

Prasun Banerjee

List of Publications by Year in descending order

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papers

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759233

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53
all docs

53
docs citations

53
times ranked

489
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanoscale-driven single-domain structure in nickel substituted superparamagnetic cobalt ferrites. Solid State Communications, 2022, 341, 114560.	1.9	1
2	Tailoring the magnetic properties of Zn doped nickel, magnesium and cobalt ferrite ceramics. Materials Chemistry and Physics, 2022, 284, 126072.	4.0	4
3	Multilayer intercalation: MXene/cobalt ferrite electromagnetic wave absorbing two-dimensional materials. Journal of Physics and Chemistry of Solids, 2022, 168, 110797.	4.0	11
4	Intercalation of Nanoscale Multiferroic Spacers between the Two-Dimensional Interlayers of MXene. ACS Omega, 2022, 7, 20369-20375.	3.5	5
5	Effects of Y and Ni co-doping in Bi ₂ Fe ₄ O ₉ - BiFeO ₃ based multiferroic ceramics. Materials Today: Proceedings, 2021, 46, 4716-4719.	1.8	3
6	A Review on Metamaterials for Device Applications. Crystals, 2021, 11, 518.	2.2	18
7	A review on the origin of nanofibers/nanorods structures and applications. Journal of Materials Science: Materials in Medicine, 2021, 32, 68.	3.6	11
8	Metal-organic framework based materials and renewable energy. , 2021, , 153-166.		0
9	Insights into the Dielectric Loss Mechanism of Bianisotropic FeSi/SiC Composite Materials. ACS Omega, 2020, 5, 25968-25972.	3.5	12
10	Role of Ga presence into the heterojunction of metal oxide semiconductor on the stability and tunability ZnO ceramics. Ceramics International, 2020, 46, 23390-23396.	4.8	8
11	Stability of 2D and 3D Perovskites Due to Inhibition of Light-Induced Decomposition. Journal of Electronic Materials, 2020, 49, 7072-7084.	2.2	4
12	Role of Gd ³⁺ ions on the magnetic hyperthermic behavior of anisotropic CoFe ₂ O ₄ nanoparticles. Physica B: Condensed Matter, 2020, 587, 412140.	2.7	7
13	Effects of defect dipoles on the colossal permittivity of ambipolar co-doped rutile TiO_2 ceramics. Journal of Physics and Chemistry of Solids, 2020, 143, 109456.	4.0	7
14	A review on biological and biomimetic materials and their applications. Applied Physics A: Materials Science and Processing, 2020, 126, 1.	2.3	62
15	Advanced Ceramics for Microwave Absorber Applications. Frontiers in Ceramic Science, 2020, , 51-65.	0.0	0
16	Advanced Ceramics for Ferroelectric Devices. Frontiers in Ceramic Science, 2020, , 95-105.	0.0	0
17	Functional properties of Ho ³⁺ substituted cobalt ferrite in the context of the reduced mass model. Physica B: Condensed Matter, 2019, 575, 411676.	2.7	12
18	Structure and dielectric properties of $\text{Ba}_2\text{Cu}_x\text{Y}_{1-x}\text{TaO}_{6-y}$ double perovskite. SN Applied Sciences, 2019, 1, 1.	2.9	1

