

Ayan Kar

List of Publications by Year in descending order

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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 | The influence of radial heterostructuring on carrier dynamics in gallium nitride nanowires. Applied Physics Letters, 2012, 101, . | 3.3 | 10 |
| 2 | Preliminary investigation on the modification of electronic properties in surface passivated SnO ₂ nanowires with Schottky contacts on being exposed to ¹³⁷ Cs β -radiation. Journal of Applied Physics, 2012, 111, 084319. | 2.5 | 4 |
| 3 | Investigation of Nucleation Mechanism and Tapering Observed in ZnO Nanowire Growth by Carbothermal Reduction Technique. Nanoscale Research Letters, 2011, 6, 3. | 5.7 | 14 |
| 4 | Tailoring the surface properties and carrier dynamics in SnO ₂ 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 | Electronic properties of Y δ junctions in SnO ₂ nanowires. Physica Status Solidi (B): Basic Research, 2011, 248, 2848-2852. | 1.5 | 4 |
| 7 | Growth and properties of tin oxide nanowires and the effect of annealing conditions. Semiconductor Science and Technology, 2010, 25, 024012. | 2.0 | 39 |
| 8 | Rapid thermal annealing effects on tin oxide nanowires prepared by vapor-liquid-solid technique. Nanotechnology, 2009, 20, 065704. | 2.6 | 44 |
| 9 | Observation of ultraviolet emission and effect of surface states on the luminescence from tin oxide nanowires. Applied Physics Letters, 2009, 94, . | 3.3 | 64 |
| 10 | Observation of ultraviolet and visible luminescence due to the presence of defect states in the forbidden bandgap of tin oxide nanowires.. , 2009, , . | | 1 |