Neeraj Panwar

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/7760587/publications.pdf

Version: 2024-02-01

56 papers	1,326 citations	304602 22 h-index	360920 35 g-index
58 all docs	58 docs citations	58 times ranked	1289 citing authors

#	Article	IF	Citations
1	Optical and Low-Temperature Magnetocaloric Properties of HoCr0.5Mn0.5O3 Compound. Journal of Superconductivity and Novel Magnetism, 2022, 35, 625-633.	0.8	3
2	Low-Temperature Magnetic and Magnetocaloric Properties of Manganese-Substituted Gd0.5Er0.5CrO3 Orthochromites. Crystals, 2022, 12, 263.	1.0	7
3	A comparative study of the structural, optical, magnetic and magnetocaloric properties of HoCrO3 and HoCr0.85Mn0.15O3 orthochromites. Ceramics International, 2021, 47, 7386-7397.	2.3	13
4	In-situ study of electrical transport in Pd/n-Si under high energy ion irradiation. Semiconductor Science and Technology, 2020, 35, 085004.	1.0	2
5	Preheated self-aligned graphene oxide for enhanced room temperature hydrogen storage. International Journal of Hydrogen Energy, 2020, 45, 19561-19566.	3.8	13
6	Observation of large electrocaloric properties in lead-free Ba0.98Ca0.02Ti0.98Sn0.02O3 ceramics. AIP Advances, 2019, 9, 055010.	0.6	5
7	Structural, electrical, optical and magnetic properties of SmCrO3 chromites: Influence of Gd and Mn co-doping. Journal of Alloys and Compounds, 2019, 792, 1122-1131.	2.8	21
8	Observation of large enhancement in energy-storage properties of lead-free polycrystalline 0.5BaZr_{0.2}Ti_{0.8}O₃â€“0.5Ba_{0.7}Ca_{0.3}TiO₃ ferroelectric thin films. Journal Physics D: Applied Physics, 2019, 52, 255304.	1.3	27
9	Analysis of the carrier conduction mechanism in 100â€ MeV O7+ ion irradiated Ti/n-Si Schottky barrier structures. Nuclear Instruments & Methods in Physics Research B, 2019, 443, 43-47.	0.6	5
10	Impact of tin substitution on the structural, dielectric, ferroelectric and piezoelectric properties of Ba0.98Ca0.02TiO3 ceramics. Physica B: Condensed Matter, 2019, 553, 68-75.	1.3	11
11	Observation of magnetization reversal behavior in Sm0.9Gd0.1Cr0.85Mn0.15O3 orthochromites. AIP Advances, 2018, 8, 055818.	0.6	9
12	Structural, microstructural, ferroelectric and photoluminescent properties of praseodymium modified Ba0.98Ca0.02Zr0.02Ti0.98O3 ceramics. Ceramics International, 2018, 44, 1690-1698.	2.3	8
13	A comparative study of structural and electrical properties in lead-free BCZT ceramics: Influence of the synthesis method. Acta Materialia, 2018, 155, 331-342.	3.8	85
14	Dielectric, Piezoelectric Enhancement and Photoluminescent Behavior in Low Temperature Sintered Pr-Modified Ba0.85Ca0.15Zr0.1Ti0.9O3 Ceramics. Journal of Electronic Materials, 2018, 47, 5870-5878.	1.0	13
15	Magnetization reversal behavior and magnetocaloric effect in SmCr0.85Mn0.15O3 chromites. Journal of Applied Physics, 2017, 121, .	1.1	34
16	Impact of low level praseodymium substitution on the magnetic properties of YCrO3 orthochromites. Physica B: Condensed Matter, 2017, 510, 104-108.	1.3	16
17	Observation of magnetization reversal and magnetocaloric effect in manganese modified EuCrO3 orthochromites. Physica B: Condensed Matter, 2017, 519, 69-75.	1.3	28
18	Structural, magnetic, magnetocaloric and specific heat investigations on Mn doped PrCrO₃orthochromites. Journal of Physics Condensed Matter, 2017, 29, 195802.	0.7	28

