

# Dipankar Chakravorty

## List of Publications by Year in descending order

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69  
papers

947  
citations

471509

17  
h-index

552781

26  
g-index

70  
all docs

70  
docs citations

70  
times ranked

1237  
citing authors

#	ARTICLE	IF	CITATIONS
1	Crossover of positive and negative magnetoconductance in composites of nanosilica glass containing dual transition metal oxides. RSC Advances, 2021, 11, 16106-16121.	3.6	11
2	Stimuli-responsive coating by simple physical blending route. Ceramics International, 2021, 47, 26357-26365.	4.8	4
3	Magnetodielectric behaviour of composites of NiO-SiO <sub>2</sub> nanoglass and mesoporous silica SBA-15. Journal of Non-Crystalline Solids, 2021, 569, 120997.	3.1	11
4	Studies on nanoconfinement effect of NiO-SiO <sub>2</sub> spin glass within mesoporous Al <sub>2</sub> O <sub>3</sub> template. Journal of Alloys and Compounds, 2021, 887, 161447.	5.5	14
5	Effect of Microstructure on Ionic Transport in Silica-Based Sodium Containing Nanoconfined Systems and Their Electrochemical Performance as Electrodes. Journal of Physical Chemistry C, 2020, 124, 21155-21169.	3.1	11
6	Large magnetodielectric effect and negative magnetoresistance in NiO nanoparticles at room temperature. RSC Advances, 2020, 10, 13708-13716.	3.6	23
7	Giant Dielectric Constant of Copper Nanowires/Amorphous SiO <sub>2</sub> Composite Thin Films for Supercapacitor Application. ACS Omega, 2020, 5, 12421-12430.	3.5	16
8	Composites of nanodimensional glass in the system Na <sub>2</sub> O-SiO <sub>2</sub> /Mesoporous silica and their high ionic conductivity. Journal of Physics and Chemistry of Solids, 2020, 142, 109470.	4.0	11
9	Large ionic conductivity and relaxation studies of lithium silicate nanoglasses grown into TiO <sub>2</sub> nanoparticles. Journal of Non-Crystalline Solids, 2020, 544, 120175.	3.1	1
10	Enhanced ionic conduction in nanodimensional lithium borosilicate glass confined within mesoporous alumina. AIP Conference Proceedings, 2020, , .	0.4	2
11	Room temperature magnetodielectric effect in composites of cobalt containing silica based nanoglass and mesoporous alumina. AIP Conference Proceedings, 2020, , .	0.4	2
12	Giant magnetodielectric effect in composites of nanodimensional spin glass of system CoO-SiO <sub>2</sub> and mesoporous silica SBA-15. Journal of Magnetism and Magnetic Materials, 2019, 491, 165633.	2.3	13
13	Rice-Bernasconi Gorkov-Eliashberg Effect of Giant Dielectric Permittivity in Silica-Based Films Containing Interrupted Silver Nanowires. Transactions of the Indian Institute of Metals, 2019, 72, 1963-1969.	1.5	9
14	Epichlorohydrin functionalized graphene oxide for superior Li <sup>+</sup> ion conduction and supercapacitor application. Materials Chemistry and Physics, 2019, 223, 447-455.	4.0	7
15	Synthesis of multilayered structure of nano-dimensional silica glass/reduced graphene oxide for advanced electrochemical applications. Nanoscale, 2018, 10, 5539-5549.	5.6	18
16	Synthesis of lithium superionic conductor by growth of a nanoglass within mesoporous silica SBA-15 template. Journal Physics D: Applied Physics, 2018, 51, 135301.	2.8	9
17	Giant dielectric permittivity in interrupted silver nanowires grown within mesoporous silica. Journal Physics D: Applied Physics, 2018, 51, 245301.	2.8	12
18	Na <sup>+</sup> ion migration on the surface of reduced graphene oxide. Journal Physics D: Applied Physics, 2018, 51, 325301.	2.8	1

