

ELa Sinha

List of Publications by Year in descending order

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38
papers

1,170
citations

393982

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39
times ranked

1484
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural and dielectric properties of Cu-doped ZnMoO_4 ceramic system for enhanced green light emission and potential microwave applications. Journal of Materials Science: Materials in Electronics, 2021, 32, 12881-12889.	1.1	7
2	Structural, thermal stability and electrical conductivity of zirconium substituted barium cerate ceramics. Journal of Alloys and Compounds, 2021, 860, 158471.	2.8	16
3	Structural and proton conductivity study of $\text{BaZr}_{1-x}\text{RE}_x\text{O}_3$ (RE = Dy, Sm) ceramics for intermediate temperature solid oxide fuel cell electrolyte. Journal of Solid State Electrochemistry, 2020, 24, 1463-1473.	1.2	6
4	Correlation between experimental and theoretical study of scheelite and wolframite-type tungstates. Materials Today Communications, 2020, 25, 101417.	0.9	4
5	Effect of molybdenum on structural, optical and microwave dielectric properties of copper tungstate. Journal of Materials Science: Materials in Electronics, 2019, 30, 20758-20769.	1.1	4
6	Conduction and relaxation phenomena in barium zirconate ceramic in wet N_2 environment. Journal of Alloys and Compounds, 2019, 811, 152042.	2.8	14
7	Structural, photophysical and microwave dielectric properties of ZnMoO_4 phosphor. Journal of Alloys and Compounds, 2019, 795, 446-452.	2.8	37
8	Investigation of proton conductivity in Sc and Yb co-doped barium zirconate ceramics. Materials Research Express, 2019, 6, 056305.	0.8	15
9	Structural and Optical Properties of Triclinic CuWO_4 Prepared by Solid State Reaction Technique. Macromolecular Symposia, 2019, 388, 1900019.	0.4	9
10	A comparative proton conductivity study on Yb-doped BaZrO_3 perovskite at intermediate temperatures under wet N_2 environment. Journal of Alloys and Compounds, 2019, 772, 675-682.	2.8	21
11	Optical Band Gap and Photoluminescence Studies of Samarium-Doped Barium Zirconate Perovskite Prepared by Solid State Reaction Route. Journal of Applied Spectroscopy, 2018, 84, 948-953.	0.3	21
12	Relaxor-ferroelectric BaLnZT (Ln = La, Nd, Sm, Eu, and Sc) ceramics for actuator and energy storage application. Materials Research Express, 2018, 5, 015509.	0.8	7
13	Impact of multiple phases on ferroelectric and piezoelectric performances of BNKT BZT ceramic. Journal of Materials Science: Materials in Electronics, 2018, 29, 19524-19531.	1.1	9
14	Experimental and theoretical analysis of electronic and optical properties of MgWO_4 . Journal of Materials Science, 2017, 52, 4934-4943.	1.7	28
15	Correlation between optical properties and environmental parameter of ZnWO_4 ceramic using complex chemical bond theory. Journal of Alloys and Compounds, 2017, 726, 1014-1023.	2.8	21
16	Study of structural and optical properties of CaMoO_4 ceramic synthesized by solid state reaction route. Ferroelectrics, 2017, 517, 1-7.	0.3	13
17	Effect of Neodymium on Optical Bandgap and Microwave Dielectric Properties of Barium Zirconate Ceramic. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2015, 46, 1277-1286.	1.1	14
18	Structural, optical band gap, microwave dielectric properties and dielectric resonant antenna studies of $\text{Ba}(\text{La}^{2+})_x \text{La}(\text{ZrO}_3)_{1-x}$ (0 \leq x \leq 0.1) ceramics. Journal of Alloys and Compounds, 2014, 615, 1006-1012.	2.8	11

