

Ujjwal Ghanta

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1330908/publications.pdf>

Version: 2024-02-01

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