Devi kakarla

List of Publications by Year
in descending order

44 papers	856 citations	471509 17 h-index	477307 29 g-index
45 all docs	45 docs citations	45 times ranked	1038 citing authors

#	Article	IF	Citations
1	Giant magnetocaloric effect in Gd₂NiMnO₆and Gd₂CoMnO₆ferromagnetic insulators. Journal Physics D: Applied Physics, 2015, 48, 355001.	2.8	74
2	Dielectric and Magnetodielectric Properties of <scp><scp>R</scp></scp>₂<scp><scp>NiMnO</scp></scp>₆ (RÂ=Â<scp><scp>Nd</scp></scp>,<scp><scp>Eu</scp></scp>,<scp><scp>Gd</scp></scp>,<scp><scp>Dy</scp></scp>,) TJ ETQq0 0 0	3.8	67
3	The extrinsic origin of the magnetodielectric effect in the double perovskite La₂NiMnO₆. Journal of Physics Condensed Matter, 2012, 24, 495901.	1.8	65
4	Investigation of the intrinsic magnetodielectric effect in La₂CoMnO₆: role of magnetic disorder. Journal of Materials Chemistry C, 2015, 3, 836-843.	5.5	62
5	Spin glass behaviour and extrinsic origin of magnetodielectric effect in non-multiferroic La₂NiMnO₆nanoparticles. Journal of Physics Condensed Matter, 2012, 24, 376003.	1.8	58
6	Role of defects and oxygen vacancies on dielectric and magnetic properties of Pb2+ ion doped LaFeO3 polycrystalline ceramics. Physica B: Condensed Matter, 2014, 448, 304-311.	2.7	45
7	Antisite disorder driven spontaneous exchange bias effect in La_{2â^'x}Sr_xCoMnO₆(0â€‰â€‰â©½â€‰â€‰xâ€‰â€‰â©½â€‰â€‰ Condensed Matter, 2016, 28, 086003.	2.0	36
8	Metamagnetic behaviour and effect of field cooling on sharp magnetization jumps in multiferroic Y ₂ CoMnO ₆. Europhysics Letters, 2014, 108, 27013.	3.2	36
9	Anisotropic spin-flip-induced multiferroic behavior in kagome <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi mathvariant="normal">C</mml:mi><mml:msub><mml:mi mathvariant="normal">u</mml:mi><mml:mn>3</mml:mn></mml:msub><mml:mi>Bi</mml:mi><mml:msub><mml:mrow><mml:mo><(mathvariant="normal">O</mml:mi><mml: Physical Review B, 2017, 95, .		
10	Intrinsic and extrinsic contributions to magnetodielectric effect in double perovskite La2CoMnO6 nanoparticles. Applied Nanoscience (Switzerland), 2013, 3, 25-28.	3.1	29
11	Comparison of structural, magnetic and electrical transport behavior in bulk and nanocrystalline Nd-lacunar Nd0.67Sr0.33MnO3 manganites. Journal of Magnetism and Magnetic Materials, 2019, 472, 74-85.	2.3	28
12	Unexpected observation of splitting of skyrmion phase in Zn doped Cu2OSeO3. Scientific Reports, 2015, 5, 13579.	3.3	25
13	Electric and magnetic polarizabilities of hexagonal <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"		

