

# Bichitrananda Parida

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5985300/publications.pdf>

Version: 2024-02-01

104  
papers

1,476  
citations

331538

21  
h-index

395590

33  
g-index

108  
all docs

108  
docs citations

108  
times ranked

646  
citing authors

#	ARTICLE	IF	CITATIONS
1	Impedance spectroscopy of Gd-doped BiFeO <sub>3</sub> multiferroics. Applied Physics A: Materials Science and Processing, 2013, 112, 387-395.	1.1	159
2	Phase transition and conduction mechanism of rare earth based tungsten-bronze compounds. Journal of Alloys and Compounds, 2012, 540, 267-274.	2.8	85
3	A new ferroelectric oxide Li <sub>2</sub> Pb <sub>2</sub> Pr <sub>2</sub> W <sub>2</sub> Ti <sub>4</sub> Nb <sub>4</sub> O <sub>30</sub> : Synthesis and characterization. Journal of Physics and Chemistry of Solids, 2012, 73, 713-719.	1.9	71
4	Dielectric and impedance spectroscopy of BiFeO <sub>3</sub> -NaTaO <sub>3</sub> multiferroics. Ceramics International, 2014, 40, 9017-9025.	2.3	43
5	Multi-ferroic and optical spectroscopy properties of (Bi <sub>0.5</sub> Sr <sub>0.5</sub> ) (Fe <sub>0.5</sub> Ti <sub>0.5</sub> ) O <sub>3</sub> solid solution. Journal of Alloys and Compounds, 2017, 696, 338-344.	2.8	41
6	Structural and conduction behaviour of (BaSr) <sub>0.5</sub> TiO <sub>3</sub> modified in BFO perovskite. Materials Chemistry and Physics, 2019, 225, 91-98.	2.0	37
7	Dielectric relaxation and impedance analysis of ferroelectric double perovskite Pb <sub>2</sub> BiNbO <sub>6</sub> . Journal of Materials Science: Materials in Electronics, 2017, 28, 1824-1831.	1.1	35
8	Room temperature d <sub>0</sub> ferromagnetism, zero dielectric loss and ac-conductivity enhancement in p-type Ag-doped SnO <sub>2</sub> compounds. Journal of Alloys and Compounds, 2021, 870, 159515.	2.8	35
9	Structural, dielectric and electrical properties of the Ba <sub>2</sub> BiNbO <sub>6</sub> double perovskite. Journal of Materials Science: Materials in Electronics, 2015, 26, 3797-3804.	1.1	34
10	Synthesis and characterization of a new ferroelectric oxide Li <sub>2</sub> Pb <sub>2</sub> Pr <sub>2</sub> W <sub>2</sub> Ti <sub>4</sub> Ta <sub>4</sub> O <sub>30</sub> . Journal of Alloys and Compounds, 2014, 585, 234-239.	2.8	32
11	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
12	Electrical and pyroelectric properties of lanthanum based niobate. Journal of Physics and Chemistry of Solids, 2013, 74, 377-385.	1.9	29
13	Impedance and modulus analysis of double perovskite Pb <sub>2</sub> BiVO <sub>6</sub> . Journal of Materials Science: Materials in Electronics, 2017, 28, 16689-16695.	1.1	29
14	Dielectric and electrical properties of gadolinium-modified lead-zirconate-titanate system. Journal of Alloys and Compounds, 2014, 604, 73-82.	2.8	28
15	Multiferroic and conduction characteristics of (Bi <sub>0.5</sub> Ba <sub>0.5</sub> ) (Fe <sub>0.5</sub> Ti <sub>0.5</sub> ) O <sub>3</sub> solid solution. Journal of Materials Science: Materials in Electronics, 2016, 27, 9015-9021.	1.1	28
16	Electrical properties of Na <sub>2</sub> Pb <sub>2</sub> R <sub>2</sub> W <sub>2</sub> Ti <sub>4</sub> V <sub>4</sub> O <sub>30</sub> (R = Dy, Pr) ceramics. Journal of Advanced Ceramics, 2013, 2, 112-118.	8.9	27
17	Dielectric and Electrical Properties of the Double Perovskite PbBaBiNbO <sub>6</sub> . Journal of Electronic Materials, 2015, 44, 4275-4282.	1.0	27
18	Optical, dielectric and magnetic investigation of vanadium based double perovskite. Materials Science in Semiconductor Processing, 2021, 123, 105503.	1.9	27