#	Article	IF	Citations
19	Defect chemistry and relaxation processes: effect of an amphoteric substituent in lead-free BCZT ceramics. Physical Chemistry Chemical Physics, 2016, 18, 31184-31201.	1.3	47
20	Enhanced Piezoelectric Properties of Praseodymiumâ€Modified Leadâ€Free (Ba_{0.85}Ca_{0.15})(Ti_{0.90}Zr_{0.10})O₃ Ceramics. Journal of the American Ceramic Society, 2015, 98, 3127-3135.	1.9	71
21	Improved piezoelectric and energy harvesting characteristics in lead-free Fe2O3 modified KNN ceramics. Journal of Electroceramics, 2015, 34, 255-261.	0.8	19
22	Photovoltaic effect in transition metal modified polycrystalline BiFeO₃thin films. Journal Physics D: Applied Physics, 2014, 47, 075502.	1.3	54
23	Structural, dielectric and impedance spectroscopy studies in (Bi0.90R0.10)Fe0.95Sc0.05O3 [R=La, Nd] ceramics. Ceramics International, 2014, 40, 9895-9902.	2.3	41
24	Magnetoelectric coupling effect in transition metal modified polycrystalline BiFeO3 thin films. Journal of Magnetism and Magnetic Materials, 2014, 369, 9-13.	1.0	11
25	Synthesis and physical properties of Ca- and Ta-modified (K,Na)NbO3lead-free piezoelectric ceramics. Phase Transitions, 2013, 86, 1130-1140.	0.6	9
26	Voltage-dependent domain evolution in La0.89Sr0.11MnO3 single crystals by Piezoresponse Force Microscopy. Solid State Communications, 2013, 164, 38-41.	0.9	1
27	Synthesis and characterization of lead-free 0.5Ba(Zr0.2Ti0.8)O3-0.5(Ba0.7Ca0.3)TiO3 ceramic. Journal of Applied Physics, 2013, 113, .	1.1	105
28	Improved magnetic and piezoresponse behavior of cobalt substituted BiFeO3 thin film. Thin Solid Films, 2012, 520, 6493-6498.	0.8	28
29	Domain growth kinetics in La0.89Sr0.11MnO3 single crystal studied by piezoresponse force microscopy. Journal of Applied Physics, 2012, 112, 052019.	1.1	12
30	Nanoscale piezoresponse and magnetic studies of multiferroic Co and Pr co-substituted BFO thin films. Materials Research Bulletin, 2012, 47, 4240-4245.	2.7	38
31	Impedance spectroscopy and conductivity studies in SrBi2(Ta1â^'xWx)2O9 ferroelectric ceramics. Physica B: Condensed Matter, 2012, 407, 4712-4720.	1.3	31
32	Structural, morphological and piezoresponse studies of Pr and Sc co-substituted BiFeO₃ ceramics. Journal Physics D: Applied Physics, 2012, 45, 055302.	1.3	71
33	Temperature Dependent Magnetic, Dielectric Studies of Sm-Substituted Bulk BiFeO3. Journal of Superconductivity and Novel Magnetism, 2012, 25, 1109-1114.	0.8	10
34	Structural and optical analysis of ZnBeMgO powder and thin films. Journal of Alloys and Compounds, 2011, 509, 1222-1225.	2.8	18
35	Effect of sintering temperature on the structural, dielectric and ferroelectric properties of tungsten substituted SBT ceramics. Physica B: Condensed Matter, 2011, 406, 374-381.	1.3	30
36	ZnBeMgO thin films based UV Detectors by Spin Coating. Materials Research Society Symposia Proceedings, 2011, 1315, 1.	0.1	0

