

Prasanna Kumar Mondal

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

236
citations

1163117

8
h-index

996975

15
g-index

18
all docs

18
docs citations

18
times ranked

356
citing authors

#	ARTICLE	IF	CITATIONS
1	DNA-Mediated Wirelike Clusters of Silver Nanoparticles: An Ultrasensitive SERS Substrate. ACS Applied Materials & Interfaces, 2013, 5, 7798-7807.	8.0	97
2	Direct Observation of Coupling between Structural Fluctuation and Ultrafast Hydration Dynamics of Fluorescent Probes in Anionic Micelles. Journal of Physical Chemistry B, 2015, 119, 10849-10857.	2.6	34
3	Ultrafast FRET at fiber tips: Potential applications in sensitive remote sensing of molecular interaction. Sensors and Actuators B: Chemical, 2015, 210, 381-388.	7.8	17
4	Study of low frequency acoustic signals from superheated droplet detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2013, 729, 182-187.	1.6	16
5	Photoluminescence modulation due to conversion of trions to excitons and plasmonic interaction in MoS ₂ -metal NPs hybrid structures. Journal of Alloys and Compounds, 2017, 723, 722-728.	5.5	16
6	Tailoring light-matter interaction in WS ₂ @ gold nanoparticles hybrid systems. Physical Review B, 2019, 100, .	3.2	11
7	Direct Observation of Kinetic Pathways of Biomolecular Recognition. Chemistry - A European Journal, 2015, 21, 16172-16177.	3.3	10
8	An active device for volumetric measurement of drop nucleation in a superheated emulsion detector. Measurement Science and Technology, 2008, 19, 105802.	2.6	8
9	Characterization of R-134a superheated droplet detector for neutron detection. Applied Radiation and Isotopes, 2014, 90, 1-7.	1.5	8
10	Characteristics of acoustic emissions during nucleation of superheated droplets. Physics Letters, Section A: General, Atomic and Solid State Physics, 2011, 375, 237-244.	2.1	7
11	Study of acoustic emission due to vaporisation of superheated droplets at higher pressure. Physics Letters, Section A: General, Atomic and Solid State Physics, 2017, 381, 2531-2537.	2.1	5
12	Study of gamma ray response of R404A superheated droplet detector using a two-state model. Applied Radiation and Isotopes, 2013, 77, 61-67.	1.5	4
13	Response of Superheated Droplet Detector (SDD) and Bubble Detector (BD) to interrupted irradiations. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2017, 857, 111-114.	1.6	1
14	The gamma ray detection threshold temperature of different superheated droplet detectors. Applied Radiation and Isotopes, 2018, 139, 127-130.	1.5	1
15	Evaluation of neutron contamination in ²⁴¹ Am gamma-ray source. Radiation Measurements, 2018, 119, 1-5.	1.4	1
16	An alternative method for the measurement of neutron flux. Pramana - Journal of Physics, 2015, 85, 685-690.	1.8	0
17	Note: A new optical method for the detection of bubble nucleation in superheated droplet detector. Review of Scientific Instruments, 2017, 88, 066106.	1.3	0
18	Lattice dynamics of Ge _{1-x} Sn _x alloy nanowires. Nanoscale, 2022, , .	5.6	0