

Karuna K Mishra

List of Publications by Year in descending order

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33
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33
times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Vibrational, magnetic, and dielectric behavior of La-substituted BiFeO ₃ -PbTiO ₃ . Journal of Applied Physics, 2011, 110, .	2.5	69
2	Phase transition and enhanced magneto-dielectric response in BiFeO ₃ -DyMnO ₃ multiferroics. Journal of Applied Physics, 2015, 117, .	2.5	45
3	Phase transition and magneto-electric coupling of BiFeO ₃ -YMnO ₃ multiferroic nanoceramics. Journal of Applied Physics, 2013, 114, .	2.5	31
4	Studies of ferroelectric properties and leakage current behaviour of microwave sintered ferroelectric Na _{0.5} Bi _{0.5} TiO ₃ ceramic. Ferroelectrics, 2017, 517, 25-33.	0.6	28
5	Enhanced energy storage density in Sc ³⁺ substituted Pb(Zr _{0.53} Ti _{0.47})O ₃ nanoscale films by pulse laser deposition technique. Applied Surface Science, 2019, 490, 451-459.	6.1	28
6	Low-temperature Raman spectroscopic studies in NaNbO ₃ . Journal of Raman Spectroscopy, 2011, 42, 517-521.	2.5	27
7	High Entropy Oxide Relaxor Ferroelectrics. ACS Applied Materials & Interfaces, 2022, 14, 11962-11970.	8.0	26
8	Dielectric and polarized Raman spectroscopic studies on 0.85Pb(Zn _{1/3} Nb _{2/3})O ₃ -0.15PbTiO ₃ single crystal. Journal of Applied Physics, 2012, 112, 073521.	2.5	20
9	Soft modes and anharmonicity in $H\text{MnO}_3$ Raman spectroscopy and first-principles calculations. Physical Review B, 2015, 92, .	3.2	17
10	Coupled phonons and magnetic orderings in GaFeO ₃ : Raman and magnetization studies. Journal of Applied Physics, 2019, 125, .	2.5	17
11	Structural and Thermal Properties of BaTe ₂ O ₆ : Combined Variable-Temperature Synchrotron X-ray Diffraction, Raman Spectroscopy, and ab Initio Calculations. Inorganic Chemistry, 2016, 55, 8994-9005.	4.0	15
12	Raman Fingerprint of Pressure-Induced Phase Transitions in TiS ₃ Nanoribbons: Implications for Thermal Measurements under Extreme Stress Conditions. ACS Applied Nano Materials, 2020, 3, 8794-8802.	5.0	15
13	Temperature dependent structural, vibrational and magnetic properties of K ₃ Gd ₅ (PO ₄) ₆ . Physical Chemistry Chemical Physics, 2017, 19, 6030-6041.	2.8	14
14	Phase Transformation, Vibrational and Electronic Properties of K ₂ Ce(PO ₄) ₂ : A Combined Experimental and Theoretical Study. Inorganic Chemistry, 2017, 56, 3335-3348.	4.0	14
15	Ferroelectric ordering and energy storage density of thin films capacitor by doping La ³⁺ and Sc ³⁺ on Pb(Zr _{0.53} Ti _{0.47})O ₃ using pulse laser deposition technique. Applied Physics Letters, 2019, 114, 223902.	3.3	14
16	New High Pressure Phases of Energetic Material TEX: Evidence from Raman Spectroscopy, X-ray Diffraction, and First-Principles Calculations. Journal of Physical Chemistry A, 2018, 122, 6236-6242.	2.5	13
17	Lead palladium titanate: A room temperature nanoscale multiferroic thin film. Scientific Reports, 2020, 10, 2991.	3.3	12
18	Study of Phase Transformation in BaTe ₂ O ₆ by in Situ High-Pressure X-ray Diffraction, Raman Spectroscopy, and First-Principles Calculations. Inorganic Chemistry, 2016, 55, 227-238.	4.0	11

#	ARTICLE	IF	CITATIONS
19	Progress in designing novel single-phase room temperature multiferroics. <i>Ferroelectrics</i> , 2020, 569, 227-239.	0.6	8
20	Anomalous behavior of acoustic phonon mode and central peak in $\text{Pb}(\text{Zn}_{1/3}\text{Nb}_{2/3})_{0.85}\text{Ti}_{0.15}\text{O}_3$ single crystal studied using Brillouin scattering. <i>Journal of Applied Physics</i> , 2012, 112, 114109.	2.5	6
21	Phonon and magnetoelastic coupling in $\text{Al}_{0.5}\text{Ga}_{0.5}\text{FeO}_3$: Raman, magnetization and neutron diffraction studies. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 6906-6918.	2.8	6
22	Raman Fingerprint of Pressure-Induced Phase Transition in SnO_2 Nanoparticles: Gr \ddot{A} neisen Parameter and Thermal Expansion. <i>Journal of Physical Chemistry C</i> , 2021, 125, 23287-23298.	3.1	6
23	High pressure behavior of complex phosphate $\text{K}_2\text{Ce}[\text{PO}_4]_2$: Gr \ddot{A} neisen parameter and anharmonicity properties. <i>Journal of Solid State Chemistry</i> , 2018, 258, 845-853.	2.9	5
24	Ferroelectric ordering and energy storage capacity in lead-free $\text{Ba}(\text{Zr}_{0.2}\text{Ti}_{0.8})\text{O}_3$ nanoscale film capacitors fabricated using pulsed laser deposition technique. <i>Journal of Applied Physics</i> , 2019, 126, .	2.5	4
25	Lead palladium zirconate titanate: A room temperature nanoscale multiferroic thin film. <i>Journal of Applied Physics</i> , 2020, 127, 204104.	2.5	4
26	x-T phase diagram of La-substituted $\text{BiFeO}_3\text{-PbTiO}_3$. <i>AIP Advances</i> , 2011, 1, 032126.	1.3	2
27	Structural phase transitions in the geometric ferroelectric $\text{LaTa}_4\text{O}_{13}$. <i>Physical Review B</i> , 2021, 103, .	3.2	2
28	Studies of Optical, Dielectric, Ferroelectric, and Structural Phase Transitions in $0.9[\text{KNbO}_3]\text{-}0.1[\text{BaNi}_{1/2}\text{Nb}_{1/2}\text{O}_3]$. <i>Crystals</i> , 2022, 12, 35.	2.2	2
29	Characterization of V_2O_3 Nanoscale Thin Films Prepared by DC Magnetron Sputtering Technique. <i>Coatings</i> , 2022, 12, 649.	2.6	2
30	High pressure Raman spectroscopic studies of the relaxor ferroelectric $0.85\text{Pb}(\text{Zn}_{1/3}\text{Nb}_{2/3})\text{O}_3\text{-}0.15\text{PbTiO}_3$. <i>AIP Advances</i> , 2015, 5, 077127.	1.3	1
31	High pressure spectroscopic studies of phase transition in VO_2 . <i>AIP Conference Proceedings</i> , 2018, , .	0.4	1
32	Magnetic ordering in La-substituted $\text{BiFeO}_3\text{-PbTiO}_3$. , 2012, , .		0
33	Raman spectroscopic investigation of $\text{H}_3[\text{Co}(\text{CN})_6]$: An anharmonicity study. <i>AIP Conference Proceedings</i> , 2016, , .	0.4	0