

Dillip K Pradhan

List of Publications by Year in descending order

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55
papers

2,367
citations

201674

27
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206112

48
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55
all docs

55
docs citations

55
times ranked

1926
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of Mn substitution on electrical and magnetic properties of Bi _{0.9} La _{0.1} FeO ₃ . Journal of Applied Physics, 2009, 106, .	2.5	273
2	Impedance and Raman spectroscopic studies of (Na _{0.5} Bi _{0.5})TiO ₃ . Journal Physics D: Applied Physics, 2011, 44, 355402.	2.8	265
3	Dielectric and impedance spectroscopy of zirconium modified (Na _{0.5} Bi _{0.5})TiO ₃ ceramics. Ceramics International, 2013, 39, 5695-5704.	4.8	131
4	Studies on structural, dielectric, and transport properties of Ni _{0.65} Zn _{0.35} Fe ₂ O ₄ . Journal of Applied Physics, 2014, 115, 243904.	2.5	102
5	Correlation of dielectric, electrical and magnetic properties near the magnetic phase transition temperature of cobalt zinc ferrite. Physical Chemistry Chemical Physics, 2017, 19, 210-218.	2.8	96
6	Complex impedance studies on a layered perovskite ceramic oxide NaNdTiO ₄ . Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2005, 116, 7-13.	3.5	93
7	Effect of La substitution on structural and electrical properties of Ba(Fe _{2/3} W _{1/3})O ₃ nanoceramics. Journal of Materials Science, 2007, 42, 7423-7432.	3.7	93
8	Studies of dielectric and electrical properties of a new type of complex tungsten bronze electroceramics. Journal of Materials Science: Materials in Electronics, 2012, 23, 779-785.	2.2	82
9	Studies of Phase Transitions and Magnetoelectric Coupling in PFN-CZFO Multiferroic Composites. Journal of Physical Chemistry C, 2016, 120, 1936-1944.	3.1	71
10	Dielectric and Raman Spectroscopic Studies of (Na _{0.5} Bi _{0.5})TiO ₃ Ferroelectric System. Journal of the American Ceramic Society, 2014, 97, 1846-1854.	3.0	70
11	Impedance spectroscopic study on microwave sintered (1-x) Na _{0.5} Bi _{0.5} TiO ₃ -x BaTiO ₃ ceramics. Journal of Materials Science: Materials in Electronics, 2018, 29, 6966-6977.	2.2	67
12	Phase transition and electrical properties of lanthanum-modified sodium bismuth titanate. Materials Chemistry and Physics, 2012, 132, 1007-1014.	4.0	64
13	Castor oil and sorbitan monopalmitate based organogel as a probable matrix for controlled drug delivery. Journal of Applied Polymer Science, 2013, 130, 1503-1515.	2.6	62
14	Unravelling the nature of magneto-electric coupling in room temperature multiferroic particulate (PbFe _{0.5} Nb _{0.5} O ₃)-(Co _{0.6} Zn _{0.4} Fe _{1.7} Mn _{0.3} O ₄) composites. Scientific Reports, 2021, 11, 3149.	3.3	54
15	Room temperature multiferroic properties of Pb(Fe _{0.5} Nb _{0.5})O ₃ -Co _{0.65} Zn _{0.35} Fe ₂ O ₄ composites. Journal of Applied Physics, 2013, 114, .	2.5	52
16	Phase transition and enhanced magneto-dielectric response in BiFeO ₃ -DyMnO ₃ multiferroics. Journal of Applied Physics, 2015, 117, .	2.5	45
17	Structural transformations and physical properties of (1-x) Na _{0.5} Bi _{0.5} TiO ₃ solid solutions near a morphotropic phase boundary. Journal of Physics Condensed Matter, 2019, 31, 075401.		
18	Impedance characteristics of Pb(Fe _{2/3} W _{1/3})O ₃ -BiFeO ₃ composites. Physica Status Solidi (B): Basic Research, 2007, 244, 2254-2266.	1.5	43

