

# Devi kakarla

## List of Publications by Year in descending order

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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	Interplay of lattice, spin, and dipolar properties in $\text{CoTeMoO}_6$ : Emergence of Griffiths-like phase, metamagnetic transition, and magnetodielectric effect. Physical Review B, 2022, 105, .	3.2	5
2	Spin-lattice-charge coupling in quasi-one-dimensional spin-chain $\text{NiTeO}_5$ . Physical Review Materials, 2022, 6, .	2.4	5
3	Evidence of a structural phase transition in the triangular-lattice compound $\text{CuIr}_2\text{Te}_4$ . Physical Review B, 2021, 103, .	3.2	1
4	Understanding the correlation between orbital degree of freedom, lattice-contraction and magneto-dielectric coupling in ferrimagnetic $\text{Mn}_{1.5}\text{Cr}_{1.5}\text{O}_4$ . Journal of Physics Condensed Matter, 2021, 33, 505802.	1.8	2
5	Single crystal growth and structural, magnetic, and magnetoelectric properties in spin-frustrated bow-tie lattice of $\text{Cu}_5\text{O}_2(\text{SeO}_3)_2\text{Cl}_2$ . Materials Advances, 2021, 2, 7939-7948.	5.4	4
6	Magnetic glassy state at low spin state of $\text{Co}^{3+}$ in $\text{EuBaCo}_2\text{O}_5+\hat{\Gamma}$ ( $\hat{\Gamma} \approx 0.47$ ) cobaltite. Journal of Physics Condensed Matter, 2020, 32, 155803.	1.8	1
7	Pressure and magnetic field effects on ferroelastic and antiferromagnetic orderings in honeycomb-lattice $\text{Mn}_2\text{O}_7$ . Physical Review B, 2019, 99, 020407.	3.2	8
8	Observation of skyrmion-like magnetism in magnetic Weyl semimetal $\text{Co}_3\text{Sn}_2\text{S}_2$ . Materials Today Physics, 2020, 12, 100189.	6.0	20
9	Impact of Nd and Sr-site deficiencies on the structural, magnetic and electrical transport properties in $\text{Nd}_{0.67-x}\text{Sr}_{0.33}\text{MnO}_3-\hat{\Gamma}$ ( $\hat{\Gamma} = 0.09, 0.17, 0.25, 0.33$ ) and $\text{Nd}_{0.67}\text{Sr}_{0.33-y}\text{MnO}_3-\hat{\Gamma}$ ( $\hat{\Gamma} = 0.09, 0.17$ ) manganites. Journal of Magnetism and Magnetic Materials, 2019, 489, 165418.	2.1	8
10	Metamagnetic transitions and magnetoelectric coupling in acentric and nonpolar $\text{Pb}_2\text{O}_4$ . Physical Review B, 2019, 99, 020407.	3.2	11
11	Observation of skyrmion-like magnetism in magnetic Weyl semimetal $\text{Co}_3\text{Sn}_2\text{S}_2$ . Materials Today Physics, 2020, 12, 100189.	3.2	7
12	Observation of oscillation like magnetocaloric effect in multiferroic $\text{Ni}_{0.95}\text{Zn}_{0.05}\text{Cr}_2\text{O}_4$ . Journal of Alloys and Compounds, 2019, 771, 674-679.	5.5	3
13	Anomalous freezing of dielectric polarons near magnetic ordering in multiferroic $\text{La}_{0.5}\text{Bi}_{0.5}\text{FeO}_3$ . Ceramics International, 2019, 45, 6250-6254.	4.8	4
14	Comparison of structural, magnetic and electrical transport behavior in bulk and nanocrystalline Nd-lacunar $\text{Nd}_{0.67}\text{Sr}_{0.33}\text{MnO}_3$ manganites. Journal of Magnetism and Magnetic Materials, 2019, 472, 74-85.	2.3	28
15	Structural and magnetic properties of $\text{Nd}_{0.67}\text{Ba}_{0.33}\text{MnO}_3$ manganites with partial replacement of Fe and Cu at Mn-site. Physica B: Condensed Matter, 2018, 539, 14-20.	2.7	20
16	Effects of Mn site substitution on magnetic ordering and critical behavior in $\text{Nd}_{0.67}\text{Sr}_{0.33}\text{MnO}_3$ manganite. Journal of Physics and Chemistry of Solids, 2018, 123, 327-335.	4.0	19
17	Anisotropic pressure effects on the Kagome $\text{Cu}_3\text{Bi}(\text{SeO}_3)_2\text{O}_2\text{Cl}$ metamagnet. Journal Physics D: Applied Physics, 2017, 50, 265002.	2.8	12
18	Anisotropic spin-flip-induced multiferroic behavior in kagome $\text{Cu}_3\text{Bi}(\text{SeO}_3)_2\text{O}_2\text{Cl}$ . Physical Review B, 2017, 95, .	3.2	36