#	ARTICLE	IF	CITATIONS
19	Dielectric and impedance spectroscopy of barium orthovanadate ceramics. Journal of Materials Science: Materials in Electronics, 2013, 24, 1608-1616.	1.1	25
20	Dielectric and impedance characteristics of Ba(Bi <sub>0.5</sub> Nb <sub>0.5</sub> )O <sub>3</sub> ceramics. Journal of Materials Science: Materials in Electronics, 2013, 24, 2043-2051.	1.1	24
21	Optical and transport properties of new double perovskite oxide. Journal of Materials Science: Materials in Electronics, 2018, 29, 6215-6224.	1.1	24
22	Structural, mechanical and electric properties of La doped BNT-BFO perovskite ceramics. Ferroelectrics, 2021, 571, 162-174.	0.3	22
23	Exfoliated graphite nanoplatelet (xGnP) filled EVA/EOC blends nanocomposites for efficient microwave absorption in the S-band (2-4 GHz). Composites Science and Technology, 2021, 207, 108716.	3.8	21
24	Synthesis and characterization of a Tungsten Bronze Ferroelectric Oxide. Advanced Materials Letters, 2012, 3, 231-238.	0.3	21
25	Ferroelectric and optical modulations of double perovskite Ba <sub>2</sub> BiVO <sub>6</sub> . Journal of Molecular Structure, 2019, 1189, 288-298.	1.8	20
26	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
27	Synthesis and characterization of Na <sub>2</sub> Pb <sub>2</sub> Pr <sub>2</sub> W <sub>2</sub> Ti <sub>4</sub> Ta <sub>4</sub> O <sub>30</sub> . Journal of Materials Science: Materials in Electronics, 2013, 24, 1132-1140.	1.1	18
28	Ferroelectric and pyroelectric properties of rare earth based tungsten bronze compounds. Journal of Materials Science: Materials in Electronics, 2013, 24, 305-316.	1.1	18
29	Multiferroic and optical spectroscopic behavior of BST in BFO environment. Journal of Materials Science: Materials in Electronics, 2019, 30, 9211-9218.	1.1	18
30	Structural, Dielectric, and Electrical Properties of BiFeWO <sub>6</sub> Ceramic. Journal of Electronic Materials, 2014, 43, 732-739.	1.0	17
31	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
32	Structural, dielectric and magnetic behavior of BST modified rare earth ortho-ferrite LaFeO <sub>3</sub> . Ceramics International, 2020, 46, 16502-16509.	2.3	16
33	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
34	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
35	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
36	Multifunctional feature of double perovskite strontium iron vanadate for storage device. Materials Chemistry and Physics, 2022, 275, 125254.	2.0	15

