

# Pijus Kanti Samanta

## List of Publications by Year in descending order

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46  
papers

530  
citations

687363

13  
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677142

22  
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48  
all docs

48  
docs citations

48  
times ranked

701  
citing authors

#	ARTICLE	IF	CITATIONS
1	Chemical growth of hexagonal zinc oxide nanorods and their optical properties. Applied Nanoscience (Switzerland), 2012, 2, 111-117.	3.1	71
2	Violet emission from flower-like bundle of ZnO nanosheets. Physica E: Low-Dimensional Systems and Nanostructures, 2009, 41, 664-667.	2.7	62
3	Growth and Optical Properties of Chemically Grown ZnO Nanobelts. Science of Advanced Materials, 2011, 3, 107-112.	0.7	42
4	ZnO nanoparticle-protein interaction: Corona formation with associated unfolding. Applied Physics Letters, 2013, 103, 143701.	3.3	41
5	Green photoluminescence from highly oriented ZnO thin film for photovoltaic application. Optik, 2013, 124, 6227-6230.	2.9	31
6	Substrate effect on morphology and photoluminescence from ZnO monopods and bipods. Frontiers of Optoelectronics in China, 2011, 4, 130-136.	0.2	24
7	Biocompatibility study of protein capped and uncapped silver nanoparticles on human hemoglobin. Journal Physics D: Applied Physics, 2015, 48, 235305.	2.8	22
8	Wet chemical synthesis of ZnO nanoflakes and photoluminescence. Optik, 2015, 126, 3786-3788.	2.9	19
9	Characteristics of Benzene Assisted Grown ZnO Nanosheets. Science of Advanced Materials, 2012, 4, 219-226.	0.7	19
10	Safety concerns towards the biomedical application of PbS nanoparticles: An approach through protein-PbS interaction and corona formation. Applied Physics Letters, 2014, 104, .	3.3	17
11	Wet chemical growth and optical property of ZnO nanodiscs. Optik, 2013, 124, 2871-2873.	2.9	16
12	SYNTHESIS AND CHARACTERIZATION OF CHEMICALLY GROWN ULTRALONG HEXAGONAL ZnO NANOTUBES. International Journal of Nanoscience, 2011, 10, 69-73.	0.7	15
13	Band gap engineering, quantum confinement, defect mediated broadband visible photoluminescence and associated quantum States of size tuned zinc oxide nanostructures. Optik, 2020, 221, 165337.	2.9	14
14	Electrochemical Growth of Hexagonal ZnO Pyramids and their Optical Property. Materials Letters, 2012, 83, 97-99.	2.6	11
15	Solution phase synthesis of ZnO nanopencils and their optical property. Materials Letters, 2013, 91, 338-340.	2.6	11
16	A novel chemical reduction method of growing ZnO nanocrystals and their optical property. Materials Letters, 2014, 118, 123-125.	2.6	11
17	Morphological and optical property of spherical ZnO nanoparticles. Optik, 2015, 126, 1740-1743.	2.9	11
18	WEAK QUANTUM CONFINEMENT IN ZnO NANORODS: A ONE DIMENSIONAL POTENTIAL WELL APPROACH. Optics and Photonics Letters, 2011, 04, 35-45.	0.8	10