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19	Observation of ionic transport and ion-coordinated segmental motions in composite (polymer-salt-clay) solid polymer electrolyte. <i>Ionics</i> , 2015, 21, 401-410.	2.4	43
20	Investigations of Relaxation Dynamics and Observation of Nearly Constant Loss Phenomena in PEO ₂₀ -LiCF ₃ SO ₃ -ZrO ₂ Based Polymer Nano-Composite Electrolyte. <i>Electrochimica Acta</i> , 2016, 202, 147-156.	5.2	43
21	Studies on an ionically conducting polymer nanocomposite. <i>Journal of Power Sources</i> , 2006, 159, 272-276.	7.8	42
22	Structural, microstructural and magneto-electric properties of single-phase BiFeO ₃ nanoceramics prepared by auto-combustion method. <i>Materials Chemistry and Physics</i> , 2013, 141, 423-431.	4.0	42
23	Dielectric/ferroelectric properties of ferroelectric ceramic dispersed poly(vinylidene fluoride) with enhanced \hat{r}^2 -phase formation. <i>Materials Chemistry and Physics</i> , 2019, 230, 221-230.	4.0	34
24	Phase transition and magneto-electric coupling of BiFeO ₃ –YMnO ₃ multiferroic nanoceramics. <i>Journal of Applied Physics</i> , 2013, 114, .	2.5	31
25	Relaxor characteristics of Pb(Fe ₂ W ₁) ₃ O ₃ –BiFeO ₃ solid solution prepared by mechano-synthesis route. <i>Journal of Applied Physics</i> , 2006, 100, 084105.	2.5	30
26	The ionic transport mechanism and coupling between the ion conduction and segmental relaxation processes of PEO ₂₀ -LiCF ₃ SO ₃ based ion conducting polymer clay composites. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 19955-19965.	2.8	30
27	Studies of ferroelectric properties and leakage current behaviour of microwave sintered ferroelectric Na _{0.5} Bi _{0.5} TiO ₃ ceramic. <i>Ferroelectrics</i> , 2017, 517, 25-33.	0.6	28
28	Development and Characterization of Soy Lecithin and Palm Oil-based Organogels. <i>Polymer-Plastics Technology and Engineering</i> , 2014, 53, 865-879.	1.9	27
29	Exploring the Magnetoelectric Coupling at the Composite Interfaces of FE/FM/FE Heterostructures. <i>Scientific Reports</i> , 2018, 8, 17381.	3.3	26
30	Enhanced ferroelectric and piezoelectric properties of BCT-BZT at the morphotropic phase boundary driven by the coexistence of phases with different symmetries. <i>Physical Review B</i> , 2021, 104, .	3.2	26
31	Palm oil-based organogels and microemulsions for delivery of antimicrobial drugs. <i>Journal of Applied Polymer Science</i> , 2014, 131, .	2.6	24
32	Coupled Ion Conduction Mechanism and Dielectric Relaxation Phenomenon in PEO ₂₀ -LiCF ₃ SO ₃ -Based Ion Conducting Polymer Nanocomposite Electrolytes. <i>Journal of Physical Chemistry C</i> , 2018, 122, 4133-4143.	3.1	22
33	Ferroelectric ceramic dispersion to enhance the \hat{r}^2 phase of polymer for improving dielectric and ferroelectric properties of the composites. <i>Polymer Bulletin</i> , 2021, 78, 5317-5336.	3.3	21
34	Studies of magnetic phase transitions in orthorhombic DyMnO ₃ ceramics prepared by acrylamide polymer gel template method. <i>Journal of Magnetism and Magnetic Materials</i> , 2019, 480, 138-149.	2.3	18
35	Structural, dielectric and electrical properties of pyrochlore-type Gd ₂ Zr ₂ O ₇ ceramic. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 21959-21970.	2.2	18
36	Gelatin-carbohydrate phase-separated hydrogels as bioactive carriers in vaginal delivery: Preparation and physical characterizations. <i>Journal of Applied Polymer Science</i> , 2014, 131, .	2.6	16

