

Priyanka A Jha

List of Publications by Year in descending order

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47
all docs

47
docs citations

47
times ranked

517
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrical characterization of zirconium substituted barium titanate using complex impedance spectroscopy. Bulletin of Materials Science, 2013, 36, 135-141.	1.7	54
2	Effect of sintering temperature on the grain growth and electrical properties of barium zirconate titanate ferroelectric ceramics. Journal of Materials Science: Materials in Electronics, 2013, 24, 1511-1518.	2.2	27
3	Dielectric behavior of $(1-x)$ Ba Zr _{0.025} Ti _{0.975} O ₃ -(x) BiFeO ₃ solid solutions. Materials Research Bulletin, 2013, 48, 101-105.	5.2	26
4	Band-Gap Engineering in ZnO Thin Films: A Combined Experimental and Theoretical Study. Physical Review Applied, 2018, 9, .	3.8	25
5	Large polaron hopping phenomenon in lanthanum doped strontium titanate. Journal of Alloys and Compounds, 2017, 704, 707-716.	5.5	23
6	Effects of yttrium substitution on structural and electrical properties of barium zirconate titanate ferroelectric ceramics. Current Applied Physics, 2013, 13, 1413-1419.	2.4	19
7	Phase transformation and two-mode phonon behavior of $(1-x)$ [Ba Zr _{0.025} Ti _{0.975} O ₃]- x [BiFeO ₃] solid solutions. Journal of Alloys and Compounds, 2014, 600, 186-192.	5.5	18
8	Sm/Ti co-substituted bismuth ferrite multiferroics: reciprocity between tetragonality and piezoelectricity. Physical Chemistry Chemical Physics, 2017, 19, 26285-26295.	2.8	18
9	Porous and highly conducting cathode material PrBaCo ₂ O ₆ : bulk and surface studies of synthesis anomalies. Physical Chemistry Chemical Physics, 2019, 21, 14701-14712.	2.8	16
10	Synthesis, characterization and AC conductivity of alkali metal substituted telluride glasses. Solid State Ionics, 2016, 296, 54-62.	2.7	15
11	Thermo-optical correlation for room temperature synthesis: cold-sintered lead halides. Journal of Materials Science: Materials in Electronics, 2019, 30, 6071-6081.	2.2	15
12	Cs/MAPbI ₃ composite formation and its influence on optical properties. Journal of Alloys and Compounds, 2019, 783, 935-942.	5.5	15
13	Influence of sintering temperature on ion dynamics of Na _{0.5} Bi _{0.5} TiO ₃ - δ : Suitability as an electrolyte material for SOFC. International Journal of Hydrogen Energy, 2020, 45, 17006-17016.	7.1	15
14	Gradient core-shell microstructure in mixed valence multiferroic: TM (Ti, Nb, W) substituted bismuth ferrite. Journal of Alloys and Compounds, 2016, 667, 178-183.	5.5	14
15	Structural and electrical conduction behaviour of yttrium doped strontium titanate: anode material for SOFC application. Journal of Alloys and Compounds, 2018, 748, 637-644.	5.5	13
16	Analytical comparison of magnetic and electrical properties using modified Landau theory in bismuth ferrite: Effect of milling. Journal of Magnetism and Magnetic Materials, 2014, 349, 95-99.	2.3	12
17	Influence of iso-valent Sm^{TM} double substitution on the ionic conductivity of La _{0.9} Sr _{0.1} Al _{0.9} Mg _{0.1} O ₃ - δ ceramic system. Materials Chemistry and Physics, 2020, 241, 122345.	4.0	12
18	Effect of holmium substitution on structural and electrical properties of barium zirconate titanate ferroelectric ceramics. Ceramics International, 2014, 40, 5209-5216.	4.8	11