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19	Dielectric-Resonant Antenna Studies of Dysprosium Doped Barium Zirconate Ceramic. Journal of Materials Engineering and Performance, 2013, 22, 2634-2640.	1.2	3
20	Structural, optical and microwave dielectric properties of Sr _{1-x} CaxWO ₄ ceramics prepared by the solid state reaction route. Ceramics International, 2013, 39, 9627-9635.	2.3	50
21	Structural, optical and microwave dielectric properties of Ba _{1-x} SrxWO ₄ ceramics prepared by solid state reaction route. Solid State Sciences, 2013, 20, 40-45.	1.5	40
22	Structural refinement, optical and microwave dielectric properties of BaZrO ₃ . Ceramics International, 2012, 38, 2129-2138.	2.3	104
23	Structural, dielectric and electrical properties of BaFe _{0.5} Nb _{0.5} O ₃ ceramic prepared by solid-state reaction technique. Materials Chemistry and Physics, 2011, 131, 535-539.	2.0	47
24	Anisotropic Dielectric and Electrical Properties of Hot-Forged SrBi ₄ Ti ₄ O ₁₅ Ceramics. International Journal of Applied Ceramic Technology, 2010, 7, E114.	1.1	4
25	Frequency-temperature response of CaBi ₄ Ti ₄ O ₁₅ ceramic prepared by soft chemical route: Impedance and modulus spectroscopy characterization. Current Applied Physics, 2010, 10, 917-922.	1.1	49
26	Electrical anisotropy in the hot-forged CaBi ₄ Ti ₄ O ₁₅ ceramics. Solid State Sciences, 2009, 11, 1144-1149.	1.5	27
27	Influence of fibre-surface treatment on structural, thermal and mechanical properties of jute fibre and its composite. Bulletin of Materials Science, 2009, 32, 65-76.	0.8	183
28	Effect of Cold Plasma Treatment on Macromolecular Structure, Thermal and Mechanical Behavior of Jute Fiber. Journal of Industrial Textiles, 2009, 38, 317-339.	1.1	28
29	Effect of Plasma Treatment on Structure, Wettability of Jute Fiber and Flexural Strength of its Composite. Journal of Composite Materials, 2009, 43, 1791-1802.	1.2	144
30	Phase transition in ABi ₄ Ti ₄ O ₁₅ (A=Ca,Sr,Ba) Aurivillius oxides prepared through a soft chemical route. Journal of Applied Physics, 2009, 105, .	1.1	45
31	Influence of fibre-surface treatment on structural, thermal and mechanical properties of jute. Journal of Materials Science, 2008, 43, 2590-2601.	1.7	76
32	Dielectric and phase transition of BaTi _{0.6} Zr _{0.4} O ₃ ceramics prepared by a soft chemical route. Applied Physics A: Materials Science and Processing, 2008, 91, 101-106.	1.1	21
33	Study of the structural and thermal properties of plasma treated jute fibre. Applied Physics A: Materials Science and Processing, 2008, 92, 283-290.	1.1	11
34	Effect of neutron irradiation on the structural, mechanical, and thermal properties of jute fiber. Journal of Applied Polymer Science, 2008, 110, 413-423.	1.3	4
35	Diffuse phase transition of BaTi _{0.6} Zr _{0.4} O ₃ relaxor ferroelectric ceramics. Phase Transitions, 2008, 81, 129-137.	0.6	4
36	Ferroelectric phase transition of Ba _{1-x} Sr _x Ti _{0.6} Zr _{0.4} O ₃ ceramics. Phase Transitions, 2008, 81, 897-906.	0.6	3

#	ARTICLE	IF	CITATIONS
37	Dielectric properties and diffuse phase transition in $Ba_{1-x}Mg_xTi_{0.6}Zr_{0.4}O_3$ solid solutions. <i>Materials Chemistry and Physics</i> , 2007, 101, 428-432.	2.0	47
38	Phase formation and dielectric phase transition in $Ba_{1-x}Ca_xTi_{0.6}Zr_{0.4}O_3$ solid solutions. <i>Journal of Physics and Chemistry of Solids</i> , 2006, 67, 2257-2262.	1.9	23