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37	Room temperature multiferroicity and magnetodielectric coupling in $0\hat{a}^{\circ}3$ composite thin films. Journal of Applied Physics, 2020, 127, .	2.5	16
38	Enhancing functional properties of PVDF-HFP/BZT-BCT polymer-ceramic composites by surface hydroxylation of ceramic fillers. Ceramics International, 2021, 47, 33563-33576.	4.8	16
39	Phase transitions and magneto-electric properties of $70\hat{a}^{\circ}\%wt.\hat{a}^{\circ}\% Pb(Fe_{0.5}Nb_{0.5})O_3\hat{a}^{\circ}30\hat{a}^{\circ}\%wt.\hat{a}^{\circ}\% Co_{0.6}Zn_{0.4}Fe_{1.7}Mn_{0.3}O_4$ multiferroic composite. Journal of Applied Physics, 2021, 130, .	2.5	16
40	Reconstructing phase diagrams from local measurements via Gaussian processes: mapping the temperature-composition space to confidence. Npj Computational Materials, 2018, 4, .	8.7	15
41	Studies on dielectric, optical, magnetic, magnetic domain structure, and resistance switching characteristics of highly c-axis oriented NZFO thin films. Journal of Applied Physics, 2017, 122, 033902.	2.5	13
42	Ferroc phase transitions and magnetoelectric coupling in cobalt doped $BaTiO_3$. Journal of Materials Chemistry C, 2021, 9, 12694-12711.	5.5	13
43	Sintering dependent Ca^{2+} solubility in barium titanate synthesized by sol-gel auto combustion method. Journal of Materials Science: Materials in Electronics, 2018, 29, 20820-20831.	2.2	8
44	Exploring phase transitions and magnetoelectric coupling of epitaxial asymmetric multilayer heterostructures. Journal of Materials Chemistry C, 2020, 8, 12113-12122.	5.5	8
45	Room-temperature large magnetoelectricity in a transition metal doped ferroelectric perovskite. Physical Review B, 2021, 104, .	3.2	8
46	Genipin-Crosslinked Gelatin-Based Emulgels: an Insight into the Thermal, Mechanical, and Electrical Studies. AAPS PharmSciTech, 2015, 16, 1254-1262.	3.3	7
47	Enhanced functional properties of soft polymer-ceramic composites by swift heavy ion irradiation. Physical Chemistry Chemical Physics, 2019, 21, 24629-24642.	2.8	7
48	Investigation of the Phase Transitions and Magneto-Electric Response in the $0.9(PbFe_{0.5}Nb_{0.5})O_3-0.1Co_{0.6}Zn_{0.4}Fe_{1.7}Mn_{0.3}O_4$ Particulate Composite. Journal of Composites Science, 2021, 5, 165.	3.0	4
49	The effect of rare-earth Gd-substitution on the structural, magnetic and specific heat properties in orthorhombic $DyMnO_3$ ceramics. Journal Physics D: Applied Physics, 2020, 53, 405301.	2.8	2
50	Electric conductivity and dielectric relaxation properties of $BiFeO_3$ - $YMnO_3$ solid solution. Ferroelectrics, 2022, 589, 103-122.	0.6	2
51	Effect of poling on ferroelectric properties and leakage current behavior of $0.7Ba(Zr_{0.2}Ti_{0.8})O_3-0.3(Ba_{0.7}Ca_{0.3})TiO_3$ lead free ceramics. AIP Conference Proceedings, 2019, , .	0.4	1
52	Room temperature magneto-dielectric properties of PFN-CZFMO composite. AIP Conference Proceedings, 2020, , .	0.4	1
53	Studies of structural and dielectric properties in $Co_{0.9}Zn_{0.1}Fe_2O_4$ ceramics. Ferroelectrics, 2022, 588, 45-54.	0.6	1
54	Structural and electrical characterization of $Bi_{9-x}Ti_3Mn_{5+x}O_{27}$. Journal of Materials Science: Materials in Electronics, 2012, 23, 1783-1787.	2.2	0

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55	Structural, magnetic and dielectric properties of Dy _{0.95} Gd _{0.05} MnO ₃ prepared by acrylamide polymer gel template method. AIP Conference Proceedings, 2019, , .	0.4	0