Bichitrananda Parida

List of Publications by Year
in descending order

104	1,476	331538	395590
papers	citations	21 h-index	33 g-index

108	108	108	646
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Multifunctional feature of double perovskite strontium iron vanadate for storage device. Materials Chemistry and Physics, 2022, 275, 125254.	2.0	15
2	Multifunctional characterization of Ca-modified new double perovskite for energy harvesting devices. Physica B: Condensed Matter, 2022, 624, 413373.	1.3	11
3	Structural and electrical investigation of â€˜Biâ€™ doped SmFeO3-BaTiO3 perovskite system. Materials Today: Proceedings, 2022, 49, 2365-2368.	0.9	2
4	Thermal and dielectric properties of twoâ€dimensional layered <scp>MXene</scp> (<scp>Ti₃C₂T_x</scp>) filled linear lowâ€density polyethylene composites. Journal of Applied Polymer Science, 2022, 139, 51743.	1.3	6
5	Multiferroic, Structural, Optical and Conduction Characteristics of PFN-BST. Journal of Electronic Materials, 2022, 51, 1385-1400.	1.0	5
6	Thermal and dielectric behavior of Ti3C2Tx (MXene) incorporated ethylene vinyl acetate copolymer/linear low-density polyethylene nanocomposites. Journal of Materials Science: Materials in Electronics, 2022, 33, 4278.	1.1	2
7	Synthesis and characterizations of â€˜Caâ€™-doped Ba(FeNb)_{0.5}O₃ for device application. Phase Transitions, 2022, 95, 163-177.	0.6	7
8	Dielectric and electrical investigation of CaTiO3 modified BFO perovskites for possible device applications. Materials Today: Proceedings, 2022, 57, 1-4.	0.9	5
9	Crystal structure, optical and dielectric properties of Ag:ZnO composite-like compounds. Journal of Materials Science: Materials in Electronics, 2022, 33, 2855-2868.	1.1	19
10	Dielectric and electrical properties of Ca-modified BFN perovskite. Materials Today: Proceedings, 2022, , .	0.9	2
11	Synthesis and characterization of Ba-doped vanadium-based double perovskite for multifunctional applications. Materials Today: Proceedings, 2022, , .	0.9	1
12	Synthesis and characterization of lead-free double perovskite Mg2LaVO6. Journal of Materials Science: Materials in Electronics, 2022, 33, 7691-7700.	1.1	2
13	Structural, dielectric and electrical behavior of Gd-doped LaFeO3 for possible devices. Materials Today: Proceedings, 2022, 57, 164-167.	0.9	1
14	Multiferroic behaviour in â€˜Biâ€™ doped solid solution SmFeO3-BaTiO3 perovskite system. Ceramics International, 2022, 48, 18286-18293.	2.3	8
15	Multifunctional characterization of multiferroic [Pb(Fe0.5Nb0.5)O3]0.5 - [(Ca0.2Sr0.8)TiO3]0.5 for storage and photocatalytic applications. Ceramics International, 2022, , .	2.3	1
16	Ferroelectric and electrical Investigation of new multifunctional material Sr2BiNbO6 for possible device application. Inorganic Chemistry Communication, 2022, 139, 109338.	1.8	6
17	Improved optical, dielectric, impedance, and magnetic properties of (BiFeO3)0.6(CaTiO3)0.4 for multifunctional utilities. Inorganic Chemistry Communication, 2022, 142, 109664.	1.8	12
18	Dielectric and optical modulation in Ca-doped BFN perovskite for possible device applications. Materials Today: Proceedings, 2022, , .	0.9	0

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19	Structural, electrical, magnetic and narrow band gap-correlated optical characteristics of multiferroic [Pb(Fe0.5Nb0.5)O3]0.5â˜[(Ba0.8Sr0.2)TiO3]0.5. Journal of the Korean Ceramic Society, 2022, 59, 811-834.	1.1	2