#	ARTICLE	IF	CITATIONS
37	Synthesis and characterization of (Bi <sub>0.5</sub> Ba <sub>0.5</sub> ) (Fe <sub>0.5</sub> Ti <sub>0.5</sub> ) O <sub>3</sub> ceramic. Materials Research Bulletin, 2015, 61, 544-550.	2.7	14
38	Structural, dielectric and electrical properties of Li <sub>2</sub> Pb <sub>2</sub> La <sub>2</sub> W <sub>2</sub> Ti <sub>4</sub> Nb <sub>4</sub> O <sub>30</sub> ceramic. Bulletin of Materials Science, 2013, 36, 883-892.	0.8	13
39	Dielectric and ferroelectric investigations of barium doped double perovskite Pb <sub>2</sub> BiVO <sub>6</sub> for electronic and optical devices. Materials Chemistry and Physics, 2019, 231, 372-381.	2.0	13
40	Dielectric and Impedance Spectroscopy of Barium Orthoniobate Ceramic. Journal of Electronic Materials, 2013, 42, 1225-1234.	1.0	12
41	Electrical and Pyroelectric Properties of K <sub>2</sub> Pb <sub>2</sub> Gd <sub>2</sub> W <sub>2</sub> Ti <sub>4</sub> Nb <sub>4</sub> O <sub>30</sub> Ferroelectrics. Journal of Electronic Materials, 2013, 42, 426-437.	1.0	12
42	Optical and transport properties of double perovskite strontium bismuth vanadate. Journal of Molecular Structure, 2020, 1205, 127607.	1.8	12
43	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
44	Transport and semiconducting behavior of Ca <sub>2</sub> BiNbO <sub>6</sub> new inorganic double perovskite. Applied Physics A: Materials Science and Processing, 2021, 127, 1.	1.1	12
45	Improved optical, dielectric, impedance, and magnetic properties of (BiFeO <sub>3</sub> ) <sub>0.6</sub> (CaTiO <sub>3</sub> ) <sub>0.4</sub> for multifunctional utilities. Inorganic Chemistry Communication, 2022, 142, 109664.	1.8	12
46	Multifunctional characterization of Ca-modified new double perovskite for energy harvesting devices. Physica B: Condensed Matter, 2022, 624, 413373.	1.3	11
47	Dielectric and electrical properties of a tungsten bronze tantalate ceramic. Current Applied Physics, 2013, 13, 1014-1020.	1.1	10
48	Dielectric and thermal behavior of 0.75BiFeO <sub>3</sub> -0.25BaTiO <sub>3</sub> filled ethylene vinyl acetate composites. Materials Chemistry and Physics, 2020, 243, 122527.	2.0	10
49	Structural, thermal and dielectric behavior of two-dimensional layered Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> (MXene) filled ethylene vinyl acetate (EVA) nanocomposites. Journal of Materials Science: Materials in Electronics, 2021, 32, 8081-8091.	1.1	10
50	Structural and electrical characterization of BiFeO <sub>3</sub> NaTaO <sub>3</sub> multiferroic. Applied Physics A: Materials Science and Processing, 2014, 116, 1833-1840.	1.1	9
51	Investigation of multifunctional features in new double perovskite PbSrBiNbO <sub>6</sub> for possible devices. Inorganic Chemistry Communication, 2021, 134, 109074.	1.8	9
52	Ferroelectric, pyroelectric and electrical properties of new tungsten bronze tantalate. Current Applied Physics, 2013, 13, 1880-1888.	1.1	8
53	Structural and optical properties of a revived Pb <sub>0.5</sub> Ba <sub>1.5</sub> BiVO <sub>6</sub> perovskite oxide. Journal of Advanced Dielectrics, 2019, 09, 1950004.	1.5	8
54	Dielectric, electrical and magnetic characteristics of BST modified BLFO lead free ceramic. Journal of Alloys and Compounds, 2021, 863, 158060.	2.8	8

#	ARTICLE	IF	CITATIONS
55	Multiferroic behaviour in Bi <sup>3+</sup> doped solid solution SmFeO <sub>3</sub> -BaTiO <sub>3</sub> perovskite system. <i>Ceramics International</i> , 2022, 48, 18286-18293.	2.3	8
56	Pyroelectric and dielectric properties of lead-free ferroelectric Ba <sub>3</sub> Nb <sub>2</sub> O <sub>8</sub> ceramic. <i>Journal of Alloys and Compounds</i> , 2014, 592, 6-11.	2.8	7
57	Structural, dielectric and electrical properties of a new tungsten bronze ferroelectric ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2014, 25, 2618-2626.	1.1	7
58	Structural and dielectric properties of Na <sub>2</sub> Pb <sub>2</sub> Nd <sub>2</sub> W <sub>2</sub> Ti <sub>4</sub> V <sub>4</sub> O <sub>30</sub> ferroelectric ceramics. <i>Indian Journal of Physics</i> , 2016, 90, 155-162.	0.9	7
59	Synthesis and characterizations of Ca <sup>2+</sup> -doped Ba(FeNb) <sub>0.5</sub> O <sub>3</sub> for device application. <i>Phase Transitions</i> , 2022, 95, 163-177.	0.6	7
60	Thermal and dielectric properties of two-dimensional layered MXene (Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> ) filled linear low-density polyethylene composites. <i>Journal of Applied Polymer Science</i> , 2022, 139, 51743.	1.3	6
61	Ferroelectric and electrical Investigation of new multifunctional material Sr <sub>2</sub> BiNbO <sub>6</sub> for possible device application. <i>Inorganic Chemistry Communication</i> , 2022, 139, 109338.	1.8	6
62	Ferroelectric and optical properties of Ba-doped new double perovskites. <i>Phase Transitions</i> , 2018, 91, 638-648.	0.6	5
63	Dielectric relaxation behavior of exfoliated graphite nanoplatelets filled ethylene vinyl acetate copolymer and ethylene propylene diene terpolymer blend. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 1955-1963.	1.1	5
64	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.	1.1	5
65	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.	0.6	5
66	Multiferroic, Structural, Optical and Conduction Characteristics of PFN-BST. <i>Journal of Electronic Materials</i> , 2022, 51, 1385-1400.	1.0	5
67	Dielectric and electrical investigation of CaTiO <sub>3</sub> modified BFO perovskites for possible device applications. <i>Materials Today: Proceedings</i> , 2022, 57, 1-4.	0.9	5
68	Dielectric and Pyroelectric Properties of La- and Pr-Modified Tungsten-Bronze Ferroelectrics. <i>Journal of Electronic Materials</i> , 2013, 42, 2587-2594.	1.0	4
69	Impedance analysis of K <sub>2</sub> Pb <sub>2</sub> X <sub>2</sub> W <sub>2</sub> Ti <sub>4</sub> Nb <sub>4</sub> O <sub>30</sub> (X = Nd, Y) tungsten bronze ceramics. <i>Journal of the Korean Physical Society</i> , 2014, 64, 1022-1030.	0.3	4
70	Ferroelectric phase transition and conduction mechanism of Li <sub>2</sub> Pb <sub>2</sub> La <sub>2</sub> W <sub>2</sub> Ti <sub>4</sub> Ta <sub>4</sub> O <sub>30</sub> . <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 342-350.	1.1	4
71	Structural And Electrical Properties Of Li <sub>2</sub> Pb <sub>2</sub> Sm <sub>2</sub> W <sub>2</sub> Ti <sub>4</sub> Ta <sub>4</sub> O <sub>30</sub> Ceramics. <i>Advanced Materials Letters</i> , 2014, 5, 143-147.	0.3	4
72	Phase transition in tungsten-bronze Li <sub>2</sub> Pb <sub>2</sub> Nd <sub>2</sub> W <sub>2</sub> Ti <sub>4</sub> Nb <sub>4</sub> O <sub>30</sub> ferroelectric. <i>Phase Transitions</i> , 2013, 86, 778-795.	0.6	3

