

# Ayan Kar

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11740770/publications.pdf>

Version: 2024-02-01

10  
papers

229  
citations

1307594

7  
h-index

1474206

9  
g-index

10  
all docs

10  
docs citations

10  
times ranked

425  
citing authors

#	ARTICLE	IF	CITATIONS
1	Observation of ultraviolet emission and effect of surface states on the luminescence from tin oxide nanowires. Applied Physics Letters, 2009, 94, .	3.3	64
2	Rapid thermal annealing effects on tin oxide nanowires prepared by vapor-liquid-solid technique. Nanotechnology, 2009, 20, 065704.	2.6	44
3	Growth and properties of tin oxide nanowires and the effect of annealing conditions. Semiconductor Science and Technology, 2010, 25, 024012.	2.0	39
4	Tailoring the surface properties and carrier dynamics in SnO <sub>2</sub> nanowires. Nanotechnology, 2011, 22, 285709.	2.6	30
5	Probing Ultrafast Carrier Dynamics in Silicon Nanowires. IEEE Journal of Selected Topics in Quantum Electronics, 2011, 17, 889-895.	2.9	19
6	Investigation of Nucleation Mechanism and Tapering Observed in ZnO Nanowire Growth by Carbothermal Reduction Technique. Nanoscale Research Letters, 2011, 6, 3.	5.7	14
7	The influence of radial heterostructuring on carrier dynamics in gallium nitride nanowires. Applied Physics Letters, 2012, 101, .	3.3	10
8	Electronic properties of p-n junctions in SnO <sub>2</sub> nanowires. Physica Status Solidi (B): Basic Research, 2011, 248, 2848-2852.	1.5	4
9	Preliminary investigation on the modification of electronic properties in surface passivated SnO <sub>2</sub> nanowires with Schottky contacts on being exposed to <sup>137</sup> Cs I <sup>3</sup> -radiation. Journal of Applied Physics, 2012, 111, 084319.	2.5	4
10	Observation of ultraviolet and visible luminescence due to the presence of defect states in the forbidden bandgap of tin oxide nanowires.. , 2009, , .		1