#	ARTICLE	IF	CITATIONS
19	Ionic conductivity of sodium silicate glasses grown within confined volume of mesoporous silica template. AIP Conference Proceedings, 2018, , .	0.4	3
20	NiO Nanoparticle Synthesis Using a Triblock Copolymer: Enhanced Magnetization and High Specific Capacitance of Electrodes Prepared from the Powder. ACS Omega, 2017, 2, 283-289.	3.5	28
21	Large magnetodielectric effect in composites of Fe <sub>2</sub> O <sub>3</sub> -SiO <sub>2</sub> nanoglass and mesoporous silica. Journal Physics D: Applied Physics, 2016, 49, 255001.	2.8	2
22	Piezomagnetic behaviour in $\gamma$ -Fe <sub>2</sub> O <sub>3</sub> nanofilms grown within nanochannels of Na-4 mica. Journal of Magnetism and Magnetic Materials, 2016, 402, 64-68.	2.3	2
23	A brief review on graphene/inorganic nanostructure composites: materials for the future. Indian Journal of Physics, 2016, 90, 1019-1032.	1.8	27
24	Fast Ion Conduction in Nanodimensional Lithium Silicate Glasses. Journal of Physical Chemistry C, 2016, 120, 431-436.	3.1	12
25	1,5-Crown Functionalized Graphene Oxide for 2D Graphene-Based Li <sup>+</sup> Ion Conductor. Small, 2015, 11, 3451-3457.	10.0	16
26	Reduced graphene oxide synthesis by high energy ball milling. Materials Chemistry and Physics, 2015, 161, 123-129.	4.0	34
27	Enhancement of electrical conductivity in CoO-SiO <sub>2</sub> nanoglasses and large magnetodielectric effect in ZnO-nanoglass composites. Journal of Applied Physics, 2015, 117, .	2.5	8
28	Study of dielectric relaxation process in nanocomposite of Li <sub>2</sub> O-SiO <sub>2</sub> nanoglass-CuO nanoparticles. , 2014, , .		1
29	Exchange bias effect in composites of cuo nanoparticles and nanosilica glass. Journal of Magnetism and Magnetic Materials, 2014, 355, 184-187.	2.3	5
30	Magnetodielectric effect in Ni <sup>0.5</sup> Zn <sup>0.5</sup> Fe <sub>2</sub> O <sub>4</sub> -BaTiO <sub>3</sub> nanocomposites. Bulletin of Materials Science, 2014, 37, 497-504.	1.7	18
31	Enhancement of ionic conductivity in Li <sub>2</sub> O-SiO <sub>2</sub> glass in nanodimensions grown within pellets of ZnO nanorods and magnetodielectric properties of these nanocomposites. Journal of Non-Crystalline Solids, 2013, 376, 12-17.	3.1	17
32	Exchange bias effect in nickel zinc ferrite-mesoporous silica nanocomposites. Journal of Magnetism and Magnetic Materials, 2013, 332, 98-102.	2.3	6
33	Tunneling conduction in graphene/(poly)vinyl alcohol composite. Journal of Applied Physics, 2013, 113, .	2.5	20
34	Observation of spin-glass behavior in nickel adsorbed few layer graphene. Journal of Applied Physics, 2013, 113, 024307.	2.5	14
35	Synthesis and Raman studies of wurtzite CdS nanosheets. , 2012, , .		1
36	Magnetodielectric effect of CuO grown within highly ordered two dimensional mesoporous silica template SBA 15. Journal of Applied Physics, 2012, 112, 074310.	2.5	5

