Shahid Anwar

List of Publications by Year in descending order

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58 papers	1,176 citations	361413 20 h-index	414414 32 g-index
61 all docs	61 docs citations	61 times ranked	1463 citing authors

#	Article	IF	Citations
1	Effect of sintering temperature on the transport properties of La2Ce2O7 ceramic materials. Ceramics International, 2022, 48, 6758-6766.	4.8	7
2	Synthesis conditions induced disorder and its role in affecting structural, dielectric, piezoelectric, optical behavior and enhancing energy storage efficiency in (Ba1-xCax)TiO3 ceramics. Ceramics International, 2022, 48, 19324-19335.	4.8	21
3	Role of sputter powers and deposition temperatures towards the growth of ncâ€W₂N/aâ€Si₃N₄ nanocomposite coating. International Journal of Applied Ceramic Technology, 2021, 18, 419-431.	2.1	2
4	Origin of ferroelectricity in cubic phase of Hf substituted BaTiO₃. Journal of Physics Condensed Matter, 2021, 33, 165403.	1.8	15
5	Magnetoelectric coupling of manganese ferriteâ€“potassium niobate lead-free composite ceramics synthesized by solid state reaction method. Journal of Materials Science: Materials in Electronics, 2019, 30, 3411-3417.	2.2	8
6	Direct correlation between the band gap and dielectric loss in Hf doped BaTiO3. Journal of Materials Science: Materials in Electronics, 2019, 30, 8064-8070.	2.2	25
7	Electrophoretic deposition studies of Ba(Zrâ€Ceâ€Y)O₃ ceramic coating. International Journal of Applied Ceramic Technology, 2019, 16, 1022-1031.	2.1	13
8	Multilayer composite ceramic-metal thin film: Structural and mechanical properties. Surfaces and Interfaces, 2018, 10, 110-116.	3.0	20
9	Structural and mechanical studies of W2N embedded Si3N4 nanocomposite hard coating prepared by reactive magnetron sputtering. Surface and Coatings Technology, 2017, 311, 268-273.	4.8	15
10	Mechanical studies of thermally annealed nc-W2N embedded a-Si3N4 nanocomposite films. Thin Solid Films, 2017, 636, 93-98.	1.8	10
11	Thermal stability studies of tungsten nitride thin films. Surface Engineering, 2017, 33, 276-281.	2.2	15
12	Structural and mechanical evolution of TiAlSiN nanocomposite coating under influence of Si3N4 power. Surface and Coatings Technology, 2016, 307, 676-682.	4.8	30
13	Structural and mechanical study of thermally annealed tungsten nitride thin films. Perspectives in Science, 2016, 8, 636-638.	0.6	13
14	Optimized substrate temperature range for improved physical properties in spray pyrolysis deposited Tin Selenide thin films. Materials Chemistry and Physics, 2016, 175, 118-124.	4.0	8
15	Simple apparatus to measure Seebeck coefficient up to 900K. Measurement: Journal of the International Measurement Confederation, 2015, 68, 295-301.	5.0	15
16	Frequency and temperature dependence dielectric study of strontium modified Barium Zirconium Titanate ceramics obtained by mechanochemical synthesis. Journal of Materials Science: Materials in Electronics, 2015, 26, 3069-3082.	2.2	49
17	Spray pyrolysis deposited tin selenide thin films for thermoelectric applications. Materials Chemistry and Physics, 2015, 153, 236-242.	4.0	35
18	Structural and dielectric properties of barium-modified SrBi4Ti4O15ceramics. Phase Transitions, 2015, 88, 430-444.	1.3	7

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19	Effect of deposition time on lead selenide thermoelectric thin films prepared by chemical bath deposition technique. Materials Science in Semiconductor Processing, 2015, 34, 45-51.	4.0	25
20	Effect of bath temperature on PbSe thin films prepared by chemical synthesis. Materials Science in Semiconductor Processing, 2015, 40, 910-916.	4.0	18
21	Investigation of multiferroic properties of doped BiFeO3â€“BaTiO3 composite ceramics. Materials Letters, 2015, 142, 42-44.	2.6	40
22	Effect of samarium doping on the dielectric behavior of barium zircomium titanate ceramic. , 2014, , .		1
23	Structural, Electrical, and Optical Behavior of Strontium Bismuth Titanate Ceramic. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2014, 45, 2132-2141.	2.2	12
24	In-situ spectroelectrochemistry (EPR, UVâ€“visible) and aggregation behavior of H2 BDCP and Zn(II)BDCP [BDCPÂ=Â{5,10,15,20-tetrakis[3,4-(1,4-dioxan)phenyl]porphyrin}2â¯]. Dyes and Pigments, 2014, 107, 29-37.	3.7	3
25	Structural refinement, optical and ferroelectric properties of microcrystalline Ba(Zr0.05Ti0.95)O3 perovskite. Current Applied Physics, 2014, 14, 708-715.	2.4	43
26	Investigations on structural, optical and thermoelectric parameters of spray deposited bismuth selenide thin films with different substrate temperature. Materials Chemistry and Physics, 2014, 148, 230-235.	4.0	12
27	Structural and impedance spectroscopy study of Samarium modified Barium Zirconium Titanate ceramic prepared by mechanochemical route. Current Applied Physics, 2014, 14, 1192-1200.	2.4	53
28	Structural refinement, optical and electrical properties of [Ba1â¯x Sm2x/3](Zr0.05Ti0.95)O3 ceramics. Journal of Materials Science: Materials in Electronics, 2014, 25, 3427-3439.	2.2	19
29	Synthesis and Characterization of Bismuth Selenide Thin Films by Chemical Bath Deposition Technique. Advanced Science Letters, 2014, 20, 854-856.	0.2	4
30	Dielectric And Impedance Spectroscopic Studies Of Multiferroic BiFe1-xNixO3. Advanced Materials Letters, 2014, 5, 531-537.	0.6	54
31	Diffuse phase transition behavior of dysprosium doped barium titanate ceramic. Journal of Electroceramics, 2013, 31, 55-60.	2.0	41
32	Frequency and temperature dependence dielectric behavior of barium zirconate titanate nanocrystalline powder obtained by mechanochemical synthesis. Journal of Materials Science: Materials in Electronics, 2013, 24, 4033-4042.	2.2	29
33	Temperature Dependence of Ionic Conductivity of Ceria Electrolyte at Concentrated Range of Multiple Doping. Journal of the American Ceramic Society, 2013, 96, 2846-2851.	3.8	9
34	Structural and dielectric properties of polyvinyl alcohol/barium zirconium titanate polymerâ€“ceramic composite. Current Applied Physics, 2013, 13, 1490-1495.	2.4	43
35	Effect of Yttrium Doping in Barium Zirconium Titanate Ceramics: A Structural, Impedance, and Modulus Spectroscopy Study. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2013, 44, 4296-4309.	2.2	25
36	Hydrolysis of SnCl₂ on polyaniline: Formation of conducting PAniâ€“SnO₂ composite with enhanced electrochemical properties. Journal of Applied Polymer Science, 2012, 124, 4819-4826.	2.6	6

