

# Sreemanta Mitra

## List of Publications by Year in descending order

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30  
papers

466  
citations

840776

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713466

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times ranked

760  
citing authors

#	ARTICLE	IF	CITATIONS
1	Interlayer Charge Transfer and Photodetection Efficiency of Graphene-Transition-Metal-Dichalcogenide Heterostructures. <i>Physical Review Applied</i> , 2022, 17, .	3.8	9
2	Graphene- $WS_2$ van der Waals Hybrid Heterostructure for Photodetector and Memory Device Applications. <i>Physical Review Applied</i> , 2020, 14, .	3.8	13
3	Tailoring phonon modes of few-layered MoS <sub>2</sub> by in-plane electric field. <i>Npj 2D Materials and Applications</i> , 2020, 4, .	7.9	10
4	Probing dipole and quadrupole resonance mode in non-plasmonic nanowire using Raman spectroscopy. <i>Nanotechnology</i> , 2020, 31, 425201.	2.6	1
5	Tailoring light-matter interaction in WS <sub>2</sub> "gold nanoparticles hybrid systems. <i>Physical Review B</i> , 2019, 100, .	3.2	11
6	Quadratic to linear magnetoresistance tuning in $TmB_4$ . <i>Physical Review B</i> , 2019, 99, .	7.8	22
7	Plateau and Antiferromagnetic Phases in the Shastry-Sutherland Magnet $TmB_4$ . <i>Physical Review B</i> , 2018, 98, .	3.2	23
8	Dimensional crossover in the quasi-one-dimensional superconductor $Tl_2BaCuO_{4-x}$ . <i>Physical Review B</i> , 2018, 98, .	3.3	6
9	Probing the superconducting gap symmetry of $PdBi_2$ : A penetration depth study. <i>Physical Review B</i> , 2017, 95, .	7.0	5
10	Negative Magnetoresistance in Amorphous Indium Oxide Wires. <i>Scientific Reports</i> , 2016, 6, 37687.	3.2	4
11	Multifunctionality in graphene decorated with cobalt nanorods. <i>Materials and Design</i> , 2016, 101, 204-209.	7.8	10
12	Finite-size effects in amorphous indium oxide. <i>Physical Review B</i> , 2016, 93, .	1.8	27
13	Nonequilibrium Second-Order Phase Transition in a Cooper-Pair Insulator. <i>Physical Review Letters</i> , 2016, 116, 057001.	3.3	84
14	A brief review on graphene/inorganic nanostructure composites: materials for the future. <i>Indian Journal of Physics</i> , 2016, 90, 1019-1032.	4.0	34
15	Evidence for a Finite-Temperature Insulator. <i>Scientific Reports</i> , 2015, 5, 13503.	3.3	2
16	Reduced graphene oxide synthesis by high energy ball milling. <i>Materials Chemistry and Physics</i> , 2015, 161, 123-129.	1.8	5
17	Viscoelastic properties of graphene/PVA nanocomposite. , 2013, , .		
18	Dielectric relaxation studies on two-dimensional nanocomposites of NiS and Na-4 mica. <i>Indian Journal of Physics</i> , 2013, 87, 977-981.		

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19	Non-linear temperature variation of resistivity in graphene/silicate glass nanocomposite. Journal Physics D: Applied Physics, 2013, 46, 375306.	2.8	5
20	Tunneling conduction in graphene/(poly)vinyl alcohol composite. Journal of Applied Physics, 2013, 113, .	2.5	20
21	Nanoindentation studies on silver nanoparticles. , 2013, , .		7
22	Observation of spin-glass behavior in nickel adsorbed few layer graphene. Journal of Applied Physics, 2013, 113, 024307.	2.5	14
23	Magnetodielectric effect in CdS nanosheets grown within Na-4 mica. Journal of Applied Physics, 2012, 111, 074303.	2.5	7
24	Multiphonon scattering and photoluminescence of two dimensional ZnS nanosheets grown within Na-4 mica. Journal of Applied Physics, 2012, 112, .	2.5	7
25	Enhanced magnetic anisotropy of nickel nanosheet prepared in Na-4 mica. Journal of Magnetism and Magnetic Materials, 2012, 324, 2452-2457.	2.3	2
26	Multiferroic properties of NiS nanoplates grown within Na-4 mica. Journal of Magnetism and Magnetic Materials, 2012, 324, 2861-2865.	2.3	8
27	Ferromagnetic Behavior of Ultrathin Manganese Nanosheets. Journal of Physical Chemistry C, 2011, 115, 14673-14677.	3.1	7
28	Magnetodielectric Effect in Graphene-PVA Nanocomposites. Journal of Physical Chemistry C, 2011, 115, 14285-14289.	3.1	39
29	Template based growth of nanoscaled films: a brief review. Indian Journal of Physics, 2011, 85, 649-666.	1.8	53
30	Magnetodielectric effect in nickel nanosheet-Na-4 mica composites. Europhysics Letters, 2010, 92, 26003.	2.0	13