#	ARTICLE	IF	CITATIONS
19	Influence of processing conditions on the grain growth and electrical properties of barium zirconate titanate ferroelectric ceramics. <i>Journal of Alloys and Compounds</i> , 2011, 513, 580-580.	5.5	10
20	Diffuse phase ferroelectric vs. Polomska transition in (1-x) BiFeO ₃ -(x) Ba Zr _{0.025} Ti _{0.975} O ₃ (0.1 % x % 0.3) solid solutions. <i>Journal of Applied Physics</i> , 2015, 117, 024102.	2.5	10
21	Correlation between piezoelectric and magnetic properties of Fe and Sm co-substituted potassium niobate piezoelectric ceramics. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 18800-18810.	2.8	9
22	Compositional effect on oxygen reduction reaction in Pr excess double perovskite Pr _{1+x} Ba _{1-x} Co ₂ O _{6-δ} cathode materials. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 23378-23390.	7.1	9
23	Microstructural dependent oxygen reduction reaction in a Ruddlesden-Popper perovskite (SmSr)NiO _{4δ} . <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 12294-12300.	2.8	9
24	Ion dynamics of non-stoichiometric Na _{0.5+x} Bi _{0.5-x} TiO _{3-δ} : A degradation study. <i>Solid State Ionics</i> , 2020, 345, 115158.	2.7	8
25	AC conductivity and ion dynamics of alkaline earth metal substituted Telluride glasses. <i>Journal of Non-Crystalline Solids</i> , 2016, 452, 203-209.	3.1	7
26	Piezoelectric and pyroelectric properties of zirconium substituted barium titanate ferroelectric ceramics. <i>Indian Journal of Physics</i> , 2014, 88, 489-496.	1.8	6
27	A comparative study of aqueous tape and pellet of (La _{0.89} Ba _{0.01}) Sr _{0.1} Al _{0.9} Mg _{0.1} O _{3-δ} electrolyte material. <i>Physica B: Condensed Matter</i> , 2017, 521, 230-238.	2.7	6
28	Defect induced weak ferroelectricity and magnetism in cubic off-stoichiometric nano bismuth iron garnet: effect of milling duration. <i>Journal of Materials Science: Materials in Electronics</i> , 2014, 25, 664-672.	2.2	5
29	A comparative of structural, optical, mechanical and electrical properties of alkaline earth metal substituted tellurite glasses. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 7419-7428.	2.2	5
30	Hysteric photo-conduction and negative differential resistance in cesium lead bromide. <i>Journal of Applied Physics</i> , 2020, 127, 224904.	2.5	5
31	High temperature conduction mechanism of samarium ferrite substituted sodium niobate ceramics. <i>Physica B: Condensed Matter</i> , 2020, 582, 412028.	2.7	5
32	Bandgap and electrochemical engineering for disordered LaFeO ₃ . <i>Journal of Applied Physics</i> , 2022, 131, .	2.5	5
33	Enhancement of electrical properties and blue emission due to nanostructuring of BaZr _{0.05} Ti _{0.95} O ₃ ferroelectric ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2014, 25, 797-804.	2.2	4
34	Structural Electrical property correlation in defect induced nanostructured off-stoichiometric bismuth ferrite: A defect analysis. <i>Materials Chemistry and Physics</i> , 2015, 164, 15-22.	4.0	4
35	Ambient atmospheric temperature processed lead halide perovskites. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020, 139, 3073-3078.	3.6	4
36	Hysteresis in centrosymmetric CuPb ₃ perovskite halide: apolar dielectric or orientable dielectric?. <i>Journal of Physics Condensed Matter</i> , 2021, 33, 155703.	1.8	4

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37	Enhancement in pyroelectricity of polar Ba _{0.9} Sr _{0.1} TiO ₃ TeO ₂ glass-ceramics. Journal of Non-Crystalline Solids, 2020, 535, 119964.	3.1	3
38	Bandgap engineering in TiO ₂ /rGO 1D photonic metasurfaces as broadband solar absorber. Journal of Applied Physics, 2022, 131, 023106.	2.5	3
39	Influence of the crystalline phase on the electrocatalytic behaviour of Sm _{2-x} Sr _x NiO ₄ (x = 0.4 to 1.0) Ruddlesden-Popper-based systems: a comparative study of bulk and thin electrocatalysts. Physical Chemistry Chemical Physics, 2022, 24, 5330-5342.	2.8	3
40	Field-induced ferroelectricity in paraelectric phase of Barium strontium titanate. Journal of Materials Science: Materials in Electronics, 2020, 31, 5608-5616.	2.2	2
41	Compositional degradation with Br content in Cesium lead halide CsPbBr _{3-x} . Journal of Solid State Chemistry, 2022, 308, 122893.	2.9	2
42	Effect of processing conditions on the piezoelectric constant and Curie temperature of Ba _{0.7} Sr _{0.3} TiO ₃ piezoelectric ceramics. AIP Conference Proceedings, 2018, , .	0.4	1
43	Photoconduction in CuO. Materials Today: Proceedings, 2020, 28, 131-133.	1.8	1
44	Influence of Br ⁺ substitution on the physical properties of cesium lead iodides. AIP Conference Proceedings, 2020, , .	0.4	0
45	Electrical conductivity study of A-site non-stoichiometric Na _{0.5+x} Bi _{0.5-x} TiO ₃ . AIP Conference Proceedings, 2020, , .	0.4	0
46	Synthesis and characterization of cathode material Pr _{0.6} Ba _{1.4} Co ₂ O ₆ for IT-SOFC and its comparative study with PrBaCo ₂ O ₆ . AIP Conference Proceedings, 2020, , .	0.4	0
47	Photo-response in CuPbBr ₃ . Materials Today: Proceedings, 2020, 28, 182-184.	1.8	0