

Joy Mitra

List of Publications by Year in descending order

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34
papers

993
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567281

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citing authors

#	ARTICLE	IF	CITATIONS
1	Tailoring Infrared Absorption and Thermal Emission with Ultrathin Film Interferences in Epsilon-Near-Zero Media. <i>Advanced Photonics Research</i> , 2022, 3, .	3.6	3
2	Tailoring Infrared Absorption and Thermal Emission with Ultrathin Film Interferences in Epsilon-Near-Zero Media. <i>Advanced Photonics Research</i> , 2022, 3, .	3.6	6
3	Enhancement of Photoacoustic Signal Strength with Continuous Wave Optical Pre-Illumination: A Non-Invasive Technique. <i>Sensors</i> , 2021, 21, 1190.	3.8	10
4	Controlling the macroscopic electrical properties of reduced graphene oxide by nanoscale writing of electronic channels. <i>Nanotechnology</i> , 2021, 32, 175202.	2.6	1
5	Selective Enhancement in Phonon Scattering Leads to a High Thermoelectric Figure-of-Merit in Graphene Oxide-Encapsulated ZnO Nanocomposites. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 23771-23786.	8.0	34
6	Thickness induced metal to insulator charge transport and unusual hydrogen response in granular palladium nanofilms. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 27861-27872.	2.8	5
7	Interaction of ZnO nanorods with plasmonic metal nanoparticles and semiconductor quantum dots. <i>Journal of Chemical Physics</i> , 2020, 152, 064704.	3.0	10
8	Epsilon-near-zero response in indium tin oxide thin films: Octave span tuning and IR plasmonics. <i>Journal of Applied Physics</i> , 2020, 127, .	2.5	26
9	Negative photoresponse in ZnO/PEDOT:PSS nanocomposites and photogating effects. <i>Nanoscale Advances</i> , 2019, 1, 2435-2443.	4.6	12
10	Resistive switching in individual ZnO nanorods: delineating the ionic current by photo-stimulation. <i>Nanotechnology</i> , 2018, 29, 105701.	2.6	8
11	Scanning tunnelling microscope light emission: Finite temperature current noise and over cut-off emission. <i>Scientific Reports</i> , 2017, 7, 3530.	3.3	14
12	Novel routes to electromagnetic enhancement and its characterisation in surface- and tip-enhanced Raman scattering. <i>Faraday Discussions</i> , 2017, 205, 121-148.	3.2	4
13	EB1 regulates attachment of Ska1 with microtubules by forming extended structures on the microtubule lattice. <i>Nature Communications</i> , 2016, 7, 11665.	12.8	31
14	Spatially resolved photoresponse on individual ZnO nanorods: correlating morphology, defects and conductivity. <i>Scientific Reports</i> , 2016, 6, 28468.	3.3	19
15	Scanning tunneling microscope light emission: Effect of the strong dc field on junction plasmons. <i>Physical Review B</i> , 2016, 94, .	3.2	14
16	Zn interstitials and O vacancies responsible for n-type ZnO: what do the emission spectra reveal?. <i>RSC Advances</i> , 2015, 5, 23540-23547.	3.6	146
17	An alternative methodology in Schottky diode physics. <i>Journal of Applied Physics</i> , 2015, 117, .	2.5	6
18	Unusual photoresponse of indium doped ZnO/organic thin film heterojunction. <i>Applied Physics Letters</i> , 2012, 100, .	3.3	62

#	ARTICLE	IF	CITATIONS
19	One-step synthesis of ZnO nanosheets: a blue-white fluorophore. <i>Nanoscale Research Letters</i> , 2012, 7, 470.	5.7	317
20	Composites of poly(ϵ -caprolactone) and MoS_2 Nanowires. <i>Polymers for Advanced Technologies</i> , 2012, 23, 149-160.	3.2	17
21	High sensitivity (1 ppm) hydrogen detection using an unconventional Pd/n-InP Schottky device. <i>Journal of Physics Condensed Matter</i> , 2011, 23, 422201.	1.8	2
22	The electrical characterization and response to hydrogen of Schottky diodes with a resistive metal electrode—rectifying an oversight in Schottky diode investigation. <i>Journal Physics D: Applied Physics</i> , 2011, 44, 125101.	2.8	3
23	Infrared emission from tunneling electrons: The end of the rainbow in scanning tunneling microscopy. <i>Applied Physics Letters</i> , 2009, 94, .	3.3	22
24	The tip—sample water bridge and light emission from scanning tunnelling microscopy. <i>Nanotechnology</i> , 2009, 20, 335202.	2.6	24
25	Electromagnetic interaction between a metallic nanoparticle and surface in tunnelling proximity—modelling and experiment. <i>Journal Physics D: Applied Physics</i> , 2009, 42, 215101.	2.8	13
26	Very low frequency resistance fluctuations in thin films of $\text{La}_{0.67}\text{Ca}_{0.33}\text{MnO}_3$ with quenched disorder. <i>Physical Review B</i> , 2008, 78, .	3.2	3
27	Non-linear electronic transport in Pt nanowires deposited by focused ion beam. <i>Nanotechnology</i> , 2007, 18, 215203.	2.6	28
28	Photon Emission at Step Edges of Single Crystalline Gold Surfaces Investigated by Scanning Tunnelling Microscopy. <i>Japanese Journal of Applied Physics</i> , 2006, 45, 2119-2123.	1.5	5
29	Temperature dependence of the gap in the density of states near the Fermi level in a hole doped manganite. <i>Solid State Communications</i> , 2005, 136, 410-415.	1.9	2
30	Temperature dependence of density of states near the Fermi level in a strain-free epitaxial film of the hole-doped manganite $\text{La}_{0.7}\text{Ca}_{0.3}\text{MnO}_3$. <i>Physical Review B</i> , 2005, 71, .	3.2	39
31	Growth of oriented films of $\text{La}_{0.67}\text{Ca}_{0.33}\text{MnO}_3$ and $\text{La}_{0.67}\text{Sr}_{0.33}\text{MnO}_3$ on SrTiO_3 using chemical solution deposition. <i>Journal Physics D: Applied Physics</i> , 2004, 37, 1548-1553.	2.8	28
32	Nonlinear electrical transport through artificial grain-boundary junctions in $\text{La}_{0.7}\text{Ca}_{0.3}\text{MnO}_3$ epitaxial thin films. <i>Physical Review B</i> , 2003, 68, .	3.2	46
33	Depletion of the density of states at the Fermi level in metallic colossal magnetoresistive manganites. <i>Physical Review B</i> , 2003, 68, .	3.2	25
34	Point-contact spectroscopy of single crystal $\text{La}_{0.75}\text{Sr}_{0.25}\text{MnO}_3$ and resistivity due to electron-phonon interaction. <i>Physical Review B</i> , 2002, 65, .	3.2	8