

# Sreemanta Mitra

## List of Publications by Year in descending order

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30  
papers

466  
citations

840776

11  
h-index

713466

21  
g-index

30  
all docs

30  
docs citations

30  
times ranked

760  
citing authors

#	ARTICLE	IF	CITATIONS
1	Evidence for a Finite-Temperature Insulator. <i>Scientific Reports</i> , 2015, 5, 13503.	3.3	84
2	Template based growth of nanoscaled films: a brief review. <i>Indian Journal of Physics</i> , 2011, 85, 649-666.	1.8	53
3	Magnetodielectric Effect in Graphene-PVA Nanocomposites. <i>Journal of Physical Chemistry C</i> , 2011, 115, 14285-14289.	3.1	39
4	Reduced graphene oxide synthesis by high energy ball milling. <i>Materials Chemistry and Physics</i> , 2015, 161, 123-129.	4.0	34
5	A brief review on graphene/inorganic nanostructure composites: materials for the future. <i>Indian Journal of Physics</i> , 2016, 90, 1019-1032.	1.8	27
6	Probing the superconducting gap symmetry of $\text{PdBi}$ penetration depth study. <i>Physical Review B</i> , 2017, 95, <a href="http://www.w3.org/1998/Math/MathML">www.w3.org/1998/Math/MathML</a>	3.2	28
7	Plateau and Antiferromagnetic Phases in the Shastry-Sutherland Magnet $\text{TmB}_4$ . <i>Physical Review Letters</i> , 2018, 121, 167203.	7.8	22
8	Tunneling conduction in graphene/(poly)vinyl alcohol composite. <i>Journal of Applied Physics</i> , 2013, 113, .	2.5	20
9	Observation of spin-glass behavior in nickel adsorbed few layer graphene. <i>Journal of Applied Physics</i> , 2013, 113, 024307.	2.5	14
10	Magnetodielectric effect in nickel nanosheet-Na-4 mica composites. <i>Europhysics Letters</i> , 2010, 92, 26003.	2.0	13
11	Graphene- $\text{WS}_2$ van der Waals Hybrid Heterostructure for Photodetector and Memory Device Applications. <i>Physical Review Applied</i> , 2020, 14, .	3.8	13
12	Tailoring light-matter interaction in $\text{WS}_2$ "gold nanoparticles hybrid systems. <i>Physical Review B</i> , 2019, 100, .	3.2	11
13	Nonequilibrium Second-Order Phase Transition in a Cooper-Pair Insulator. <i>Physical Review Letters</i> , 2016, 116, 057001.	7.8	10
14	Quadratic to linear magnetoresistance tuning in $\text{TmB}_4$ . <i>Physical Review B</i> , 2019, 99, .	3.2	10
15	Tailoring phonon modes of few-layered $\text{MoS}_2$ by in-plane electric field. <i>Npj 2D Materials and Applications</i> , 2020, 4, .	7.9	10
16	Interlayer Charge Transfer and Photodetection Efficiency of Graphene-Transition-Metal-Dichalcogenide Heterostructures. <i>Physical Review Applied</i> , 2022, 17, .	3.8	9
17	Multiferroic properties of NiS nanoplates grown within Na-4 mica. <i>Journal of Magnetism and Magnetic Materials</i> , 2012, 324, 2861-2865.	2.3	8
18	Dimensional crossover in the quasi-one-dimensional superconductor $\text{Tl}$ . <i>Physical Review B</i> , 2018, 98, .	2.2	8

#	ARTICLE	IF	CITATIONS
19	Ferromagnetic Behavior of Ultrathin Manganese Nanosheets. Journal of Physical Chemistry C, 2011, 115, 14673-14677.	3.1	7
20	Magnetodielectric effect in CdS nanosheets grown within Na-4 mica. Journal of Applied Physics, 2012, 111, 074303.	2.5	7
21	Multiphonon scattering and photoluminescence of two dimensional ZnS nanosheets grown within Na-4 mica. Journal of Applied Physics, 2012, 112, .	2.5	7
22	Nanoindentation studies on silver nanoparticles. , 2013, , .		7
23	Negative Magnetoresistance in Amorphous Indium Oxide Wires. Scientific Reports, 2016, 6, 37687.	3.3	6
24	Dielectric relaxation studies on two-dimensional nanocomposites of NiS and Na-4 mica. Indian Journal of Physics, 2013, 87, 977-981.	1.8	5
25	Non-linear temperature variation of resistivity in graphene/silicate glass nanocomposite. Journal Physics D: Applied Physics, 2013, 46, 375306.	2.8	5
26	Multifunctionality in graphene decorated with cobalt nanorods. Materials and Design, 2016, 101, 204-209.	7.0	5
27	Finite-size effects in amorphous indium oxide. Physical Review B, 2016, 93, .	3.2	4
28	Enhanced magnetic anisotropy of nickel nanosheet prepared in Na-4 mica. Journal of Magnetism and Magnetic Materials, 2012, 324, 2452-2457.	2.3	2
29	Viscoelastic properties of graphene/PVA nanocomposite. , 2013, , .		2
30	Probing dipole and quadrupole resonance mode in non-plasmonic nanowire using Raman spectroscopy. Nanotechnology, 2020, 31, 425201.	2.6	1