

Tuhin Shuvra Basu

List of Publications by Year in descending order

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Version: 2024-02-01

10
papers

112
citations

1684188

5
h-index

1372567

10
g-index

10
all docs

10
docs citations

10
times ranked

190
citing authors

#	ARTICLE	IF	CITATIONS
1	Single-charge transport through hybrid core-shell Au-ZnS quantum dots: a comprehensive analysis from a modified energy structure. <i>Nanoscale</i> , 2021, 13, 4978-4984.	5.6	3
2	Energy scales and dynamics of electronic excitations in functionalized gold nanoparticles measured at the single particle level. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 13446-13452.	2.8	1
3	Single-electron transport through stabilised silicon nanocrystals. <i>Nanoscale</i> , 2018, 10, 13949-13958.	5.6	5
4	Extraordinary electron and phonon transport through metal-semiconductor hybrid nanocomposite: decoupling electrical and thermal conductivities for thermoelectric application. <i>International Journal of Nanotechnology</i> , 2014, 11, 897.	0.2	2
5	Highly lattice-mismatched semiconductor-metal hybrid nanostructures: gold nanoparticle encapsulated luminescent silicon quantum dots. <i>Nanoscale</i> , 2014, 6, 2201.	5.6	34
6	Charge Transfer Induced Encapsulation of Si Quantum Dots by Atomically Larger and Highly Lattice-Mismatched Au Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2014, 118, 5041-5050.	3.1	10
7	Remarkable thermal conductivity reduction in metal-semiconductor nanocomposites. <i>Applied Physics Letters</i> , 2013, 103, .	3.3	8
8	Performance Enhancement of Crystalline Silicon Solar Cells by Coating with Luminescent Silicon Nanostructures. <i>Journal of Electronic Materials</i> , 2013, 42, 403-409.	2.2	5
9	Collective charge transport in semiconductor-metal hybrid nanocomposite. <i>Applied Physics Letters</i> , 2013, 102, 053107.	3.3	4
10	Luminescent core-shell nanostructures of silicon and silicon oxide: Nanodots and nanorods. <i>Journal of Applied Physics</i> , 2010, 107, .	2.5	40