

Rajanikanta Parida

List of Publications by Year in descending order

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papers

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759233

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45
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140
citing authors

#	ARTICLE	IF	CITATIONS
1	Multifunctional feature of double perovskite strontium iron vanadate for storage device. <i>Materials Chemistry and Physics</i> , 2022, 275, 125254.	4.0	15
2	Multifunctional characterization of Ca-modified new double perovskite for energy harvesting devices. <i>Physica B: Condensed Matter</i> , 2022, 624, 413373.	2.7	11
3	Structural and electrical investigation of Bi ³⁺ doped SmFeO ₃ -BaTiO ₃ perovskite system. <i>Materials Today: Proceedings</i> , 2022, 49, 2365-2368.	1.8	2
4	Thermal and dielectric properties of two-dimensional layered MXene (Ti ₃ C ₂ T _x) filled linear low-density polyethylene composites. <i>Journal of Applied Polymer Science</i> , 2022, 139, 51743.	2.6	6
5	Structural, thermal and dielectric behaviour of exfoliated graphite nanoplatelets (xGnP) filled EVA/EOC blend composites. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2022, 275, 115497.	3.5	5
6	Thermal and dielectric behavior of Ti ₃ C ₂ T _x (MXene) incorporated ethylene vinyl acetate copolymer/linear low-density polyethylene nanocomposites. <i>Journal of Materials Science: Materials in Electronics</i> , 2022, 33, 4278.	2.2	2
7	Dielectric and electrical investigation of CaTiO ₃ modified BFO perovskites for possible device applications. <i>Materials Today: Proceedings</i> , 2022, 57, 1-4.	1.8	5
8	Synthesis and characterization of lead-free double perovskite Mg ₂ LaVO ₆ . <i>Journal of Materials Science: Materials in Electronics</i> , 2022, 33, 7691-7700.	2.2	2
9	Multiferroic behaviour in Bi ³⁺ doped solid solution SmFeO ₃ -BaTiO ₃ perovskite system. <i>Ceramics International</i> , 2022, 48, 18286-18293.	4.8	8
10	Ferroelectric and electrical Investigation of new multifunctional material Sr ₂ BiNbO ₆ for possible device application. <i>Inorganic Chemistry Communication</i> , 2022, 139, 109338.	3.9	6
11	Relaxation dynamics, conductivity and electrical study of a lead free perovskite. <i>Materials Today: Proceedings</i> , 2021, 35, 91-93.	1.8	2
12	Dielectric and transport properties of Sr ²⁺ modified lead free double perovskite. <i>Materials Today: Proceedings</i> , 2021, 35, 94-96.	1.8	1
13	Theory of magnetization in p-type Pb _{1-x} EuxS. <i>Materials Today: Proceedings</i> , 2021, 35, 106-108.	1.8	0
14	Optical, dielectric and magnetic investigation of vanadium based double perovskite. <i>Materials Science in Semiconductor Processing</i> , 2021, 123, 105503.	4.0	27
15	Structural, thermal and dielectric behavior of two-dimensional layered Ti ₃ C ₂ T _x (MXene) filled ethylene vinyl acetate (EVA) nanocomposites. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 8081-8091.	2.2	10
16	Dielectric and optical spectroscopy of new polycrystalline ceramic for device applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 13568-13580.	2.2	1
17	Exfoliated graphite nanoplatelet (xGnP) filled EVA/EOC blends nanocomposites for efficient microwave absorption in the S-band (2-4 GHz). <i>Composites Science and Technology</i> , 2021, 207, 108716.	7.8	21
18	Dielectric, electrical and magnetic characteristics of BST modified BLFO lead free ceramic. <i>Journal of Alloys and Compounds</i> , 2021, 863, 158060.	5.5	8