20	Structural, optical and magnetic characteristics of multiferroic [Pb(Fe0.5Nb0.5)O3]0.4 - [(Ca0.2Sr0.8)TiO3]0.6. Applied Physics A: Materials Science and Processing, 2022, 128, .	1.1	1
21	Relaxation dynamics, conductivity and electrical study of a lead free perovskite. Materials Today: Proceedings, 2021, 35, 91-93.	0.9	2
22	Dielectric and transport properties of â€˜Srâ€™ modified lead free double perovskite. Materials Today: Proceedings, 2021, 35, 94-96.	0.9	1
23	Dielectric behaviour of EVA/EPDM/HNT ternary nanocomposites. Materials Today: Proceedings, 2021, 41, 211-215.	0.9	2
24	Optical, dielectric and magnetic investigation of vanadium based double perovskite. Materials Science in Semiconductor Processing, 2021, 123, 105503.	1.9	27
25	Pyroelectric and thermistor properties of gadolinium modified complex tungsten bronze ferroelectric ceramic. Ferroelectrics, 2021, 571, 146-161.	0.3	0
26	Structural, mechanical and electric properties of La doped BNT-BFO perovskite ceramics. Ferroelectrics, 2021, 571, 162-174.	0.3	22
27	Structural, thermal and dielectric behavior of two-dimensional layered Ti3C2Tx(MXene) filled ethyleneâ€“vinyl acetate (EVA) nanocomposites. Journal of Materials Science: Materials in Electronics, 2021, 32, 8081-8091.	1.1	10
28	Dielectric and optical spectroscopy of new polycrystalline ceramic for device applications. Journal of Materials Science: Materials in Electronics, 2021, 32, 13568-13580.	1.1	1
29	Exfoliated graphite nanoplatelet (xGnP) filled EVA/EOC blends nanocomposites for efficient microwave absorption in the S-band (2â€“4ÂGHz). Composites Science and Technology, 2021, 207, 108716.	3.8	21
30	Dielectric, electrical and magnetic characteristics of BST modified BLFO lead free ceramic. Journal of Alloys and Compounds, 2021, 863, 158060.	2.8	8
31	Dielectric, magnetic and optical study of La- doped BFO-BST ceramic for multifunctional applications. Materials Science in Semiconductor Processing, 2021, 128, 105720.	1.9	12
32	Room temperature d0 ferromagnetism, zero dielectric loss and ac-conductivity enhancement in p-type Ag-doped SnO2 compounds. Journal of Alloys and Compounds, 2021, 870, 159515.	2.8	35
33	Dielectric and magnetic behavior of Sr-modified vanadium based double perovskite. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2021, 271, 115234.	1.7	15
34	Investigation of multifunctional characteristics in SmFeO3-BaTiO3 perovskite system for devices. Materials Science in Semiconductor Processing, 2021, 135, 106071.	1.9	2
35	Dielectric and impedance spectroscopy of (CoNiO3)0.5â€“(BaTiO3)0.5 solid solution for device applications. Journal of Materials Science: Materials in Electronics, 2021, 32, 27698-27709.	1.1	3
36	Investigation of multifunctional features in new double perovskite PbSrBiNbO6 for possible devices. Inorganic Chemistry Communication, 2021, 134, 109074.	1.8	9

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37	Transport and semiconducting behavior of Ca2BiNbO6new inorganic double perovskite. Applied Physics A: Materials Science and Processing, 2021, 127, 1.	1.1	12
38	Optical and transport properties of double perovskite strontium bismuth vanadate. Journal of Molecular Structure, 2020, 1205, 127607.	1.8	12