#	ARTICLE	IF	CITATIONS
73	Dielectric and impedance spectroscopy of $(\text{CoNiO}_3)_{0.5}\text{-(BaTiO}_3)_{0.5}$ solid solution for device applications. Journal of Materials Science: Materials in Electronics, 2021, 32, 27698-27709.	1.1	3
74	Structural, Dielectric and Pyroelectric Properties of Praseodymium Based Complex Tungsten Bronze Ferroelectrics. Ferroelectrics, 2012, 437, 160-170.	0.3	2
75	Dielectric and electrical properties of lanthanum modified electroceramics. Ferroelectrics, 2017, 507, 109-120.	0.3	2
76	Multifunctional character of revived double perovskite for device applications. Materials Chemistry and Physics, 2020, 247, 122690.	2.0	2
77	Relaxation dynamics, conductivity and electrical study of a lead free perovskite. Materials Today: Proceedings, 2021, 35, 91-93.	0.9	2
78	Dielectric behaviour of EVA/EPDM/HNT ternary nanocomposites. Materials Today: Proceedings, 2021, 41, 211-215.	0.9	2
79	Investigation of multifunctional characteristics in $\text{SmFeO}_3\text{-BaTiO}_3$ perovskite system for devices. Materials Science in Semiconductor Processing, 2021, 135, 106071.	1.9	2
80	Structural and electrical investigation of $\text{Bi}^{\text{TM}}$ doped $\text{SmFeO}_3\text{-BaTiO}_3$ perovskite system. Materials Today: Proceedings, 2022, 49, 2365-2368.	0.9	2
81	Thermal and dielectric behavior of $\text{Ti}_3\text{C}_2\text{T}_x$ (MXene) incorporated ethylene vinyl acetate copolymer/linear low-density polyethylene nanocomposites. Journal of Materials Science: Materials in Electronics, 2022, 33, 4278.	1.1	2
82	Dielectric and electrical properties of Ca-modified BFN perovskite. Materials Today: Proceedings, 2022, , .	0.9	2
83	Synthesis and characterization of lead-free double perovskite $\text{Mg}_2\text{LaVO}_6$ . Journal of Materials Science: Materials in Electronics, 2022, 33, 7691-7700.	1.1	2
84	Structural, electrical, magnetic and narrow band gap-correlated optical characteristics of multiferroic $[\text{Pb}(\text{Fe}_{0.5}\text{Nb}_{0.5})\text{O}_3]_{0.5}\text{-(Ba}_{0.8}\text{Sr}_{0.2})\text{TiO}_3]_{0.5}$ . Journal of the Korean Ceramic Society, 2022, 59, 811-834.	1.1	2
85	Impedance and Modulus Analysis of $\text{Na}_{2}\text{Pb}_2\text{Pr}_2\text{W}_2\text{Ti}_4\text{V}_4\text{O}_{30}$ . AIP Conference Proceedings, 2011, , .	0.3	1
86	Structural and dielectric properties of a complex tungsten bronze ferroelectric. , 2012, , .		1
87	SYNTHESIS AND CHARACTERIZATION OF COMPLEX FERROELECTRIC OXIDE. Journal of Advanced Dielectrics, 2012, 02, 1250024.	1.5	1
88	Impedance analysis in $\text{Li}_2\text{Pb}_2\text{R}_2\text{W}_2\text{Ti}_4\text{Nb}_4\text{O}_{30}$ ( $\text{R}=\text{Y, Eu}$ ) ceramics. Journal of Materials Science: Materials in Electronics, 2013, 24, 4798-4806.	1.1	1
89	Diffuse ferroelectric phase transition in $\text{Li}_{2-x}\text{Pb}_{2-x}\text{Dy}_{2-x}\text{W}_2\text{Ti}_4\text{V}_4\text{O}_{30}$ . Phase Transitions, 2013, 86, 1267-1272.		1
90	Spontaneous, high temperature and spectroscopic characterization of $\text{K}_{0.5}\text{Bi}_{0.5}\text{TiO}_3\text{-NaVO}_3$ ceramic. Journal of Alloys and Compounds, 2018, 743, 428-436.	2.8	1

