

Kl Yadav

List of Publications by Year in descending order

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57
papers

2,225
citations

159585

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214800

47
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all docs

57
docs citations

57
times ranked

2184
citing authors

#	ARTICLE	IF	CITATIONS
1	Morphology and tensile performance of MWCNT/TiO ₂ -epoxy nanocomposite. <i>Materials Chemistry and Physics</i> , 2022, 277, 125336.	4.0	15
2	Silver doped zinc oxide nanostructures with antibacterial properties against GFP-expressing antibiotic resistant <i>Escherichia coli</i> . <i>Materials Letters</i> , 2022, 309, 131469.	2.6	4
3	Enhancement of dielectric performance in BaZr _{0.02} (Fe _{0.5} Nb _{0.5}) _{0.98} O ₃ ceramics influenced by sintering temperatures. <i>Physica B: Condensed Matter</i> , 2021, 617, 413114.	2.7	2
4	Magnetocapacitance based magnetoelectric coupling behavior of multiferroic BiFeO ₃ nanocrystals: An empirical investigation. <i>Physica B: Condensed Matter</i> , 2021, 621, 413315.	2.7	0
5	Role of magnetism present in the cobaltites (ACo ₂ O ₄ A \hat{A} = \hat{A} Co, Mn, and Fe) on the charge storage mechanism in aqueous supercapacitor. <i>Applied Surface Science</i> , 2021, 568, 150966.	6.1	14
6	Magnetic, ferroelectric, and magnetodielectric properties of BiFeO ₃ ceramic co-doped with Eu and Gd. <i>Journal of Physics and Chemistry of Solids</i> , 2019, 124, 19-23.	4.0	18
7	MWCNT/TiO ₂ hybrid nano filler toward high-performance epoxy composite. <i>Ultrasonics Sonochemistry</i> , 2018, 41, 37-46.	8.2	68
8	Probing the electrical properties and energy storage performance of electrospun ZnMn ₂ O ₄ nanofibers. <i>Solid State Ionics</i> , 2018, 321, 75-82.	2.7	40
9	Thermo-mechanical and anti-corrosive properties of MWCNT/epoxy nanocomposite fabricated by innovative dispersion technique. <i>Composites Part B: Engineering</i> , 2017, 113, 291-299.	12.0	114
10	Nanofibers of spinel-CdMn ₂ O ₄ : A new and high performance material for supercapacitor and Li-ion batteries. <i>Journal of Alloys and Compounds</i> , 2017, 703, 86-95.	5.5	44
11	Electrically heterogeneous high dielectric BaTi _{0.4} (Fe _{0.5} Nb _{0.5}) _{0.6} O ₃ ceramic. <i>Solid-State Electronics</i> , 2017, 132, 39-44.	1.4	1
12	Multiferroic and magnetoelectric properties of BiFeO ₃ -CoFe ₂ O ₄ -poly(vinylidene-fluoride) composite films. <i>European Polymer Journal</i> , 2017, 91, 100-110.	5.4	45
13	Strain mediated magnetoelectric coupling induced in (x)Bi _{0.5} Na _{0.5} TiO ₃ -(1 \hat{a} ^x)MgFe ₂ O ₄ composites. <i>Physica B: Condensed Matter</i> , 2017, 514, 41-50.	2.7	24
14	Improved energy storage, magnetic and electrical properties of aligned, mesoporous and high aspect ratio nanofibers of spinel-NiMn ₂ O ₄ . <i>Applied Surface Science</i> , 2017, 426, 913-923.	6.1	54
15	Study of structural, dielectric, electric, magnetic and magnetoelectric properties of K _{0.5} Na _{0.5} NbO ₃ <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si0014.gif" overflow="scroll"><mml:mo>^{\wedge}</mml:mo></mml:math> Ni _{0.2} Co _{0.8} Fe ₂ O ₄ composites. <i>Ceramics International</i> , 2017, 43, 13438-13446.	4.8	21
16	Porous, one-dimensional and high aspect ratio nanofibric network of cobalt manganese oxide as a high performance material for aqueous and solid-state supercapacitor (2 \hat{A} V). <i>Journal of Power Sources</i> , 2016, 327, 29-37.	7.8	45
17	Bimodal distribution of grains. <i>Materials Today</i> , 2016, 19, 56-57.	14.2	2
18	Dielectric, enhanced magnetic and magnetodielectric properties of hot pressed (BNBT-BFO)/PVDF composite films. <i>Journal of Polymer Research</i> , 2015, 22, 1.	2.4	7