39	Dielectric and thermal behavior of 0.75BiFeO3-0.25BaTiO3 filled ethylene vinyl acetate composites. Materials Chemistry and Physics, 2020, 243, 122527.	2.0	10
40	Multifunctional character of revived La-modified lithium titanate electrolyte: solar cell devices at a glance. Journal of Materials Science: Materials in Electronics, 2020, 31, 21591-21601.	1.1	5
41	Revived tungsten bronze ceramic for thermistor and RAM devices. Phase Transitions, 2020, 93, 1157-1170.	0.6	1
42	Effect of substitution of alkaline earth metal ion on the structural and dielectric properties of double perovskite. Phase Transitions, 2020, 93, 509-527.	0.6	5
43	Multifunctional behavior of Ca-doped niobium-based double perovskite for photovoltaic/solar cell devices. Journal of Materials Science: Materials in Electronics, 2020, 31, 6097-6108.	1.1	15
44	Multifunctional character of revived double perovskite for device applications. Materials Chemistry and Physics, 2020, 247, 122690.	2.0	2
45	Structural, dielectric and magnetic behavior of BST modified rare earth ortho-ferrite LaFeO3. Ceramics International, 2020, 46, 16502-16509.	2.3	16
46	Ferroelectric and optical behavior of Pb_{0.5}Ba_{1.5}BiNbO₆ double perovskite. Ferroelectrics, 2019, 540, 18-28.	0.3	1
47	Dielectric and impedance spectroscopy of rare earth-based tungsten bronze ceramic. Phase Transitions, 2019, 92, 974-989.	0.6	1
48	Dielectric and ferroelectric investigations of barium doped double perovskite Pb2BiVO6 for electronic and optical devices. Materials Chemistry and Physics, 2019, 231, 372-381.	2.0	13
49	Structural and optical properties of a revived Pb0.5Ba1.5BiVO6 perovskite oxide. Journal of Advanced Dielectrics, 2019, 09, 1950004.	1.5	8
50	Ferroelectric and optical modulations of double perovskite Ba2BiVO6. Journal of Molecular Structure, 2019, 1189, 288-298.	1.8	20
51	Multiferroic and optical spectroscopic behavior of BST in BFO environment. Journal of Materials Science: Materials in Electronics, 2019, 30, 9211-9218.	1.1	18
52	Structural and conduction behaviour of (BaSr)0.5TiO3 modified in BFO perovskite. Materials Chemistry and Physics, 2019, 225, 91-98.	2.0	37
53	Spontaneous, high temperature and spectroscopic characterization of K0.5Bi0.5TiO3-NaVO3 ceramic. Journal of Alloys and Compounds, 2018, 743, 428-436.	2.8	1
54	Ferroelectric and optical properties of â€˜Ba-dopedâ€™ new double perovskites. Phase Transitions, 2018, 91, 638-648.	0.6	5

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55	Optical and transport properties of new double perovskite oxide. Journal of Materials Science: Materials in Electronics, 2018, 29, 6215-6224.	1.1	24
56	Dielectric relaxation behavior of exfoliated graphite nanoplatelets filled ethylene vinyl acetate copolymer and ethylene propylene diene terpolymer blend. Journal of Materials Science: Materials in Electronics, 2018, 29, 1955-1963.	1.1	5
57	Dielectric and electrical properties of lanthanum modified electroceramics. Ferroelectrics, 2017, 507, 109-120.	0.3	2
58	Impedance and modulus analysis of double perovskite Pb2BiVO6. Journal of Materials Science: Materials in Electronics, 2017, 28, 16689-16695.	1.1	29
59	Dielectric relaxation and impedance analysis of ferroelectric double perovskite Pb2BiNbO6. Journal of Materials Science: Materials in Electronics, 2017, 28, 1824-1831.	1.1	35
