163-169	5.7	10
40	Defect driven multiferroicity in Gd doped BiFeO3 at room temperature. *Journal of Magnetism and Magnetic Materials*, **2010**, 322, 3614-3622	2.8	41
39	Effect of holmium substitution for the improvement of multiferroic properties of BiFeO3. *Journal of Physics and Chemistry of Solids*, **2010**, 71, 1557-1564	3.9	92
38	Micro-Raman and XPS studies of pure ZnO ceramics. *Physica B: Condensed Matter*, **2010**, 405, 2492-2497	2.8	167
37	Properties of doped ZnO thin films grown by simultaneous dc and RF magnetron sputtering. *Materials Science and Engineering B: Solid-State Materials for Advanced Technology*, **2010**, 171, 99-103	3.1	13
36	Synthesis, analysis and characterization of ordered mesoporous TiO2/SBA-15 matrix: Effect of calcination temperature. *Microporous and Mesoporous Materials*, **2009**, 117, 640-649	5.3	58
35	Magnetic characterization of radio frequency heat affected micron size Fe3O4 powders: a bio-application perspective. *Journal of Nanoscience and Nanotechnology*, **2009**, 9, 3204-9	1.3	2
34	Thermal plasma assisted rapid sintering of MgO-doped Al2O3 oxide composites. *Materials Chemistry and Physics*, **2008**, 107, 435-443	4.4	7
33	Influence of doping rate in Er3+:ZnO films on emission characteristics. *Optics Letters*, **2008**, 33, 815-7	3	24
32	The properties of La0.7Sr0.3MnO3 films prepared by dc magnetron sputtering using nanosized powder compacted target: Effect of substrate temperature. *Applied Surface Science*, **2008**, 255, 1870-1873	6.7	12
31	Ultrafast sintering of La1−xCaxMnO3 bulk ceramics by thermal plasma assisted heating. *Journal of Magnetism and Magnetic Materials*, **2008**, 320, 1485-1489	2.8	8

30	Investigation of conductive and transparent Al-doped ZnO/Ag/Al-doped ZnO multilayer coatings by electron beam evaporation. *Thin Solid Films*, **2008**, 516, 4728-4732	2.2	113
29	The properties of ZnO/Cu/ZnO multilayer films before and after annealing in the different atmosphere. *Thin Solid Films*, **2007**, 516, 208-211	2.2	66
28	Improved properties of Al-doped ZnO film by electron beam evaporation technique. *Microelectronics Journal*, **2007**, 38, 245-250	1.8	60
27	Properties of ZnO/Cu/ZnO multilayer films deposited by simultaneous RF and DC magnetron sputtering at different substrate temperatures. *Microelectronics Journal*, **2007**, 38, 299-303	1.8	22
26	Studies on the properties of sputter-deposited Ag-doped ZnO films. *Microelectronics Journal*, **2007**, 38, 1252-1256	1.8	38
25	Annealing effect on the properties of La0.7Sr0.3MnO3 thin film grown on Si substrates by DC sputtering. *Physica B: Condensed Matter*, **2007**, 396, 75-80	2.8	20
24	Chemical pressure effect on CMR behavior of Sr substituted La0.67Ca0.33-xSrxMnO3. *Physica B: Condensed Matter*, **2007**, 400, 155-162	2.8	8
23	La0.67Ca0.33MnO3 thin films on Si (100) by DC magnetron sputtering technique using nanosized powder compacted target. *Materials Research Bulletin*, **2007**, 42, 1119-1127	5.1	6
22	Study on the electrical and optical properties of Ag/Al-doped ZnO coatings deposited by electron beam evaporation. *Applied Surface Science*, **2007**, 253, 4886-4890	6.7	56
21	ZnO/Ag/ZnO multilayer films for the application of a very low resistance transparent electrode. *Applied Surface Science*, **2006**, 252, 7509-7514	6.7	216
20	Design of ZnO/Ag/ZnO multilayer transparent conductive films. *Materials Science and Engineering B: Solid-State Materials for Advanced Technology*, **2006**, 130, 295-299	3.1	50
19	Characteristics of ZnO□Cu□ZnO multilayer films on copper layer properties. *Applied Surface Science*, **2006**, 253, 827-832	6.7	42
18	Dependence of film thickness on the electrical and optical properties of ZnO□Cu□ZnO multilayers. *Applied Surface Science*, **2006**, 253, 915-918	6.7	56
17	Properties and biodegradability of chitosan/nylon 11 blending films. *Polymer Degradation and Stability*, **2006**, 91, 3097-3102	4.7	25
16	High quality transparent conductive ZnO/Ag/ZnO multilayer films deposited at room temperature. *Thin Solid Films*, **2006**, 515, 876-879	2.2	118
15	Effect of substrate temperature and annealing treatment on the electrical and optical properties of silver-based multilayer coating electrodes. *Thin Solid Films*, **2006**, 515, 932-935	2.2	41
14	Synthesis of La0.7Sr0.3MnO3 materials by versatile chemical technique. *Physica B: Condensed Matter*, **2005**, 369, 209-214	2.8	24
13	Effect of compositional variation in sintering behaviour of Al□r oxide composites. *Materials Science and Engineering B: Solid-State Materials for Advanced Technology*, **2005**, 119, 29-35	3.1	4

12	Interlayer coupling in a trilayer junction having bismuth as spacer layer. *Applied Physics Letters*, **2005**, 86, 192501	3.4	12
11	Low K dielectrics in sintered Al□r oxide composites processed by thermal plasma heating. *Materials Science and Engineering B: Solid-State Materials for Advanced Technology*, **2004**, 106, 141-147	3.1	5
10	Lanthanum-based manganite films on MgO using SrTiO3 as a template layer. *Journal of Applied Physics*, **2004**, 96, 1170-1173	2.5	27
9	Effect of sintering process on the magnetotransport properties of Ho-doped La0.67Ca0.33MnO3. *Materials Chemistry and Physics*, **2003**, 77, 165-169	4.4	6
8	Effects of site substitution and metal ion addition on doped manganites. *Journal of Physics Condensed Matter*, **2002**, 14, 10323-10329	1.8	2
7	La1□BaxMnO3 epitaxial thin films by pulsed-laser deposition: A consequence of strain stabilization. *Applied Physics Letters*, **2002**, 81, 3597-3599	3.4	21
6	Studies on dielectric properties of Al□r oxide composites sintered by thermal plasma. *Materials Letters*, **2002**, 56, 817-821	3.3	9
5	Sintering of Al□r based oxide ceramics using thermal plasma. *Materials Chemistry and Physics*, **2001**, 67, 151-156	4.4	10
4	Effect of high temperature sintering schedule for enhanced CMR properties of La0.67Ca0.33MnO3 close to room temperature. *Materials Chemistry and Physics*, **2001**, 67, 267-271	4.4	11
3	Enhanced metal□nsulator transition and magnetoresistance in melt-processed La0.67Ca0.33MnO3 and Ho-doped manganites. *Applied Physics Letters*, **2001**, 78, 1598-1600	3.4	18
2	Colossal magnetoresistance in doped manganites: A consequence of percolation and phase separation. *Applied Physics Letters*, **2001**, 79, 506-508	3.4	22
1	Enhanced room-temperature magnetoresistance in partially melted La0.67Ca0.33MnO3 manganites. *Applied Physics Letters*, **2000**, 76, 763-765	3.4	30