#	ARTICLE	IF	CITATIONS
19	Dielectric, magnetic and optical study of La-doped BFO-BST ceramic for multifunctional applications. <i>Materials Science in Semiconductor Processing</i> , 2021, 128, 105720.	4.0	12
20	Dielectric and magnetic behavior of Sr-modified vanadium based double perovskite. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2021, 271, 115234.	3.5	15
21	Investigation of multifunctional characteristics in SmFeO ₃ -BaTiO ₃ perovskite system for devices. <i>Materials Science in Semiconductor Processing</i> , 2021, 135, 106071.	4.0	2
22	Dielectric and impedance spectroscopy of (CoNiO ₃) _{0.5} -(BaTiO ₃) _{0.5} solid solution for device applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 27698-27709.	2.2	3
23	Investigation of multifunctional features in new double perovskite PbSrBiNbO ₆ for possible devices. <i>Inorganic Chemistry Communication</i> , 2021, 134, 109074.	3.9	9
24	Transport and semiconducting behavior of Ca ₂ BiNbO ₆ new inorganic double perovskite. <i>Applied Physics A: Materials Science and Processing</i> , 2021, 127, 1.	2.3	12
25	Optical and transport properties of double perovskite strontium bismuth vanadate. <i>Journal of Molecular Structure</i> , 2020, 1205, 127607.	3.6	12
26	Dielectric and thermal behavior of 0.75BiFeO ₃ -0.25BaTiO ₃ filled ethylene vinyl acetate composites. <i>Materials Chemistry and Physics</i> , 2020, 243, 122527.	4.0	10
27	Multifunctional character of revived La-modified lithium titanate electrolyte: solar cell devices at a glance. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 21591-21601.	2.2	5
28	Effect of substitution of alkaline earth metal ion on the structural and dielectric properties of double perovskite. <i>Phase Transitions</i> , 2020, 93, 509-527.	1.3	5
29	Multifunctional behavior of Ca-doped niobium-based double perovskite for photovoltaic/solar cell devices. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 6097-6108.	2.2	15
30	Multifunctional character of revived double perovskite for device applications. <i>Materials Chemistry and Physics</i> , 2020, 247, 122690.	4.0	2
31	Structural, dielectric and magnetic behavior of BST modified rare earth ortho-ferrite LaFeO ₃ . <i>Ceramics International</i> , 2020, 46, 16502-16509.	4.8	16
32	Ferroelectric and optical behavior of Pb _{0.5} Ba _{1.5} BiNbO ₆ double perovskite. <i>Ferroelectrics</i> , 2019, 540, 18-28.	0.6	1
33	Dielectric and ferroelectric investigations of barium doped double perovskite Pb ₂ BiVO ₆ for electronic and optical devices. <i>Materials Chemistry and Physics</i> , 2019, 231, 372-381.	4.0	13
34	Structural and optical properties of a revived Pb _{0.5} Ba _{1.5} BiVO ₆ perovskite oxide. <i>Journal of Advanced Dielectrics</i> , 2019, 09, 1950004.	2.4	8
35	Ferroelectric and optical modulations of double perovskite Ba ₂ BiVO ₆ . <i>Journal of Molecular Structure</i> , 2019, 1189, 288-298.	3.6	20
36	Multiferroic and optical spectroscopic behavior of BST in BFO environment. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 9211-9218.	2.2	18

#	ARTICLE	IF	CITATIONS
37	Structural and conduction behaviour of (BaSr)0.5TiO3 modified in BFO perovskite. Materials Chemistry and Physics, 2019, 225, 91-98.	4.0	37
38	Ferroelectric and optical properties of $\tilde{\text{Ba-doped}}^{\text{TM}}$ new double perovskites. Phase Transitions, 2018, 91, 638-648.	1.3	5
39	Optical and transport properties of new double perovskite oxide. Journal of Materials Science: Materials in Electronics, 2018, 29, 6215-6224.	2.2	24
40	Impedance and modulus analysis of double perovskite Pb2BiVO6. Journal of Materials Science: Materials in Electronics, 2017, 28, 16689-16695.	2.2	29
41	Multi-ferroic and optical spectroscopy properties of (Bi0.5Sr0.5) (Fe0.5Ti0.5) O3 solid solution. Journal of Alloys and Compounds, 2017, 696, 338-344.	5.5	41
42	A Comparative Study of High Frequency Characteristics of SiC-Based DDR and SDR IMPATTs. Advanced Science Letters, 2014, 20, 668-670.	0.2	1
43	XRD and Thermal Characteristic Studies of Conducting Polymers. Journal of Reinforced Plastics and Composites, 2009, 28, 265-278.	3.1	3
44	Comparative study on the high-bandgap material (GaN and SiC)-based impact avalanche transit time device. IET Microwaves, Antennas and Propagation, 2008, 2, 789-793.	1.4	4