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19	Dwell time effect on the barrier layer capacitor structure in CaCu ₃ Ti ₄ O ₁₂ ceramic. <i>Ceramics International</i> , 2015, 41, 12386-12392.	4.8	7
20	Structural, dielectric, vibrational and magnetic properties of Sm doped BiFeO ₃ multiferroic ceramics prepared by a rapid liquid phase sintering method. <i>Ceramics International</i> , 2015, 41, 9285-9295.	4.8	113
21	Structural and magnetodielectric properties of poly(vinylidene-fluoride)-[0.8(Bi _{0.5} Na _{0.5})TiO ₃ -0.2CoFe ₂ O ₄] polymer composite films. <i>Composites Part B: Engineering</i> , 2015, 79, 138-143.	12.0	19
22	A novel one-pot synthesis of hierarchical europium doped ZnO nanoflowers. <i>Materials Letters</i> , 2015, 142, 30-34.	2.6	25
23	Origin of giant dielectric constant and magnetodielectric study in Ba(Fe _{0.5} Nb _{0.5})O ₃ nanoceramics. <i>Journal of Alloys and Compounds</i> , 2014, 591, 224-229.	5.5	41
24	Study of structural, electrical, magnetic and optical properties of 0.65BaTiO ₃ â€“0.35Bi _{0.5} Na _{0.5} TiO ₃ â€“BiFeO ₃ multiferroic composite. <i>Journal of Alloys and Compounds</i> , 2014, 597, 188-199.	5.5	62
25	Synthesis and study of structural, dielectric, magnetic and magnetoelectric characterization of BiFeO ₃ â€“NiFe ₂ O ₄ nanocomposites prepared by chemical solution method. <i>Journal of Alloys and Compounds</i> , 2014, 585, 805-810.	5.5	42
26	Effect of yttrium on microstructure, dielectric, ferroelectric and optical properties of BaZr _{0.10} Ti _{0.90} O ₃ nanoceramics. <i>Physica B: Condensed Matter</i> , 2014, 442, 39-43.	2.7	19
27	Compositional effects on structural, dielectric, ferroelectric and transport properties of Ba _{1-x} (Bi) _{Tj} ETQq1 1 0.784314 rgBT ₁₅ /Overl	4.0	15
28	Study of barrier layer capacitance effect in lead free Ba _{0.95} Sr _{0.05} (Fe _{0.5} Nb _{0.5})O ₃ â€“BaZr _{0.1} Ti _{0.9} O ₃ ceramics. <i>Physica B: Condensed Matter</i> , 2014, 452, 136-141.	2.7	1
29	Enhanced magnetodielectric effect and optical property of lead-free multiferroic (1â€“x)(Bi _{0.5} Na _{0.5})TiO ₃ /xCoFe ₂ O ₄ composites. <i>Materials Chemistry and Physics</i> , 2014, 147, 1183-1190.	4.0	36
30	Dielectric and magnetic properties of x CoFe ₂ O ₄ â€“(1 â€“ x)[0.5Ba(Zr _{0.2} Ti _{0.8})O ₃ â€“0.5(Ba _{0.7} Ca _{0.3})TiO ₃] composites. <i>Materials Research Bulletin</i> , 2014, 60, 367-375.	5.2	52
31	Mo ⁶⁺ Modified (K _{0.5} Na _{0.5})NbO ₃ Lead Free Ceramics: Structural, Electrical and Optical Properties. <i>Journal of Materials Science and Technology</i> , 2014, 30, 459-465.	10.7	22
32	Enhanced magnetodielectric properties of single-phase Bi _{0.95} â€“xLa _{0.05} LuxFeO ₃ multiferroic system. <i>Journal of Alloys and Compounds</i> , 2013, 554, 138-141.	5.5	17
33	Structural, dielectric and ferroelectric properties of Ba _{1-x} (Bi _{0.5} Na _{0.5}) _x TiO ₃ ceramics. <i>Ceramics International</i> , 2013, 39, 3627-3633.	4.8	44
34	Enhanced magnetoelectric sensitivity in Co _{0.7} Zn _{0.3} Fe ₂ O ₄ â€“Bi _{0.9} La _{0.1} FeO ₃ nanocomposites. <i>Materials Research Bulletin</i> , 2013, 48, 1312-1315.	5.2	15
35	Giant dielectric permittivity and room temperature magnetodielectric study of BaTi _{0.2} (Fe _{0.5} Nb _{0.5}) _{0.8} O ₃ nanoceramic. <i>Materials Research Bulletin</i> , 2013, 48, 1435-1438.	5.2	16
36	Enhanced dielectric, ferroelectric and optical properties of lead free (K _{0.17} Na _{0.83})NbO ₃ ceramic with WO ₃ addition. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2013, 178, 1469-1475.	3.5	8