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37	Relaxor ferroelectric behavior of â€œAâ€•site deficient Bismuth doped Barium Titanate ceramic. Journal of Electroceramics, 2012, 29, 117-124.	2.0	14
38	Low temperature stabilized rutile phase TiO2 films grown by sputtering. Thin Solid Films, 2012, 520, 1809-1813.	1.8	31
39	A Comparative Study of Electrochemical Capacitive Behavior of NiFe2O4 Synthesized by Different Routes. Journal of the Electrochemical Society, 2011, 158, A976.	2.9	91
40	EVIDENCE OF THICKNESS-DEPENDENT STABILITY OF NANOMETER RANGE W/Ni MULTILAYERS AGAINST SWIFT HEAVY ION IRRADIATION. International Journal of Nanoscience, 2011, 10, 99-103.	0.7	0
41	Structural and magnetic study of swift heavy ion irradiated W/Fe multilayer structure. Journal of Magnetism and Magnetic Materials, 2010, 322, 3851-3856.	2.3	6
42	Effect of swift heavy ion irradiation in W/Co multilayer structures. Nuclear Instruments & Methods in Physics Research B, 2010, 268, 1601-1606.	1.4	3
43	Thermally stimulated depolarization current studies of relaxation in L-asparagine monohydrate. IEEE Transactions on Dielectrics and Electrical Insulation, 2010, 17, 1128-1134.	2.9	6
44	Effect of swift heavy ion irradiation in Fe/W multilayer structures. Applied Surface Science, 2009, 256, 541-546.	6.1	6
45	Electron microscopic studies of the antiferroelectric phase in Sr0.60Ca0.40TiO3 ceramic. Journal of Solid State Chemistry, 2008, 181, 997-1004.	2.9	7
46	Unambiguous evidence for wurtzite phase in capped CdS quantum dots. Solid State Communications, 2008, 146, 425-427.	1.9	4
47	Locating the normal to relaxor phase boundary in Ba(Ti1â^'xHfx)O3 ceramics. Materials Research Bulletin, 2008, 43, 1761-1769.	5.2	19
48	Phase coexistence in Sr0.70Ca0.30TiO3 studied through electron diffraction. Solid State Sciences, 2008, 10, 307-315.	3.2	3
49	Occurrence of a new superlattice phase across the antiferroelectric phase transition in Sr1â^'xCaxTiO3(x= 0.30 and 0.40). Journal of Physics Condensed Matter, 2008, 20, 325231.	1.8	1
50	Effect of oxygenation on the structural and dielectric properties of Sr1â^'xCaxTiO3 with 0.20â©½xâ©½0.40. Applied Physics Letters, 2008, 92, 212901.	3.3	8
51	Space group analysis of Sr1â^'xCaxTiO3ceramics withx= 0.20, 0.27 and 0.30 through electron diffraction. Journal of Physics Condensed Matter, 2007, 19, 436210.	1.8	6
52	Study of the relaxor behavior in BaTi1â^'xHfxO3 (0.20â‰¤xâ‰¤0.30) ceramics. Solid State Sciences, 2007, 9, 1054-1060.	3.2	15
53	Strain induced coexistence of monoclinic and charge ordered phases inLa1â^'xCaxMnO3. Physical Review B, 2006, 74, .	3.2	41
54	Crossover from classical to relaxor ferroelectrics in BaTi1â^'xHfxO3ceramics. Journal of Physics Condensed Matter, 2006, 18, 3455-3468.	1.8	43

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55	The contribution of grain boundary and defects to the resistivity in the ferromagnetic state of polycrystalline manganites. Journal of Magnetism and Magnetic Materials, 2006, 306, 60-68.	2.3	10
56	Electron diffraction evidence of charge-ordering at room-temperature in La1â^'xCaxMnO3 (0.55â‰¤xâ‰¤0.67). Solid State Communications, 2006, 137, 158-161.	1.9	5
57	Ferroelectric relaxor behavior in hafnium doped barium-titanate ceramic. Solid State Communications, 2006, 138, 331-336.	1.9	85
58	Powder X-ray diffraction and Rietveld analysis of La_{1â^'<i>x</i>}Ca_{<i>x</i>}MnO₃(0<<i>X</i><1). Powder Diffraction, 2006, 21, 40-44.	0.2	26