

Dillip K Pradhan

List of Publications by Year in descending order

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55
papers

2,367
citations

201674

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206112

48
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all docs

55
docs citations

55
times ranked

1926
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Studies of structural and dielectric properties in $\text{Co}_{0.9}\text{Zn}_{0.1}\text{Fe}_2\text{O}_4$ ceramics. <i>Ferroelectrics</i> , 2022, 588, 45-54. | 0.6 | 1 |
| 2 | Electric conductivity and dielectric relaxation properties of $\text{BiFeO}_3\text{-YMnO}_3$ solid solution. <i>Ferroelectrics</i> , 2022, 589, 103-122. | 0.6 | 2 |
| 3 | Ferroelectric ceramic dispersion to enhance the $\hat{\Gamma}^2$ phase of polymer for improving dielectric and ferroelectric properties of the composites. <i>Polymer Bulletin</i> , 2021, 78, 5317-5336. | 3.3 | 21 |
| 4 | Unravelling the nature of magneto-electric coupling in room temperature multiferroic particulate ($\text{PbFe}_{0.5}\text{Nb}_{0.5}\text{O}_3$) $\hat{\Gamma}^2$ ($\text{Co}_{0.6}\text{Zn}_{0.4}\text{Fe}_{1.7}\text{Mn}_{0.3}\text{O}_4$) composites. <i>Scientific Reports</i> , 2021, 11, 3149. | 3.3 | 54 |
| 5 | Investigation of the Phase Transitions and Magneto-Electric Response in the $0.9(\text{PbFe}_{0.5}\text{Nb}_{0.5})\text{O}_3\text{-}0.1\text{Co}_{0.6}\text{Zn}_{0.4}\text{Fe}_{1.7}\text{Mn}_{0.3}\text{O}_4$ Particulate Composite. <i>Journal of Composites Science</i> , 2021, 5, 165. | 3.0 | 4 |
| 6 | Enhancing functional properties of PVDF-HFP/BZT-BCT polymer-ceramic composites by surface hydroxylation of ceramic fillers. <i>Ceramics International</i> , 2021, 47, 33563-33576. | 4.8 | 16 |
| 7 | Phase transitions and magneto-electric properties of 70 $\hat{\Gamma}^2$ wt. $\hat{\Gamma}^2$ $\text{Pb}(\text{Fe}_{0.5}\text{Nb}_{0.5})\text{O}_3$ $\hat{\Gamma}^2$ 30 $\hat{\Gamma}^2$ wt. $\hat{\Gamma}^2$ $\text{Co}_{0.6}\text{Zn}_{0.4}\text{Fe}_{1.7}\text{Mn}_{0.3}\text{O}_4$ multiferroic composite. <i>Journal of Applied Physics</i> , 2021, 130, . | 2.5 | 16 |
| 8 | Ferroic phase transitions and magnetoelectric coupling in cobalt doped BaTiO_3 . <i>Journal of Materials Chemistry C</i> , 2021, 9, 12694-12711. | 5.5 | 13 |
| 9 | Room-temperature large magnetoelectricity in a transition metal doped ferroelectric perovskite. <i>Physical Review B</i> , 2021, 104, . | 3.2 | 8 |
| 10 | 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 |
| 11 | Exploring phase transitions and magnetoelectric coupling of epitaxial asymmetric multilayer heterostructures. <i>Journal of Materials Chemistry C</i> , 2020, 8, 12113-12122. | 5.5 | 8 |
| 12 | Structural, dielectric and electrical properties of pyrochlore-type $\text{Gd}_2\text{Zr}_2\text{O}_7$ ceramic. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 21959-21970. | 2.2 | 18 |
| 13 | Room temperature multiferroicity and magnetodielectric coupling in $\text{O}\hat{\Gamma}^2$ 3 composite thin films. <i>Journal of Applied Physics</i> , 2020, 127, . | 2.5 | 16 |
| 14 | The effect of rare-earth Gd-substitution on the structural, magnetic and specific heat properties in orthorhombic DyMnO_3 ceramics. <i>Journal Physics D: Applied Physics</i> , 2020, 53, 405301. | 2.8 | 2 |
| 15 | Room temperature magneto-dielectric properties of PFN-CZFMo composite. <i>AIP Conference Proceedings</i> , 2020, , . | 0.4 | 1 |
| 16 | Effect of poling on ferroelectric properties and leakage current behavior of $0.7\text{Ba}(\text{Zr}_{0.2}\text{Ti}_{0.8})\text{O}_3\text{-}0.3(\text{Ba}_{0.7}\text{Ca}_{0.3})\text{TiO}_3$ lead free ceramics. <i>AIP Conference Proceedings</i> , 2019, , . | 0.4 | 1 |
| 17 | Structural, magnetic and dielectric properties of $\text{Dy}_{0.95}\text{Gd}_{0.05}\text{MnO}_3$ prepared by acrylamide polymer gel template method. <i>AIP Conference Proceedings</i> , 2019, , . | 0.4 | 0 |
| 18 | Dielectric/ferroelectric properties of ferroelectric ceramic dispersed poly(vinylidene fluoride) with enhanced $\hat{\Gamma}^2$ -phase formation. <i>Materials Chemistry and Physics</i> , 2019, 230, 221-230. | 4.0 | 34 |

