

# 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 LPG sensing property of sol-gel synthesized ZnO nanoparticles-based gas sensors. Bulletin of Materials Science, 2021, 44, 1.	0.8	2
2	Tail state mediated conduction in zinc tin oxide thinfilm phototransistors under below bandgap optical excitation. Scientific Reports, 2021, 11, 19016.	1.6	4
3	Photoconductive laser spectroscopy as a method to enhance defect spectral signatures in amorphous oxide semiconductor thin-film transistors. Applied Physics Letters, 2019, 114, 011907.	1.5	3
4	Enhancement in red emission at room temperature from europium doped ZnO nanowires by 1,10 phenanthroline-europium interface induced resonant excitations. AIP Advances, 2017, 7, .	0.6	13
5	Evolution of room temperature ferromagnetism with increasing 1D growth in Ni-doped ZnO nanostructures. Journal of Alloys and Compounds, 2015, 647, 558-565.	2.8	34
6	Eu-doping induced improvement on the second harmonic generation of ZnO Nanowires. Materials Research Society Symposia Proceedings, 2014, 1659, 95-100.	0.1	1
7	Graphene-Assisted Controlled Growth of Highly Aligned ZnO Nanorods and Nanoribbons: Growth Mechanism and Photoluminescence Properties. ACS Applied Materials & Interfaces, 2014, 6, 377-387.	4.0	68
8	Europium doping induced symmetry deviation and its impact on the second harmonic generation of doped ZnO nanowires. Nanotechnology, 2014, 25, 225202.	1.3	37
9	Oxygen vacancy-mediated enhanced ferromagnetism in undoped and Fe-doped TiO <sub>2</sub> nanoribbons. Journal Physics D: Applied Physics, 2014, 47, 235304.	1.3	115
10	Room temperature ferromagnetism with high magnetic moment and optical properties of Co doped ZnO nanorods synthesized by a solvothermal route. Journal of Alloys and Compounds, 2014, 615, 378-385.	2.8	73
11	Strain dependence of the nonlinear optical properties of strained Si nanoparticles. Optics Letters, 2014, 39, 3833.	1.7	9
12	Aluminum doped core-shell ZnO/ZnS nanowires: Doping and shell layer induced modification on structural and photoluminescence properties. Journal of Applied Physics, 2013, 114, 134307.	1.1	23
13	Ti nanoparticles decorated ZnO nanowires heterostructure: photocurrent and photoluminescence properties. Journal of Experimental Nanoscience, 2013, 8, 332-340.	1.3	15
14	ZnO Nanowire Heterostructures: Intriguing Photophysics and Emerging Applications. Reviews in Nanoscience and Nanotechnology, 2013, 2, 147-170.	0.4	40
15	Freestanding Core-Shell Nanocrystals with Varying Sizes and Shell Thicknesses: Microstructure and Photoluminescence Studies. Journal of Nanomaterials, 2012, 2012, 1-5.	1.5	25
16	Co-DOPED ZnO NANOWIRES GROWN BY VAPOR-LIQUID-SOLID METHOD: STRUCTURAL, OPTICAL AND MAGNETIC STUDIES. Nano, 2012, 07, 1250028.	0.5	7
17	ZnO/antracene based inorganic/organic nanowire heterostructure: Photoresponse and photoluminescence studies. Journal of Applied Physics, 2012, 111, .	1.1	29
18	ORGANIC CuPc COATING INDUCED IMPROVED PHOTOLUMINESCENCE AND PHOTOCONDUCTIVITY OF ZnO NANOWIRES ARRAY. Functional Materials Letters, 2012, 05, 1250021.	0.7	3

#	ARTICLE	IF	CITATIONS
19	Improved fast photoresponse from Al doped ZnO nanowires network decorated with Au nanoparticles. Chemical Physics Letters, 2012, 541, 39-43.	1.2	32
20	ZnO Nanorods Arrays and Heterostructures for the High Sensitive UV Photodetection. , 2012, , .		2
21	Stable p-type conductivity and enhanced photoconductivity from nitrogen-doped annealed ZnO thin film. Thin Solid Films, 2012, 520, 5000-5006.	0.8	82
22	EFFECT OF <font>ZnO</font> NANOPOWDER SOURCE AND GROWTH TEMPERATURE ON SHAPE EVOLUTION OF <font>ZnO</font> NANOSTRUCTURES. International Journal of Nanoscience, 2011, 10, 833-837.	0.4	1
23	Size Dependent Anisotropic Strain and Optical Properties of Strained Si Nanocrystals. Journal of Nanoscience and Nanotechnology, 2011, 11, 9215-9221.	0.9	20
24	Enhanced UV photosensitivity from rapid thermal annealed vertically aligned ZnO nanowires. Nanoscale Research Letters, 2011, 6, 504.	3.1	128
25	Quick single-step mechanosynthesis of ZnO nanorods and their optical characterization: milling time dependence. Applied Nanoscience (Switzerland), 2011, 1, 165-171.	1.6	22
26	Size-dependent visible absorption and fast photoluminescence decay dynamics from freestanding strained silicon nanocrystals. Nanoscale Research Letters, 2011, 6, 320.	3.1	33
27	RAPID THERMAL ANNEALING INDUCED ENHANCED BAND-EDGE EMISSION FROM <font>ZnO</font> NANOWIRES, NANORODS AND NANORIBBONS. Functional Materials Letters, 2011, 04, 25-29.	0.7	25
28	EFFECT OF GROWTH TEMPERATURE ON THE CATALYST-FREE GROWTH OF LONG SILICON NANOWIRES USING RADIO FREQUENCY MAGNETRON SPUTTERING. International Journal of Nanoscience, 2011, 10, 13-17.	0.4	7
29	EFFECT OF RAPID THERMAL ANNEALING ON MICROSTRUCTURE AND OPTICAL PROPERTIES OF ZnO NANORODS. International Journal of Nanoscience, 2011, 10, 65-68.	0.4	13
30	SHAPE EVOLUTION IN ONE-DIMENSIONAL ZnO NANOSTRUCTURES GROWN FROM ZnO NANOPOWDER SOURCE: VAPORâ€“LIQUIDâ€“SOLID VERSUS VAPORâ€“SOLID GROWTH MECHANISMS. International Journal of Nanoscience, 2011, 10, 75-79.	0.4	3
31	On the origin of enhanced photoconduction and photoluminescence from Au and Ti nanoparticles decorated aligned ZnO nanowire heterostructures. Journal of Applied Physics, 2011, 110, 124317.	1.1	60
32	Effect of ZnO seed layer on the catalytic growth of vertically aligned ZnO nanorod arrays. Materials Chemistry and Physics, 2010, 122, 18-22.	2.0	58
33	Self-catalytic growth of horizontal and straight Si nanowires on Si substrates using a sputter deposition technique. Solid State Communications, 2010, 150, 1923-1927.	0.9	6
34	Second Harmonic Generation in ZnO Nanowires. , 0, , .		1
35	Prologue: Nanorods â€“ Recent Advances and Future Perspective. , 0, , .		0