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19	Structural coupling and multiferroic properties in the spin-frustrated system $\text{La}_{1-x}\text{Ni}_x\text{MnO}_3$ . <i>Journal of Materials Chemistry C</i> , 2016, 4, 5270-5274.	5.5	14
20	Effects of Jahn-Teller distortion on the skyrmion stability of $(\text{Cu}_{1-x}\text{Ni}_x)_2\text{OSeO}_3$ . <i>Journal of Materials Chemistry C</i> , 2016, 4, 5270-5274.	5.5	14
21	Antisite disorder driven spontaneous exchange bias effect in $\text{La}_{2-x}\text{Sr}_x\text{CoMnO}_6$ ( $0 \leq x \leq 1$ ) nanoparticles. <i>Condensed Matter</i> , 2016, 28, 086003.		
22	Observation of Griffiths-like phase and its tunability in $\text{La}_2\text{Ni}_{1-x}\text{Co}_x\text{MnO}_6$ ( $0 \leq x \leq 1$ ) nanoparticles. <i>Journal of Magnetism and Magnetic Materials</i> , 2016, 418, 2-8.	2.3	14
23	Unexpected observation of splitting of skyrmion phase in Zn doped $\text{Cu}_2\text{OSeO}_3$ . <i>Scientific Reports</i> , 2015, 5, 13579.	3.3	25
24	Giant magnetocaloric effect in $\text{Gd}_2\text{NiMnO}_6$ and $\text{Gd}_2\text{CoMnO}_6$ ferromagnetic insulators. <i>Journal Physics D: Applied Physics</i> , 2015, 48, 355001.	2.8	74
25	Physical pressure and chemical expansion effects on the skyrmion phase in $\text{Cu}_2\text{OSeO}_3$ . <i>Journal Physics D: Applied Physics</i> , 2015, 48, 475001.	2.8	18
26	Investigation of the intrinsic magnetodielectric effect in $\text{La}_2\text{CoMnO}_6$ : role of magnetic disorder. <i>Journal of Materials Chemistry C</i> , 2015, 3, 836-843.	5.5	62
27	Metamagnetic behaviour and effect of field cooling on sharp magnetization jumps in multiferroic $\text{Y}_2\text{CoMnO}_6$ . <i>Europhysics Letters</i> , 2014, 108, 27013.	2.0	36
28	Dielectric and Magnetodielectric Properties of $(\text{R}=\text{Nd}, \text{Eu}, \text{Gd}, \text{Dy})_2\text{Ti}_2\text{O}_7$	3.8	67
29	Magnetic Glassy Behavior of $\text{Pr}_{0.6}\text{Ca}_{0.4}\text{MnO}_3$ Nanoparticles: Effect of Intra and Interparticle Magnetic Interactions on Magnetodielectric Property. <i>Journal of Physical Chemistry C</i> , 2014, 118, 27728-27734.	3.1	5
30	Single-step synthesis of graphene-carbon nanofiber hybrid material and its synergistic magnetic behaviour. <i>Journal of Alloys and Compounds</i> , 2014, 615, 348-354.	5.5	17
31	Role of defects and oxygen vacancies on dielectric and magnetic properties of $\text{Pb}^{2+}$ ion doped $\text{LaFeO}_3$ polycrystalline ceramics. <i>Physica B: Condensed Matter</i> , 2014, 448, 304-311.	2.7	45
32	Intrinsic and extrinsic contributions to magnetodielectric effect in double perovskite $\text{La}_2\text{CoMnO}_6$ nanoparticles. <i>Applied Nanoscience (Switzerland)</i> , 2013, 3, 25-28.	3.1	29
33	Magnetic field induced dielectric relaxation in the strain glass state of $\text{Pr}_{0.6}\text{Ca}_{0.4}\text{MnO}_3$ . <i>Journal of Applied Physics</i> , 2013, 113, 173907.	2.5	1
34	High dielectric permittivity in $\text{BaFe}_{12}\text{O}_{19}$ /polyvinylidene fluoride composites. , 2013, , .		1
35	Study of percolation behavior in semiconducting $\text{La}_{0.95}\text{MnO}_3$ /polyvinylidene fluoride nanocomposites. , 2013, , .		0
36	Magnetic properties of $\text{La}_2\text{NiMnO}_6$ nanoparticles. , 2012, , .		3

#	ARTICLE	IF	CITATIONS
37	Spin glass behaviour and extrinsic origin of magnetodielectric effect in non-multiferroic $\text{La}_{2}\text{NiMnO}_{6}$ nanoparticles. Journal of Physics Condensed Matter, 2012, 24, 376003.	1.8	58
38	The extrinsic origin of the magnetodielectric effect in the double perovskite $\text{La}_{2}\text{NiMnO}_{6}$ . Journal of Physics Condensed Matter, 2012, 24, 495901.	1.8	65
39	Large magnetodielectric response in $\text{Pr}_{0.6}\text{Ca}_{0.4}\text{MnO}_{3}$ /polyvinylidene fluoride nanocomposites. Applied Physics Letters, 2011, 98, .	3.3	19
40	Synthesis And Magnetic Properties Of $\text{La}_{2}\text{NiMnO}_{6}$ Nanoparticles. , 2011, , .		2
41	Unusual dielectric response in B-site size-disordered hexagonal transition metal oxides. Applied Physics Letters, 2010, 96, .	3.3	15
42	Dielectric Properties of Percolative $\text{Pr}_{1-x}\text{Ca}_{x}\text{MnO}_{3}$ •Polyvinylidene fluoride nanocomposites under various processing conditions. , 2010, , . <a href="#">Electric and magnetic polarizabilities of hexagonal</a> <a href="#">xmlns:mml="http://www.w3.org/1998/Math/MathML"</a>		0
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