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37	Magnetic and dielectric properties of sol-gel derived nanoparticles of double perovskite Y <sub>2</sub> NiMnO <sub>6</sub> . Journal of Applied Physics, 2012, 112, .	2.5	27
38	Multifunctional behaviour of mesoporous LiNbO <sub>3</sub> . Journal of Applied Physics, 2012, 111, .	2.5	11
39	Ferromagnetic-Like Behavior in Nanosilica Glass Containing Iron Ions and Giant Magnetodielectric Effect in Composites of these Glasses with Mesoporous Silica. Journal of Physical Chemistry C, 2012, 116, 21679-21684.	3.1	4
40	Large magnetodielectric effect in nickel zinc ferrite–lithium niobate nanocomposite. Chemical Physics Letters, 2012, 541, 96-100.	2.6	4
41	Magnetodielectric effect in CdS nanosheets grown within Na-4 mica. Journal of Applied Physics, 2012, 111, 074303.	2.5	7
42	Magnetodielectric effect in composites of nanodimensional glass and CuO nanoparticles. Journal of Magnetism and Magnetic Materials, 2012, 324, 4073-4077.	2.3	8
43	Multifunctional Mesoporous Nanocomposites. Materials Science Forum, 2012, 736, 98-119.	0.3	2
44	Magneto-dielectric effect in Pb(Zr <sub>0.52</sub> Ti <sub>0.48</sub> )O <sub>3</sub> filled nanoporous Ni <sub>0.5</sub> Zn <sub>0.5</sub> Fe <sub>2</sub> O <sub>4</sub> composite. Bulletin of Materials Science, 2012, 35, 919-924.	1.7	1
45	Multiphonon scattering and photoluminescence of two dimensional ZnS nanosheets grown within Na-4 mica. Journal of Applied Physics, 2012, 112, .	2.5	7
46	Giant magnetocapacitance effect in nickel zinc ferrite impregnated mesoporous silica. Materials Letters, 2012, 79, 65-68.	2.6	9
47	Enhanced magnetic anisotropy of nickel nanosheet prepared in Na-4 mica. Journal of Magnetism and Magnetic Materials, 2012, 324, 2452-2457.	2.3	2
48	Multiferroic properties of NiS nanoplates grown within Na-4 mica. Journal of Magnetism and Magnetic Materials, 2012, 324, 2861-2865.	2.3	8
49	Nanostructured Multiferroics. Transactions of the Indian Ceramic Society, 2011, 70, 53-64.	1.0	16
50	Ferromagnetic Behavior of Ultrathin Manganese Nanosheets. Journal of Physical Chemistry C, 2011, 115, 14673-14677.	3.1	7
51	Magnetodielectric Effect in Graphene-PVA Nanocomposites. Journal of Physical Chemistry C, 2011, 115, 14285-14289.	3.1	39
52	Multiferroic behavior in glass–crystal nanocomposites containing Te <sub>2</sub> NiMnO <sub>6</sub> . Journal of Alloys and Compounds, 2011, 509, 6056-6060.	5.5	3
53	Multiferroic Behavior in Composites of Nickel–Exchanged Glass Containing Nanoparticles of Barium Titanate. Journal of the American Ceramic Society, 2011, 94, 3006-3011.	3.8	1
54	Multiferroic behaviour of nanoporous BaTiO <sub>3</sub> . Journal of Applied Physics, 2011, 110, .	2.5	32

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55	Template based growth of nanoscaled films: a brief review. Indian Journal of Physics, 2011, 85, 649-666.	1.8	53
56	Surface optical Raman modes in GaN nanoribbons. Journal of Raman Spectroscopy, 2011, 42, 429-433.	2.5	30
57	Magnetodielectric effect in Co <sub>3</sub> O <sub>4</sub> nanoparticles grown within a silica glass. Journal of Magnetism and Magnetic Materials, 2011, 323, 864-867.	2.3	14
58	Nanoglass in lithia-silica system grown within pores of pellets comprising CuO nanoparticles. Solid State Ionics, 2011, 186, 14-19.	2.7	19
59	Wet chemical route to transparent BiFeO <sub>3</sub> films on SiO <sub>2</sub> substrates. Thin Solid Films, 2010, 518, 4071-4075.	1.8	24
60	Magnetodielectric properties of nanodisc bismuth ferrite grown within Na-4 mica nanochannels. Journal of Applied Physics, 2010, 108, .	2.5	8
61	Magnetodielectric effect in nickel nanosheet-Na-4 mica composites. Europhysics Letters, 2010, 92, 26003.	2.0	13
62	Growth of two-dimensional GaN in Na-4 mica nanochannels. Journal Physics D: Applied Physics, 2009, 42, 235504.	2.8	15
63	Metal-semiconductor nanojunctions and their rectification characteristics. Bulletin of Materials Science, 2009, 32, 227-230.	1.7	2
64	Exchange bias in ferrimagnetic-antiferromagnetic nanocomposite produced by mechanical attrition. Journal of Magnetism and Magnetic Materials, 2009, 321, 2269-2275.	2.3	22
65	Synthesis of nanocrystalline YFeO <sub>3</sub> and its magnetic properties. Journal of Magnetism and Magnetic Materials, 2009, 321, 3274-3277.	2.3	89
66	Synthesis of two-dimensional metallic silver using sodium beta-alumina crystal channels. Journal of Non-Crystalline Solids, 2009, 355, 1448-1452.	3.1	6
67	Multiferroic behavior in silicate glass nanocomposite having a core-shell microstructure. Journal of Non-Crystalline Solids, 2009, 355, 2254-2259.	3.1	22
68	Resistivity Hysteresis of Ag <sub>2</sub> S Nanocomposites. Journal of Physical Chemistry C, 2007, 111, 13410-13413.	3.1	18
69	Electrical and magnetic properties of cold compacted iron-doped zinc sulfide nanoparticles synthesized by wet chemical method. Chemical Physics Letters, 2007, 444, 319-323.	2.6	30