

Ujjwal Ghanta

List of Publications by Year in descending order

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9
papers

65
citations

1684188
5
h-index

1588992
8
g-index

9
all docs

9
docs citations

9
times ranked

54
citing authors

#	ARTICLE	IF	CITATIONS
1	Hot-carrier radiative recombination through phonon confinement in silicon nanocrystals embedded in colloidal xerogel matrix. <i>Journal of Applied Physics</i> , 2021, 130, 033102.	2.5	1
2	Trap-Assisted Transport in Silicon Nanorods. <i>Lecture Notes in Networks and Systems</i> , 2019, , 385-390.	0.7	2
3	Effect of phonon confinement on photoluminescence from colloidal silicon nanostructures. <i>Journal of Luminescence</i> , 2018, 201, 338-344.	3.1	6
4	Current Controlled Switching in Si/PS/a-Si Heterostructure. <i>Materials Today: Proceedings</i> , 2018, 5, 9790-9797.	1.8	5
5	Electrical transport through array of electrochemically etched silicon nanorods. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2017, 214, 1600879.	1.8	6
6	Unipolar resistive switching and tunneling oscillations in isolated SiO _x /Si core-shell nanostructure. <i>Nanotechnology</i> , 2016, 27, 455702.	2.6	9
7	Photoluminescence From Oxidized Macroporous Silicon: Nanoripples and Strained Silicon Nanostructures. <i>IEEE Transactions on Device and Materials Reliability</i> , 2013, 13, 87-92.	2.0	8
8	Photoluminescence mechanism in silicon quantum rods studied by time-resolved spectroscopy. , 2013, , .		0
9	Temperature dependent photoluminescence from porous silicon nanostructures: Quantum confinement and oxide related transitions. <i>Journal of Applied Physics</i> , 2011, 110, 094309.	2.5	28