#	Article	IF	Citations
37	Ferroelectric and Piezoelectric Studies on Moâ€"Substituted SrBi₂Ta₂O₉ Ferroelectric Ceramics. Integrated Ferroelectrics, 2011, 124, 1-9.	0.3	9
38	Low field magnetoresistance, temperature coefficient of resistance and magnetocaloric effect in Pr2/3Ba1/3MnO3:PdO composites. Materials Letters, 2010, 64, 2638-2640.	1.3	23
39	Thermal properties of La2/3Ba1/3(Mn1â^'xSbx)O3 manganites. Physica B: Condensed Matter, 2010, 405, 1-4.	1.3	24
40	Structural, electrical and thermal studies of Nb-doped manganites. Solid State Communications, 2010, 150, 684-688.	0.9	16
41	Structural, dielectric and magnetic properties of Pr substituted Bi1â^'xPrxFeO3 (0â‰¤xâ‰¤0.15) multiferroic compounds. Journal of Alloys and Compounds, 2010, 501, L29-L32.	2.8	82
42	Intrinsic and extrinsic transport properties of Pr0.67Ba0.33MnO3:Ag2O composites. Journal of Alloys and Compounds, 2010, 507, 439-442.	2.8	11
43	NANO-VANADIUM DOPING-DRIVEN LOW TEMPERATURE STRUCTURAL PHASE TRANSFORMATION IN TITANIA. Modern Physics Letters B, 2009, 23, 3543-3549.	1.0	0
44	Enhanced room temperature coefficient of resistance and magnetoresistance of Ag-added La_{0.7}Ca_{0.3â^'x}Ba_xMnO₃composites. Journal Physics D: Applied Physics, 2009, 42, 175002.	1.3	33
45	Magnetotransport and thermoelectric power of La2/3Ba1/3Mn1â^'xSbxO3Â(x=0â€“0.05) manganite perovskites. Solid State Communications, 2008, 145, 86-90.	0.9	13
46	Magneto-transport and thermal properties of Pr_{2/3}Ba_{1/3}(Mn_{1â^'x}Sb_x)O₃system Journal Physics D: Applied Physics, 2008, 41, 105004.	1.3	7
47	Transport properties of Cs doped Pr2/3(Ba1â^'xCsx)1/3MnO3 manganites. Journal of Alloys and Compounds, 2008, 456, 479-484.	2.8	5
48	Magnetotransport, thermoelectric power, thermal conductivity and specific heat of Pr2/3Sr1/3MnO3 manganite. Journal of Applied Physics, 2008, 104, .	1.1	17
49	Thermoelectric power studies on (1â^'x) Pr2/3Ba1/3MnO3+xAg2O composites. Journal of Physics Condensed Matter, 2008, 20, 285223.	0.7	1
50	STRUCTURAL, ELECTRICAL AND MAGNETIC PROPERTIES OF Pr_{1-x}Ba_xMnO₃(x=0.33â€“0.80) International Journal of Modern Physics B, 2007, 21, 2647-2656.	1.0	8
51	Structural, electrical and magnetic properties of Sb-doped Pr2/3Ba1/3MnO3 perovskite manganites. Journal of Alloys and Compounds, 2007, 439, 205-209.	2.8	19
52	Magnetotransport, magnetization and thermoelectric power of Pr_{2/3}Ba_{1/3}MnO₃â€‰:â€‰PdO composite manganites. Journal Physics D: Applied Physics, 2007, 40, 7548-7554.	1.3	19
53	Magneto-transport and magnetization studies of Pr_{2/3}Ba_{1/3}MnO₃:Ag₂O composite manganites. Journal of Physics Condensed Matter, 2007, 19, 456224.	0.7	27
54	Structural, magnetotransport and morphological studies of Sb-doped La2/3Ba1/3MnO3 ceramic perovskites. Journal of Physics and Chemistry of Solids, 2007, 68, 1685-1691.	1.9	50

#	Article	IF	Citations
55	Grain boundary effects on the electrical and magnetic properties of Pr2/3Ba1/3MnO3 and La2/3Ca1/3MnO3 manganites. Materials Letters, 2007, 61, 4879-4883.	1.3	38
56	Effect of Mn doping on the specific heat of the high Tc superconductor Y1-xPrxBa2Cu3Oy. Journal of Physics: Conference Series, 2006, 43, 531-534.	0.3	0