#	ARTICLE	IF	CITATIONS
19	Effect of ferrite phase addition on the functional properties of (K0.5Na0.5)NbO3ceramics. European Physical Journal Plus, 2019, 134, 1.	2.6	2
20	Investigation of Fe-doped room temperature dilute magnetic ZnO semiconductors. Materials Science in Semiconductor Processing, 2019, 96, 122-126.	4.0	26
21	Functional properties of donor- and acceptor-co-doped high dielectric constant zinc oxide ceramics. Physical Chemistry Chemical Physics, 2019, 21, 9456-9464.	2.8	35
22	Role of higher valent substituent on the dielectric and optical properties of Sr0.8Bi2.2Nb2O9 ceramics. Materials Chemistry and Physics, 2019, 225, 213-218.	4.0	17
23	Conducting Polymer-Derived Materials for Batteries. , 2019, , 65-78.		1
24	Surface Morphology Induced Inorganic Materials for Supercapacitors. , 2019, , 213-238.		1
25	Niobium Based Materials for Supercapacitors. , 2019, , 1-15.		0
26	Dielectric and magnetic properties of three-layers laminated ceramic composite, K0.5Na0.5NbO3/CoFe2O4/K0.5Na0.5NbO3. Journal of Materials Science: Materials in Electronics, 2018, 29, 4357-4364.	2.2	7
27	On the magnetic properties of the multiferroic ceramics Bi0.99Y0.01Fe1-xNixO3 (0.01 ≤ x ≤ 0.05). Journal of Magnetism and Magnetic Materials, 2018, 451, 620-624.	2.3	7
28	Colossal dielectric permittivity in Co-doped ZnO ceramics prepared by a pressure-less sintering method. Physical Chemistry Chemical Physics, 2018, 20, 28712-28719.	2.8	20
29	Hydrothermal synthesis of nickel doped cobalt ferrite nanoparticles: optical and magnetic properties. Journal of Materials Science: Materials in Electronics, 2018, 29, 14657-14667.	2.2	55
30	Effect of composition induced transition in the optical band-gap, dielectric and magnetic properties of Gd doped $(\text{Bi}_{0.99}\text{Y}_{0.01}\text{Fe}_{1-x}\text{Ni}_x\text{O}_3)$ (0.01 ≤ x ≤ 0.05). Journal of Alloys and Compounds, 2018, 764, 122-127.	5.5	35
31	Influence of Y and Co co-doping in the multiferroic behaviors of BiFeO3 ceramics. Journal of Materials Science: Materials in Electronics, 2017, 28, 8562-8568.	2.2	12
32	Substitution induced near phase transition with Maxwell-Wagner polarization in $\text{SrBi}_2(\text{Nb}_{1-x}\text{A}_x)_2\text{O}_9$ ceramics [A = W, Mo and x = 0, 0.025]. Physica Status Solidi (A) Applications and Materials Science, 2017, 214, 1700067.	1.8	15
33	Towards the Exploitation of Statistical Language Models for Sentiment Analysis of Twitter Posts. Lecture Notes in Computer Science, 2017, , 253-263.	1.3	3
34	Cronkhite-Canada Syndrome: A Rare Cause of Chronic Diarrhoea in a Young Man. Case Reports in Medicine, 2016, 2016, 1-4.	0.7	8
35	Enhanced dielectric and magnetic properties in multiferroic $(\text{Bi}_{0.99}\text{Y}_{0.01}\text{Fe}_{1-x}\text{Ni}_x\text{O}_3)$ (0.01 ≤ x ≤ 0.05). Journal of Materials Science: Materials in Electronics, 2017, 28, 8562-8568.	2.6	12
36	Rare earth and transition metal doped BiFeO3 ceramics: structural, magnetic and dielectric characterization. Journal of Materials Science: Materials in Electronics, 2016, 27, 6053-6059.	2.2	22

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37	Two Uncommon Causes of Guillain-Barré Syndrome: Hepatitis E and Japanese Encephalitis. Case Reports in Neurological Medicine, 2015, 2015, 1-4.	0.4	12
38	A Simple Method to Determine the Dielectric Constant of Small-Sized Medium-Loss Samples at X-Band Frequencies. International Journal of Electromagnetics and Applications, 2012, 1, 12-15.	0.1	4
39	Dielectric Properties of EVA Rubber Composites at Microwave Frequencies Theory, Instrumentation and Measurements. Journal of Microwave Power and Electromagnetic Energy, 2011, 45, 24-29.	0.8	9
40	Influence of External Light Waves on the Thermoelectric Power Under Strong Magnetic Field in Ultrathin Films, Quantum Wires and Quantum Dots of Optoelectronic Materials. Journal of Computational and Theoretical Nanoscience, 2010, 7, 1066-1084.	0.4	8
41	Influence of quantum confinement on the photoemission from superlattices of optoelectronic materials. Superlattices and Microstructures, 2010, 47, 377-410.	3.1	14
42	A system to measure dielectric constant and loss of liquids at microwave frequencies. , 2009, , .		7
43	Measurement of the dielectric constant of medium loss cylindrical-shaped samples using cavity perturbation method. , 2008, , .		6
44	A simple technique for the measurement of the permittivity of medium loss samples using cavity perturbation method. , 2007, , .		3
45	Materials under extreme pressure: combining theoretical and experimental techniques. European Physical Journal: Special Topics, 0, , 1.	2.6	1