

Soumen Dhara

List of Publications by Year in descending order

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35
papers

994
citations

430754

18
h-index

434063

31
g-index

35
all docs

35
docs citations

35
times ranked

1584
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhanced UV photosensitivity from rapid thermal annealed vertically aligned ZnO nanowires. <i>Nanoscale Research Letters</i> , 2011, 6, 504.	3.1	128
2	Oxygen vacancy-mediated enhanced ferromagnetism in undoped and Fe-doped TiO ₂ nanoribbons. <i>Journal Physics D: Applied Physics</i> , 2014, 47, 235304.	1.3	115
3	Stable p-type conductivity and enhanced photoconductivity from nitrogen-doped annealed ZnO thin film. <i>Thin Solid Films</i> , 2012, 520, 5000-5006.	0.8	82
4	Room temperature ferromagnetism with high magnetic moment and optical properties of Co doped ZnO nanorods synthesized by a solvothermal route. <i>Journal of Alloys and Compounds</i> , 2014, 615, 378-385.	2.8	73
5	Graphene-Assisted Controlled Growth of Highly Aligned ZnO Nanorods and Nanoribbons: Growth Mechanism and Photoluminescence Properties. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 377-387.	4.0	68
6	On the origin of enhanced photoconduction and photoluminescence from Au and Ti nanoparticles decorated aligned ZnO nanowire heterostructures. <i>Journal of Applied Physics</i> , 2011, 110, 124317.	1.1	60
7	Effect of ZnO seed layer on the catalytic growth of vertically aligned ZnO nanorod arrays. <i>Materials Chemistry and Physics</i> , 2010, 122, 18-22.	2.0	58
8	ZnO Nanowire Heterostructures: Intriguing Photophysics and Emerging Applications. <i>Reviews in Nanoscience and Nanotechnology</i> , 2013, 2, 147-170.	0.4	40
9	Europium doping induced symmetry deviation and its impact on the second harmonic generation of doped ZnO nanowires. <i>Nanotechnology</i> , 2014, 25, 225202.	1.3	37
10	Evolution of room temperature ferromagnetism with increasing 1D growth in Ni-doped ZnO nanostructures. <i>Journal of Alloys and Compounds</i> , 2015, 647, 558-565.	2.8	34
11	Size-dependent visible absorption and fast photoluminescence decay dynamics from freestanding strained silicon nanocrystals. <i>Nanoscale Research Letters</i> , 2011, 6, 320.	3.1	33
12	Improved fast photoresponse from Al doped ZnO nanowires network decorated with Au nanoparticles. <i>Chemical Physics Letters</i> , 2012, 541, 39-43.	1.2	32
13	ZnO/antracene based inorganic/organic nanowire heterostructure: Photoresponse and photoluminescence studies. <i>Journal of Applied Physics</i> , 2012, 111, .	1.1	29
14	RAPID THERMAL ANNEALING INDUCED ENHANCED BAND-EDGE EMISSION FROM ZnO NANOWIRES, NANORODS AND NANORIBBONS. <i>Functional Materials Letters</i> , 2011, 04, 25-29.	0.7	25
15	Freestanding Core-Shell Nanocrystals with Varying Sizes and Shell Thicknesses: Microstructure and Photoluminescence Studies. <i>Journal of Nanomaterials</i> , 2012, 2012, 1-5.	1.5	25
16	Aluminum doped core-shell ZnO/ZnS nanowires: Doping and shell layer induced modification on structural and photoluminescence properties. <i>Journal of Applied Physics</i> , 2013, 114, 134307.	1.1	23
17	Quick single-step mechanosynthesis of ZnO nanorods and their optical characterization: milling time dependence. <i>Applied Nanoscience (Switzerland)</i> , 2011, 1, 165-171.	1.6	22
18	Size Dependent Anisotropic Strain and Optical Properties of Strained Si Nanocrystals. <i>Journal of Nanoscience and Nanotechnology</i> , 2011, 11, 9215-9221.	0.9	20

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19	Ti nanoparticles decorated ZnO nanowires heterostructure: photocurrent and photoluminescence properties. <i>Journal of Experimental Nanoscience</i> , 2013, 8, 332-340.	1.3	15
20	EFFECT OF RAPID THERMAL ANNEALING ON MICROSTRUCTURE AND OPTICAL PROPERTIES OF ZnO NANORODS. <i>International Journal of Nanoscience</i> , 2011, 10, 65-68.	0.4	13
21	Enhancement in red emission at room temperature from europium doped ZnO nanowires by 1,10 phenanthroline-europium interface induced resonant excitations. <i>AIP Advances</i> , 2017, 7, .	0.6	13
22	Strain dependence of the nonlinear optical properties of strained Si nanoparticles. <i>Optics Letters</i> , 2014, 39, 3833.	1.7	9
23	EFFECT OF GROWTH TEMPERATURE ON THE CATALYST-FREE GROWTH OF LONG SILICON NANOWIRES USING RADIO FREQUENCY MAGNETRON SPUTTERING. <i>International Journal of Nanoscience</i> , 2011, 10, 13-17.	0.4	7
24	Co-DOPED ZnO NANOWIRES GROWN BY VAPOR-LIQUID-SOLID METHOD: STRUCTURAL, OPTICAL AND MAGNETIC STUDIES. <i>Nano</i> , 2012, 07, 1250028.	0.5	7
25	Self-catalytic growth of horizontal and straight Si nanowires on Si substrates using a sputter deposition technique. <i>Solid State Communications</i> , 2010, 150, 1923-1927.	0.9	6
26	Tail state mediated conduction in zinc tin oxide thinfilm phototransistors under below bandgap optical excitation. <i>Scientific Reports</i> , 2021, 11, 19016.	1.6	4
27	SHAPE EVOLUTION IN ONE-DIMENSIONAL ZnO NANOSTRUCTURES GROWN FROM ZnO NANOPOWDER SOURCE: VAPOR-LIQUID-SOLID VERSUS VAPOR-SOLID GROWTH MECHANISMS. <i>International Journal of Nanoscience</i> , 2011, 10, 75-79.	0.4	3
28	ORGANIC CuPc COATING INDUCED IMPROVED PHOTOLUMINESCENCE AND PHOTOCONDUCTIVITY OF ZnO NANOWIRES ARRAY. <i>Functional Materials Letters</i> , 2012, 05, 1250021.	0.7	3
29	Photoconductive laser spectroscopy as a method to enhance defect spectral signatures in amorphous oxide semiconductor thin-film transistors. <i>Applied Physics Letters</i> , 2019, 114, 011907.	1.5	3
30	ZnO Nanorods Arrays and Heterostructures for the High Sensitive UV Photodetection. , 2012, , .		2
31	Enhanced LPG sensing property of sol-gel synthesized ZnO nanoparticles-based gas sensors. <i>Bulletin of Materials Science</i> , 2021, 44, 1.	0.8	2
32	EFFECT OF ZnO NANOPOWDER SOURCE AND GROWTH TEMPERATURE ON SHAPE EVOLUTION OF ZnO NANOSTRUCTURES. <i>International Journal of Nanoscience</i> , 2011, 10, 833-837.	0.4	1
33	Eu-doping induced improvement on the second harmonic generation of ZnO Nanowires. <i>Materials Research Society Symposia Proceedings</i> , 2014, 1659, 95-100.	0.1	1
34	Second Harmonic Generation in ZnO Nanowires. , 0, , .		1
35	Prologue: Nanorods Recent Advances and Future Perspective. , 0, , .		0