60	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.	2.8	41
61	Multiferroic and conduction characteristics of (Bi0.5Ba0.5) (Fe0.5Ti0.5) O3 solid solution. Journal of Materials Science: Materials in Electronics, 2016, 27, 9015-9021.	1.1	28
62	Structural and dielectric properties of Na2Pb2Nd2W2Ti4V4O30 ferroelectric ceramics. Indian Journal of Physics, 2016, 90, 155-162.	0.9	7
63	Ferroelectric phase transition and conduction mechanism of Li2Pb2La2W2Ti4Ta4O30. Journal of Materials Science: Materials in Electronics, 2016, 27, 342-350.	1.1	4
64	Dielectric and Electrical Properties of the Double Perovskite PbBaBiNbO6. Journal of Electronic Materials, 2015, 44, 4275-4282.	1.0	27
65	Structural, dielectric and electrical properties of the Ba2BiNbO6 double perovskite. Journal of Materials Science: Materials in Electronics, 2015, 26, 3797-3804.	1.1	34
66	Synthesis and characterization of (Bi0.5Ba0.5) (Fe0.5Ti0.5) O3 ceramic. Materials Research Bulletin, 2015, 61, 544-550.	2.7	14
67	Structural, Dielectric, and Electrical Properties of BiFeWO6 Ceramic. Journal of Electronic Materials, 2014, 43, 732-739.	1.0	17
68	Pyroelectric and dielectric properties of lead-free ferroelectric Ba3Nb2O8 ceramic. Journal of Alloys and Compounds, 2014, 592, 6-11.	2.8	7
69	Structural and electrical characterization of BiFeO3â€“NaTaO3 multiferroic. Applied Physics A: Materials Science and Processing, 2014, 116, 1833-1840.	1.1	9
70	Structural, dielectric and electrical properties of a new tungsten bronze ferroelectric ceramics. Journal of Materials Science: Materials in Electronics, 2014, 25, 2618-2626.	1.1	7
71	Impedance analysis of K2Pb2X2W2Ti4Nb4O30 (X = Nd, Y) tungsten bronze ceramics. Journal of the Korean Physical Society, 2014, 64, 1022-1030.	0.3	4
72	Dielectric and electrical properties of gadolinium-modified lead-zirconate-titanate system. Journal of Alloys and Compounds, 2014, 604, 73-82.	2.8	28

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73	Synthesis and characterization of a new ferroelectric oxide Li2Pb2Pr2W2Ti4Ta4O30. Journal of Alloys and Compounds, 2014, 585, 234-239.	2.8	32
74	Dielectric and impedance spectroscopy of BiFeO3â€“NaTaO3 multiferroics. Ceramics International, 2014, 40, 9017-9025.	2.3	43
75	Structural And Electrical Properties Of Li2Pb2Sm2W2Ti4Ta4O30 CeramicsÂ. Advanced Materials Letters, 2014, 5, 143-147.	0.3	4
76	Pyroelectric Properties of K₂Pb₂Dy₂W₂Ti₄Nb₄O₃₀ Tungsten Bronze Ceramic. Advanced Science Letters, 2014, 20, 737-740.	0.2	0
77	Structural and Electrical Properties of Rare Earth Modified Tungsten Bronze Niobates. Advanced Science Letters, 2014, 20, 689-692.	0.2	0
78	Effect of Gd-substitution on dielectric and transport properties of lead zirconate titanate ceramics. Journal of Materials Science: Materials in Electronics, 2013, 24, 3275-3283.	1.1	15
79	Dielectric and impedance characteristics of Ba(Bi0.5Nb0.5)O3 ceramics. Journal of Materials Science: Materials in Electronics, 2013, 24, 2043-2051.	1.1	24
80	Dielectric and impedance spectroscopy of barium orthovanadate ceramics. Journal of Materials Science: Materials in Electronics, 2013, 24, 1608-1616.	1.1	25
81	Synthesis and characterization of Na2Pb2Pr2W2Ti4Ta4O30. Journal of Materials Science: Materials in Electronics, 2013, 24, 1132-1140.	1.1	18
