Raneesh B

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/7207971/publications.pdf

Version: 2024-02-01

26	566	567281	610901
papers	citations	15 h-index	24 g-index

27	27	27	570
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A comparative study on structural, dielectric and multiferroic properties of CaFe2O4/BaTiO3 core-shell and mixed composites. Journal of Alloys and Compounds, 2017, 691, 644-652.	5.5	66
2	Electric, magnetic, piezoelectric and magnetoelectric studies of phase pure (BiFeO₃â€“NaNbO₃)â€“(P(VDF-TrFE)) nanocomposite films prepared by spin coating. RSC Advances, 2016, 6, 28069-28080.	3.6	50
3	Room temperature magnetoelectric coupling effect in CuFe2O4-BaTiO3 core-shell and nanocomposites. Journal of Alloys and Compounds, 2018, 731, 288-296.	5.5	50
4	Size dependent nonlinear optical absorption in BaTiO3 nanoparticles. Chemical Physics Letters, 2015, 625, 58-63.	2.6	42
5	Electric, magnetic and optical limiting (short pulse and ultrafast) studies in phase pure (1 â^') Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf method. RSC Advances, 2015, 5, 67157-67164.	3.6	31
6	Structural and magnetic properties of geometrically frustrated multiferroic ErMnO3 nanoparticles. Journal of Alloys and Compounds, 2013, 551, 654-659.	5.5	27
7	Effect of gamma radiation on the structural, dielectric and magnetoelectric properties of nanostructured hexagonal YMnO3. Radiation Physics and Chemistry, 2013, 89, 28-32.	2.8	27
8	Nonlinear optical absorption studies of solâ€“gel derived Yttrium Iron Garnet (Y3Fe5O12) nanoparticles by Z-scan technique. Ceramics International, 2012, 38, 1823-1826.	4.8	26
9	Magnetic performance and defect characterization studies of coreâ€“shell architectured MgFe₂O₄@BaTiO₃multiferroic nanostructures. Physical Chemistry Chemical Physics, 2019, 21, 8709-8720.	2.8	26
10	Enhanced magnetoelectric coupling and dielectric constant in flexible ternary composite electrospun fibers of PVDF-HFP loaded with nanoclay and NiFe₂O₄ nanoparticles. New Journal of Chemistry, 2020, 44, 11356-11364.	2.8	26
11	Grain size dependent magnetoelectric coupling of BaTiO₃ nanoparticles. RSC Advances, 2016, 6, 7886-7892.	3.6	25
12	Realization of Enhanced Magnetoelectric Coupling and Raman Spectroscopic Signatures in 0â€“0 Type Hybrid Multiferroic Coreâ€“Shell Geometric Nanostructures. Journal of Physical Chemistry C, 2017, 121, 4352-4362.	3.1	25
13	Cr3+-substitution induced structural reconfigurations in the nanocrystalline spinel compound ZnFe2O4 as revealed from X-ray diffraction, positron annihilation and MÃ¶ssbauer spectroscopic studies. RSC Advances, 2015, 5, 64966-64975.	3.6	22
14	Composition-structureâ€“physical property relationship and nonlinear optical properties of multiferroic hexagonal ErMn_{1â^'x}Cr_xO₃ nanoparticles. RSC Advances, 2015, 5, 12480-12487.	3.6	19
15	Magnetoelectric properties of multiferroic composites (1â^'x)ErMnO3â€“xY3Fe5O12 at room temperature. Journal of Alloys and Compounds, 2014, 611, 381-385.	5.5	18
16	Room temperature multiferroic properties of BiFeO3â€“MnFe2O4 nanocomposites. Ceramics International, 2021, 47, 15267-15276.	4.8	11
17	Hydrated metal salt and Y3Fe5O12â€“Na0.5K0.5NbO3-incorporated P(VDF-HFP) films: a promising combination of materials with multiferroic and energy harvesting properties. Journal of Materials Science, 2022, 57, 7653-7666.	3.7	11
18	Multiferroic and energy harvesting characteristics of P(VDF-TrFE)-CuFe2O4 flexible films. Polymer, 2022, 252, 124910.	3.8	11

#	Article	IF	Citations
19	Size-dependent thermal properties of multiferroic ErMnO3 nanoparticles using photopyroelectric technique. Journal of Alloys and Compounds, 2013, 579, 243-248.	5.5	10
20	Defect-focused analysis of calcium-substitution-induced structural transformation of magnesium ferrite nanocrystals. New Journal of Chemistry, 2020, 44, 1556-1570.	2.8	10
21	Nonlinear optical properties of (1â^'x) CaFe2O4â€“xBaTiO3 composites. Ceramics International, 2016, 42, 11093-11098.	4.8	9
22	Positron annihilation spectroscopic studies of Mn substitution-induced cubic to tetragonal transformation in ZnFe2â€“xMnxO4(xÂ=Â0.0â€“2.0) spinel nanocrystallites. Philosophical Magazine, 2015, 95, 4000-4022.	1.6	7
23	Defects characterisation and studies of structural properties of solâ€“gel synthesised MgFe2O4 nanocrystals through positron annihilation and supportive spectroscopic methods. Philosophical Magazine, 2020, 100, 32-61.	1.6	7
24	Magnetic response of superparamagnetic multiferroic core-shell nanostructures. AIP Conference Proceedings, 2016, , .	0.4	5
25	Al3Fe5O12 nanoparticles loaded electrospun PVDF fibres: An inorganic-organic material with multifunctional traits. Materials Chemistry and Physics, 2022, 282, 125977.	4.0	3
26	Interface engineered ferrite@ferroelectric core-shell nanostructures: A facile approach to impart superior magneto-electric coupling. AIP Conference Proceedings, 2018, , .	0.4	1