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37	Structural, optical and magnetic study of $(1-x)\text{ZnO} \cdot x\text{MgO}$ composites prepared through solid state reaction method. <i>Physica B: Condensed Matter</i> , 2012, 407, 3427-3433.	2.7	12
38	Enhanced magnetoelectric properties in $\text{Bi}_{0.95}\text{Ho}_{0.05}\text{FeO}_3$ polycrystalline ceramics. <i>Journal of Alloys and Compounds</i> , 2012, 511, 149-153.	5.5	37
39	Enhanced magnetocapacitance sensitivity in BiFeO_3 / poly(vinylidene-fluoride) hot pressed composite films. <i>Journal of Alloys and Compounds</i> , 2012, 528, 16-19.	5.5	30
40	Effect of Nb substitution on the structural, dielectric and magnetic properties of multiferroic $\text{BiFe}_{1-x}\text{Nb}_x\text{O}_3$ ceramics. <i>Materials Chemistry and Physics</i> , 2012, 132, 17-21.	4.0	36
41	Low temperature step magnetization and magnetodielectric study in $\text{Bi}_{0.95}\text{La}_{0.05}\text{Fe}_{1-x}\text{Zr}_x\text{O}_3$ ceramics. <i>Materials Chemistry and Physics</i> , 2012, 134, 430-434.	4.0	34
42	Multiferroic, magnetoelectric and optical properties of Mn doped BiFeO_3 nanoparticles. <i>Solid State Communications</i> , 2012, 152, 525-529.	1.9	147
43	A systematic study on magnetic, dielectric and magnetocapacitance properties of Ni doped bismuth ferrite. <i>Journal of Physics and Chemistry of Solids</i> , 2011, 72, 1189-1194.	4.0	45
44	Magnetic, magnetocapacitance and dielectric properties of Cr doped bismuth ferrite nanoceramics. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2011, 176, 227-230.	3.5	79
45	Structural, dielectric, magnetic, magnetodielectric and impedance spectroscopic studies of multiferroic BiFeO_3 / BaTiO_3 ceramics. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2011, 176, 540-547.	3.5	162
46	Synthesis and characterization of MnFe_2O_4 / BiFeO_3 multiferroic composites. <i>Physica B: Condensed Matter</i> , 2011, 406, 1763-1766.	2.7	27
47	Structural, magnetic and dielectric properties of $x\text{CrFe}_2\text{O}_4 \cdot (1-x)\text{BiFeO}_3$ multiferroic nanocomposites. <i>Physica B: Condensed Matter</i> , 2010, 405, 2362-2366.	2.7	26
48	The effect of Ni substitution on magnetic, dielectric and magnetoelectric properties in $\text{BiFe}_{1-x}\text{Ni}_x\text{O}_3$ system. <i>Physica B: Condensed Matter</i> , 2010, 405, 4650-4654.	2.7	37
49	Synthesis and study of multiferroic properties of ZnFe_2O_4 / BiFeO_3 nanocomposites. <i>Journal of Alloys and Compounds</i> , 2010, 492, 406-410.	5.5	47
50	Large magnetization and weak polarization in sol-gel derived BiFeO_3 ceramics. <i>Materials Letters</i> , 2008, 62, 1159-1161.	2.6	71
51	Study of dielectric, magnetic and ferroelectric properties in $\text{Bi}_{1-x}\text{GdxFeO}_3$. <i>Materials Letters</i> , 2008, 62, 2858-2861.	2.6	128
52	Effect of Nd doping on structural, dielectric and thermodynamic properties of PZT (65/35) ceramic. <i>Physica B: Condensed Matter</i> , 2007, 395, 1-9.	2.7	52
53	Magnetoelectric characterization of $x\text{Ni}_{0.75}\text{Co}_{0.25}\text{Fe}_2\text{O}_4 \cdot (1-x)\text{BiFeO}_3$ nanocomposites. <i>Journal of Physics and Chemistry of Solids</i> , 2007, 68, 1791-1795.	4.0	77
54	Synthesis of nanocrystalline $x\text{CuFe}_2\text{O}_4 \cdot (1-x)\text{BiFeO}_3$ magnetoelectric composite by chemical method. <i>Materials Letters</i> , 2007, 61, 2089-2092.	2.6	32

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55	Electrical properties of a lead-free perovskite ceramic: (Na _{0.5} Sb _{0.5})TiO ₃ . Applied Physics A: Materials Science and Processing, 2007, 88, 377-383.	2.3	31
56	Structural and electrical properties of PZT (La, Na) ceramics. Materials Letters, 1994, 19, 61-64.	2.6	20
57	Structural and electrical properties of PZT (La, K) ceramics. Materials Letters, 1993, 16, 291-294.	2.6	23