

Prasun Banerjee

List of Publications by Year in descending order

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45
papers

515
citations

759233

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21
g-index

53
all docs

53
docs citations

53
times ranked

489
citing authors

#	ARTICLE	IF	CITATIONS
1	A review on biological and biomimetic materials and their applications. Applied Physics A: Materials Science and Processing, 2020, 126, 1.	2.3	62
2	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
3	Effect of composition induced transition in the optical band-gap, dielectric and magnetic properties of Gd doped $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll" \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mtext} \rangle \text{Na} \langle \text{mml:mtext} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mtext} \rangle \text{O}_{0.5} \langle \text{mml:mtext} \rangle \text{Mn}_{0.5} \langle \text{mml:mtext} \rangle \text{Fe}_2 \langle \text{mml:mtext} \rangle \text{O}_7$ ceramics. Journal of Alloys and Compounds, 2018, 764, 122-127.	5.5	35
4	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
5	Investigation of Fe-doped room temperature dilute magnetic ZnO semiconductors. Materials Science in Semiconductor Processing, 2019, 96, 122-126.	4.0	26
6	Rare earth and transition metal doped BiFeO ₃ ceramics: structural, magnetic and dielectric characterization. Journal of Materials Science: Materials in Electronics, 2016, 27, 6053-6059.	2.2	22
7	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
8	A Review on Metamaterials for Device Applications. Crystals, 2021, 11, 518.	2.2	18
9	Role of higher valent substituent on the dielectric and optical properties of Sr _{0.8} Bi ₂ .2Nb ₂ O ₉ ceramics. Materials Chemistry and Physics, 2019, 225, 213-218.	4.0	17
10	Substitution induced near phase transition with Maxwell-Wagner polarization in SrBi ₂ (Nb _{1-x} A _x) ₂ O ₉ ceramics [<i>A</i> = W, Mo and <i>x</i> = 0, 0.025]. Physica Status Solidi (A) Applications and Materials Science, 2017, 214, 1700067.	1.8	15
11	Influence of quantum confinement on the photoemission from superlattices of optoelectronic materials. Superlattices and Microstructures, 2010, 47, 377-410.	3.1	14
12	Two Uncommon Causes of Guillain-Barré Syndrome: Hepatitis E and Japanese Encephalitis. Case Reports in Neurological Medicine, 2015, 2015, 1-4.	0.4	12
13	Enhanced dielectric and magnetic properties in multiferroic $\langle \text{mml:math altimg="si0008.gif" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tbl="http://www.elsevier.com/xml/common/table/dtd" xmlns:tbl_struct="http://www.elsevier.com/xml/common/table-struct/dtd" \rangle$ BiFeO ₃ ceramics. Journal of Materials Science: Materials in Electronics, 2017, 28, 8562-8568.	2.6	12
14	Influence of Y and Co co-doping in the multiferroic behaviors of BiFeO ₃ ceramics. Journal of Materials Science: Materials in Electronics, 2017, 28, 8562-8568.	2.2	12
15	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
16	Insights into the Dielectric Loss Mechanism of Bianisotropic FeSi/SiC Composite Materials. ACS Omega, 2020, 5, 25968-25972.	3.5	12
17	A review on the origin of nanofibers/nanorods structures and applications. Journal of Materials Science: Materials in Medicine, 2021, 32, 68.	3.6	11
18	Multilayer intercalation: MXene/cobalt ferrite electromagnetic wave absorbing two-dimensional materials. Journal of Physics and Chemistry of Solids, 2022, 168, 110797.	4.0	11

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	Cronkhite-Canada Syndrome: A Rare Cause of Chronic Diarrhoea in a Young Man. Case Reports in Medicine, 2016, 2016, 1-4.	0.7	8
22	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
23	A system to measure dielectric constant and loss of liquids at microwave frequencies. , 2009, , .		7
24	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
25	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
26	Role of Gd ³⁺ ions on the magnetic hyperthermic behavior of anisotropic CoFe2O4 nanoparticles. Physica B: Condensed Matter, 2020, 587, 412140.	2.7	7
27	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
28	Measurement of the dielectric constant of medium loss cylindrical-shaped samples using cavity perturbation method. , 2008, , .		6
29	Intercalation of Nanoscale Multiferroic Spacers between the Two-Dimensional Interlayers of MXene. ACS Omega, 2022, 7, 20369-20375.	3.5	5
30	Stability of 2D and 3D Perovskites Due to Inhibition of Light-Induced Decomposition. Journal of Electronic Materials, 2020, 49, 7072-7084.	2.2	4
31	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
32	Tailoring the magnetic properties of Zn doped nickel, magnesium and cobalt ferrite ceramics. Materials Chemistry and Physics, 2022, 284, 126072.	4.0	4
33	A simple technique for the measurement of the permittivity of medium loss samples using cavity perturbation method. , 2007, , .		3
34	Effects of Y and Ni co-doping in Bi2Fe4O9 - BiFeO3 based multiferroic ceramics. Materials Today: Proceedings, 2021, 46, 4716-4719.	1.8	3
35	Towards the Exploitation of Statistical Language Models for Sentiment Analysis of Twitter Posts. Lecture Notes in Computer Science, 2017, , 253-263.	1.3	3
36	Effect of ferrite phase addition on the functional properties of (K0.5Na0.5)NbO3ceramics. European Physical Journal Plus, 2019, 134, 1.	2.6	2

#	ARTICLE	IF	CITATIONS
37	Structure and dielectric properties of $\text{Ba}_{2-x}\text{Cu}_x\text{Y}_{1-x}\text{TaO}_{6-y}$ double perovskite. SN Applied Sciences, 2019, 1, 1.	2.9	1
38	Conducting Polymer-Derived Materials for Batteries. , 2019, , 65-78.		1
39	Surface Morphology Induced Inorganic Materials for Supercapacitors. , 2019, , 213-238.		1
40	Nanoscale-driven single-domain structure in nickel substituted superparamagnetic cobalt ferrites. Solid State Communications, 2022, 341, 114560.	1.9	1
41	Materials under extreme pressure: combining theoretical and experimental techniques. European Physical Journal: Special Topics, 0, , 1.	2.6	1
42	Metal-organic framework-based materials and renewable energy. , 2021, , 153-166.		0
43	Niobium Based Materials for Supercapacitors. , 2019, , 1-15.		0
44	Advanced Ceramics for Microwave Absorber Applications. Frontiers in Ceramic Science, 2020, , 51-65.	0.0	0
45	Advanced Ceramics for Ferroelectric Devices. Frontiers in Ceramic Science, 2020, , 95-105.	0.0	0