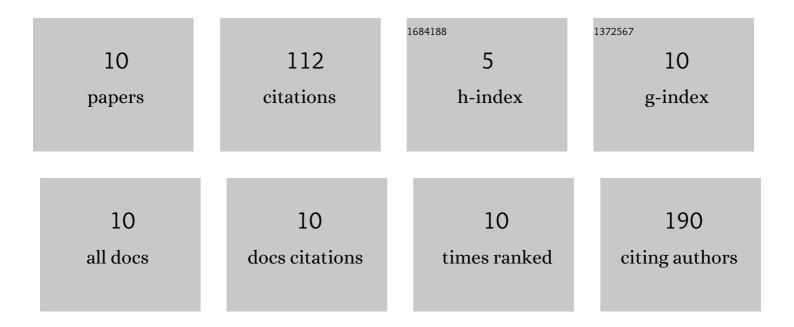
Tuhin Shuvra Basu

List of Publications by Year in descending order

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