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|----|--|-----|-----------|
| 19 | Studies of magnetic phase transitions in orthorhombic DyMnO ₃ ceramics prepared by acrylamide polymer gel template method. Journal of Magnetism and Magnetic Materials, 2019, 480, 138-149. | 2.3 | 18 |
| 20 | Enhanced functional properties of soft polymer-ceramic composites by swift heavy ion irradiation. Physical Chemistry Chemical Physics, 2019, 21, 24629-24642. | 2.8 | 7 |
| 21 | Structural transformations and physical properties of (1-x)Na _{0.5} Bi _{0.5} TiO ₃ -x BaTiO ₃ solid solutions near a morphotropic phase boundary. Journal of Physics Condensed Matter, 2019, 31, 075401. | | |
| 22 | Reconstructing phase diagrams from local measurements via Gaussian processes: mapping the temperature-composition space to confidence. Npj Computational Materials, 2018, 4, . | 8.7 | 15 |
| 23 | 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 |
| 24 | Coupled Ion Conduction Mechanism and Dielectric Relaxation Phenomenon in PEO ₂₀ -LiCF ₃ SO ₃ -Based Ion Conducting Polymer Nanocomposite Electrolytes. Journal of Physical Chemistry C, 2018, 122, 4133-4143. | 3.1 | 22 |
| 25 | Exploring the Magnetoelectric Coupling at the Composite Interfaces of FE/FM/FE Heterostructures. Scientific Reports, 2018, 8, 17381. | 3.3 | 26 |
| 26 | 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 |
| 27 | 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 |
| 28 | Studies of ferroelectric properties and leakage current behaviour of microwave sintered ferroelectric Na _{0.5} Bi _{0.5} TiO ₃ ceramic. Ferroelectrics, 2017, 517, 25-33. | 0.6 | 28 |
| 29 | 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 |
| 30 | 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. Electrochimica Acta, 2016, 202, 147-156. | 5.2 | 43 |
| 31 | 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. Physical Chemistry Chemical Physics, 2016, 18, 19955-19965. | 2.8 | 30 |
| 32 | Studies of Phase Transitions and Magnetoelectric Coupling in PFN-CZFO Multiferroic Composites. Journal of Physical Chemistry C, 2016, 120, 1936-1944. | 3.1 | 71 |
| 33 | Phase transition and enhanced magneto-dielectric response in BiFeO ₃ -DyMnO ₃ multiferroics. Journal of Applied Physics, 2015, 117, . | 2.5 | 45 |
| 34 | Genipin-Crosslinked Gelatin-Based Emulgels: an Insight into the Thermal, Mechanical, and Electrical Studies. AAPS PharmSciTech, 2015, 16, 1254-1262. | 3.3 | 7 |
| 35 | Observation of ionic transport and ion-coordinated segmental motions in composite (polymer-salt-clay) solid polymer electrolyte. Ionics, 2015, 21, 401-410. | 2.4 | 43 |
| 36 | Gelatin-carbohydrate phase-separated hydrogels as bioactive carriers in vaginal delivery: Preparation and physical characterizations. Journal of Applied Polymer Science, 2014, 131, . | 2.6 | 16 |

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|----|---|-----|-----------|
| 37 | Development and Characterization of Soy Lecithin and Palm Oil-based Organogels. Polymer-Plastics Technology and Engineering, 2014, 53, 865-879. | 1.9 | 27 |
| 38 | Palm oil-based organogels and microemulsions for delivery of antimicrobial drugs. Journal of Applied Polymer Science, 2014, 131, . | 2.6 | 24 |
| 39 | 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 |
| 40 | 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. | 3.7 | 30 |
| 41 | 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 |
| 42 | Structural, microstructural and magneto-electric properties of single-phase BiFeO ₃ nanoceramics prepared by auto-combustion method. Materials Chemistry and Physics, 2013, 141, 423-431. | 4.0 | 42 |
| 43 | Phase transition and magneto-electric coupling of BiFeO ₃ –Ymno ₃ multiferroic nanoceramics. Journal of Applied Physics, 2013, 114, . | 2.5 | 31 |
| 44 | 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 |
| 45 | 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 |
| 46 | Structural and electrical characterization of Bi _{9-x} Ti ₃ Mn _{5+x} O ₂₇ . Journal of Materials Science: Materials in Electronics, 2012, 23, 1783-1787. | 2.2 | 0 |
| 47 | Phase transition and electrical properties of lanthanum-modified sodium bismuth titanate. Materials Chemistry and Physics, 2012, 132, 1007-1014. | 4.0 | 64 |
| 48 | 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 |
| 49 | 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 |
| 50 | 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 |
| 51 | 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 |
| 52 | 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 |
| 53 | Relaxor characteristics of Pb(Fe ₂ •3W ₁ •3)O ₃ –BiFeO ₃ solid solution prepared by mechano-synthesis route. Journal of Applied Physics, 2006, 100, 084105. | 2.5 | 30 |
| 54 | Studies on an ionically conducting polymer nanocomposite. Journal of Power Sources, 2006, 159, 272-276. | 7.8 | 42 |

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|----|---|-----|-----------|
| 55 | 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 |