#	ARTICLE	IF	CITATIONS
19	Wet chemical growth of zinc oxide octahedrons and their optical property. <i>Materials Letters</i> , 2012, 68, 510-512.	2.6	8
20	Wet Chemically Synthesized CuO Bipods and their Optical Properties. <i>Recent Patents on Nanotechnology</i> , 2016, 10, 20-25.	1.3	8
21	Understanding the transition levels of photoluminescence of ZnO quantum dots under weak confinement. <i>Journal of Optics (India)</i> , 2012, 41, 75-80.	1.7	7
22	Wet chemical growth of ultra-long ZnO nanoplates and their optical property. <i>Chemical Physics Letters</i> , 2013, 584, 155-158.	2.6	7
23	UV Photoluminescence from Substrate Free Growth of Zinc Oxide Nanopencils. <i>Science of Advanced Materials</i> , 2011, 3, 919-925.	0.7	6
24	Characteristics of electrochemically grown dendritic metallic zinc. <i>Optik</i> , 2011, 122, 1520-1522.	2.9	5
25	Green synthesis of zinc oxide nanostructure using <i>Azadirachta Indica</i> leaf extract and its structural and microstructural study. <i>Physica Scripta</i> , 2021, 96, 035704.	2.5	5
26	Optical Properties of Stabilized ZnO Nanoparticles, Perspective for UV-Protection in Sunscreens. <i>Current Nanoscience</i> , 2015, 11, 354-359.	1.2	5
27	Fern leaves. <i>Materials Today</i> , 2011, 14, 295.	14.2	4
28	Absorption Spectroscopic Analysis of ZnO Nanoparticles. <i>Advanced Science, Engineering and Medicine</i> , 2016, 8, 240-244.	0.3	4
29	Review on Wet Chemical Growth and Anti-bacterial Activity of Zinc Oxide Nanostructures. <i>Journal of Tissue Science &amp; Engineering</i> , 2017, 08, .	0.2	3
30	Study of Time-dependent Interaction of ZnO Nanoparticles with Sucrose and Honey Molecules for Biomedical Applications. <i>Current Nanomaterials</i> , 2019, 4, 216-222.	0.4	3
31	Electrochemical growth of metallic zinc and its crystallographic study using Rietveld. <i>Materials Today: Proceedings</i> , 2021, 43, 3091-3094.	1.8	3
32	Electrochemical Growth of ZnO Microspheres and Nanosheets. <i>Advanced Science Letters</i> , 2011, 4, 554-557.	0.2	3
33	Sol-gel Synthesis and Structural Properties of Cu Doped ZnO Nanoparticles. <i>Journal of Nano- and Electronic Physics</i> , 2019, 11, 01028-1-01028-3.	0.5	3
34	Structural and Optical Properties of Alumina Templated Undoped and Co-Doped Zinc Oxide Nanoparticles. <i>Journal of Nanoengineering and Nanomanufacturing</i> , 2013, 3, 211-216.	0.3	2
35	Synthesis and Characterization of Super Paramagnetic Iron Oxide Nanoparticles. <i>Nanoscience and Nanotechnology - Asia</i> , 2020, 10, 123-126.	0.7	2
36	Fabrication of intensity based fiber optic pH sensor. , 2010, , .		1

#	ARTICLE	IF	CITATIONS
37	Hot carrier solar cell (HCSC): A new generation nano-structured solar cell. , 2017, , .		1
38	Chemical synthesis of zinc oxide nanorods and their transformation into nanotubes. Turkish Journal of Physics, 2019, 43, 576-581.	1.1	1
39	Optical Properties of Surface Modified ZnO Nanorods. Journal of Nanoengineering and Nanomanufacturing, 2014, 4, 173-176.	0.3	1
40	Weak Quantum Confinement and Associated Energy Levels of CuO Nanoparticles. Advanced Science, Engineering and Medicine, 2015, 7, 811-813.	0.3	1
41	Fabrication of ZnO nanostructures: Effect of organic and inorganic compounds. , 2010, , .		0
42	Wet-chemical synthesis and optical properties of CuO nanoparticles. , 2017, , .		0
43	Dynamic Conduction in 2-Dimensional Conductor: Magneto-Conductivity Tensor under Rapid Oscillatory Electric Field. Journal of Nano- and Electronic Physics, 2016, 8, 02037-1-02037-2.	0.5	0
44	Synthesis and Optical Absorption Properties of Copper Oxide Nanoparticles for Applications in Transparent Surface Coatings and Solar Cells. Journal of Nano- and Electronic Physics, 2017, 9, 06028-1-06028-2.	0.5	0
45	Inter-band Transition in Citrate Capped Marks Dodecahedral Colloidal Gold Nanoparticles. Current Nanoscience, 2020, 16, 829-836.	1.2	0
46	Peak profile analysis, electrical, dielectric behaviour and defect mediated yellow photoluminescence of zinc oxide nanostructures. Physica Scripta, 0, , .	2.5	0