82	Impedance spectroscopy of Gd-doped BiFeO3 multiferroics. Applied Physics A: Materials Science and Processing, 2013, 112, 387-395.	1.1	159
83	Electrical properties of Na2Pb2R2W2Ti4V4O30 (R = Dy, Pr) ceramics. Journal of Advanced Ceramics, 2013, 2, 112-118.	8.9	27
84	Dielectric and Pyroelectric Properties of La- and Pr-Modified Tungsten-Bronze Ferroelectrics. Journal of Electronic Materials, 2013, 42, 2587-2594.	1.0	4
85	Dielectric and Impedance Spectroscopy of Barium Orthoniobate Ceramic. Journal of Electronic Materials, 2013, 42, 1225-1234.	1.0	12
86	Electrical and Pyroelectric Properties of K2Pb2Gd2W2Ti4Nb4O30 Ferroelectrics. Journal of Electronic Materials, 2013, 42, 426-437.	1.0	12
87	Double phase transitions in K2Pb2Sm2W2Ti4Nb4O30 ferroelectrics. Journal of Materials Science: Materials in Electronics, 2013, 24, 4522-4529.	1.1	0
88	Structural, dielectric and electrical properties of Li2Pb2La2W2Ti4Nb4O30 ceramic. Bulletin of Materials Science, 2013, 36, 883-892.	0.8	13
89	Impedance analysis in Li2Pb2R2W2Ti4Nb4O30 (RÂ=ÂY, Eu) ceramics. Journal of Materials Science: Materials in Electronics, 2013, 24, 4798-4806.	1.1	1
90	Ferroelectric, pyroelectric and electrical properties of new tungstenâ€“bronze tantalate. Current Applied Physics, 2013, 13, 1880-1888.	1.1	8

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91	Electrical and pyroelectric properties of lanthanum based niobate. Journal of Physics and Chemistry of Solids, 2013, 74, 377-385.	1.9	29
92	Ferroelectric and pyroelectric properties of rare earth based tungstenâ€“bronze compounds. Journal of Materials Science: Materials in Electronics, 2013, 24, 305-316.	1.1	18
93	Dielectric and pyroelectric properties of niobium based complex tungsten bronze ferroelectrics. Journal of Materials Science: Materials in Electronics, 2013, 24, 799-806.	1.1	16
94	Dielectric and electrical properties of a tungsten bronze tantalate ceramic. Current Applied Physics, 2013, 13, 1014-1020.	1.1	10
95	Phase transition in tungstenâ€“bronze Li2Pb2Nd2W2Ti4Nb4O30ferroelectric. Phase Transitions, 2013, 86, 778-795.	0.6	3
96	Diffuse ferroelectric phase transition in Li₂Pb₂Dy₂W₂Ti₄V₄O₃₀ Phase Transitions, 2013, 86, 1267-1272.	0.6	1
97	Structural and dielectric properties of a complex tungsten bronze ferroelectric. , 2012, , .		1
98	SYNTHESIS AND CHARACTERIZATION OF COMPLEX FERROELECTRIC OXIDE. Journal of Advanced Dielectrics, 2012, 02, 1250024.	1.5	1
99	Structural, Dielectric and Pyroelectric Properties of Praseodymium Based Complex Tungsten Bronze Ferroelectrics. Ferroelectrics, 2012, 437, 160-170.	0.3	2
100	Structural, dielectric and electrical properties of dysprosium based new complex electroceramics. Journal of Materials Science: Materials in Electronics, 2012, 23, 1688-1697.	1.1	29
101	Phase transition and conduction mechanism of rare earth based tungsten-bronze compounds. Journal of Alloys and Compounds, 2012, 540, 267-274.	2.8	85
102	A new ferroelectric oxide Li2Pb2Pr2W2Ti4Nb4O30: Synthesis and characterization. Journal of Physics and Chemistry of Solids, 2012, 73, 713-719.	1.9	71
103	Synthesis and chracterization of a Tungsten Bronze Ferroeletcric Oxide. Advanced Materials Letters, 2012, 3, 231-238.	0.3	21
104	Impedance and Modulus Analysis of Na[sub 2]Pb[sub 2]Pr[sub 2]W[sub 2]Ti[sub 4]V[sub 4]O[sub 30]. AIP Conference Proceedings, 2011, , .	0.3	1