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19	Single-step synthesis of graphene-carbon nanofiber hybrid material and its synergistic magnetic behaviour. Journal of Alloys and Compounds, 2014, 615, 348-354.	5.5	17
20	High dielectric permittivity in semiconducting Pr0.6Ca0.4MnO3 filled polyvinylidene fluoride nanocomposites with low percolation threshold. Applied Physics Letters, 2009, 95, 062904.	3.3	16
21	Unusual dielectric response in B-site size-disordered hexagonal transition metal oxides. Applied Physics Letters, 2010, 96, .	3.3	15
22	Magnetostructural coupling and multiferroic properties in the spin-frustrated system <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi mathvariant="normal">N</mml:mi><mml:msub><mml:mi mathvariant="normal">i</mml:mi><mml:mrow><mml:mn>1</mml:mn><mml:mo>â^’</mml:mo><mml:mi>x</mml:mi></mml:mrow></mml:msub><mml:mi mathvariant="normal">Z</mml:mi><mml:msub><mml:mi mathvariant="normal">n</mml:mi><mml:mi>x</mml:mi></mml:msub><mml:mi	3.2	15
23	Effects of Jahn-Teller distortion on the skyrmion stability of (Cu_{1â^’x}Ni_x)₂OSeO₃. Journal of Materials Chemistry C, 2016, 4, 5270-5274.	5.5	14
24	Observation of Griffiths-like phase and its tunability in La2Ni1â^’xCoxMnO6 (0â‰¤xâ‰¤1) nanoparticles. Journal of Magnetism and Magnetic Materials, 2016, 418, 2-8.	2.3	14
25	Anisotropic pressure effects on the Kagome Cu₃Bi(SeO₃)₂O₂Cl metamagnet. Journal Physics D: Applied Physics, 2017, 50, 265002.	2.8	12
26	Metamagnetic transitions and magnetoelectric coupling in acentric and nonpolar <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Pb</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:msub><mml:mi></mml:mi><mml:mn>4</mml:mn></mml:msub></mml:mrow></mml:math>. Physical Review B, 2019, 99, .	3.2	11
27	Impact of Nd and Sr-site deficiencies on the structural, magnetic and electrical transport properties in Nd0.67-xSr0.33MnO3-Î´ (xâ€¯=â€¯0.09, 0.17, 0.25, 0.33) and Nd0.67Sr0.33-yMnO3-Î´ (yâ€¯=â€¯0.09, 0.17) manganites. Journal of Magnetism and Magnetic Materials, 2019, 488, 165413.	2.8	8
28	Pressure and magnetic field effects on ferroelastic and antiferromagnetic orderings in honeycomb-lattice <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi mathvariant="normal">M</mml:mi><mml:msub><mml:mi mathvariant="normal">n</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">V</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi mathvariant	3.2	8
29	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi mathvariant="normal">C</mml:mi><mml:msub><mml:mi mathvariant="normal">u</mml:mi><mml:mn>9</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:mrow><mml:mo>(	3.2	7
30	Magnetic Glassy Behavior of Pr_{0.6}Ca_{0.4}MnO₃ Nanoparticles: Effect of Intra and Interparticle Magnetic Interactions on Magnetodielectric Property. Journal of Physical Chemistry C, 2014, 118, 27728-27734.	3.1	5
31	Interplay of lattice, spin, and dipolar properties in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>CoTeMoO</mml:mi><mml:mn>6</mml:mn></mml:msub></mml:math> : Emergence of Griffiths-like phase, metamagnetic transition, and magnetodielectric effect. Physical Review B, 2022, 105, .	3.2	5
32	Spin-lattice-charge coupling in quasi-one-dimensional spin-chain <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>NiTe</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:msub><mml:mi></mml:mi><mml:mn>5</mml:mn></mml:msub></mml:mrow></mml:math>. Physical Review Materials, 2022, 6, .	2.4	5
33	Anomalous freezing of dielectric polarons near magnetic ordering in multiferroic La0.5Bi0.5FeO3. Ceramics International, 2019, 45, 6250-6254.	4.8	4
34	Single crystal growth and structural, magnetic, and magnetoelectric properties in spin-frustrated bow-tie lattice of Î±-Cu₅O₂(SeO₃)₂Cl₂. Materials Advances, 2021, 2, 7939-7948.	5.4	4
35	Magnetic properties of La2NiMnO6 nanoparticles. , 2012, , .		3
36	Observation of oscillation like magnetocaloric effect in multiferroic Ni0.95Zn0.05Cr2O4. Journal of Alloys and Compounds, 2019, 771, 674-679.	5.5	3

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37	Synthesis And Magnetic Properties Of La[sub 2]NiMnO[sub 6] Nanoparticles. , 2011, , .		2
38	Understanding the correlation between orbital degree of freedom, lattice-striction and magneto-dielectric coupling in ferrimagnetic Mn_{1.5}Cr_{1.5}O₄. Journal of Physics Condensed Matter, 2021, 33, 505802.	1.8	2
39	Magnetic field induced dielectric relaxation in the strain glass state of Pr0.6Ca0.4MnO3. Journal of Applied Physics, 2013, 113, 173907.	2.5	1
40	High dielectric permittivity in BaFe[sub 12]O[sub 19]/polyvinylidene fluoride composites. , 2013, , .		1
41	Magnetic glassy state at low spin state of Co3+ in EuBaCo2O5+Î´ (Îâ€‰â€‰=â€‰â€‰0.47) cobaltite. Journal of Physics Condensed Matter, 2020, 32, 155803.	1.8	1
42	Evidence of a structural phase transition in the triangular-lattice compound CuIr2Te4. Physical Review B, 2021, 103, .	3.2	1
43	Dielectric Properties of Percolative Pr[sub 1â^'x]Ca[sub x]MnO[sub 3]â^•Polyvinylidene fluoride nanocomposites under various processing conditions. , 2010, , .		0
44	Study of percolation behavior in semiconducting La[sub 0.95]MnO[sub 3]/polyvinylidene fluoride nanocomposites. , 2013, , .		0