#	ARTICLE	IF	CITATIONS
91	Ferroelectric and optical behavior of $\text{Pb}_{0.5}\text{Ba}_{1.5}\text{BiNbO}_6$ double perovskite. <i>Ferroelectrics</i> , 2019, 540, 18-28.	0.3	1
92	Dielectric and impedance spectroscopy of rare earth-based tungsten bronze ceramic. <i>Phase Transitions</i> , 2019, 92, 974-989.	0.6	1
93	Revived tungsten bronze ceramic for thermistor and RAM devices. <i>Phase Transitions</i> , 2020, 93, 1157-1170.	0.6	1
94	Dielectric and transport properties of $\text{Sr}^{\text{TM}}$ modified lead free double perovskite. <i>Materials Today: Proceedings</i> , 2021, 35, 94-96.	0.9	1
95	Dielectric and optical spectroscopy of new polycrystalline ceramic for device applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 13568-13580.	1.1	1
96	Synthesis and characterization of Ba-doped vanadium-based double perovskite for multifunctional applications. <i>Materials Today: Proceedings</i> , 2022, , .	0.9	1
97	Structural, dielectric and electrical behavior of Gd-doped $\text{LaFeO}_3$ for possible devices. <i>Materials Today: Proceedings</i> , 2022, 57, 164-167.	0.9	1
98	Multifunctional characterization of multiferroic $[\text{Pb}(\text{Fe}_{0.5}\text{Nb}_{0.5})\text{O}_3]_{0.5} - [(\text{Ca}_{0.2}\text{Sr}_{0.8})\text{TiO}_3]_{0.5}$ for storage and photocatalytic applications. <i>Ceramics International</i> , 2022, , .	2.3	1
99	Structural, optical and magnetic characteristics of multiferroic $[\text{Pb}(\text{Fe}_{0.5}\text{Nb}_{0.5})\text{O}_3]_{0.4} - [(\text{Ca}_{0.2}\text{Sr}_{0.8})\text{TiO}_3]_{0.6}$ . <i>Applied Physics A: Materials Science and Processing</i> , 2022, 128, .	1.1	1
100	Double phase transitions in $\text{K}_2\text{Pb}_2\text{Sm}_2\text{W}_2\text{Ti}_4\text{Nb}_4\text{O}_{30}$ ferroelectrics. <i>Journal of Materials Science: Materials in Electronics</i> , 2013, 24, 4522-4529.	1.1	0
101	Pyroelectric and thermistor properties of gadolinium modified complex tungsten bronze ferroelectric ceramic. <i>Ferroelectrics</i> , 2021, 571, 146-161.	0.3	0
102	Pyroelectric Properties of $\text{K}_2\text{Pb}_2\text{Dy}_2\text{W}_2\text{Ti}_4\text{Nb}_4\text{O}_{30}$ Tungsten Bronze Ceramic. <i>Advanced Science Letters</i> , 2014, 20, 737-740.	0.2	0
103	Structural and Electrical Properties of Rare Earth Modified Tungsten Bronze Niobates. <i>Advanced Science Letters</i> , 2014, 20, 689-692.	0.2	0
104	Dielectric and optical modulation in Ca-doped BFN perovskite for possible device applications. <i>Materials Today: Proceedings</i> , 2022, , .	0.9	0