

Navendu Goswami

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

38

papers

831

citations

14

h-index

28

g-index

42

ext. papers

1,016

ext. citations

3.3

avg, IF

4.64

L-index

#	Paper	IF	Citations
38	Effect of nitrogen doping on structural and optical properties of ZnO nanoparticles. <i>Progress in Natural Science: Materials International</i> , 2015 , 25, 300-309	3.6	107
37	Cu/Cu ₂ O/CuO nanoparticles: Novel synthesis by exploding wire technique and extensive characterization. <i>Applied Surface Science</i> , 2016 , 390, 974-983	6.7	105
36	Structural and optical properties of unannealed and annealed ZnO nanoparticles prepared by a chemical precipitation technique. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2010 , 42, 1673-1682	8.2	82
35	Structural and vibrational properties of ZnO nanoparticles synthesized by the chemical precipitation method. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2014 , 58, 130-137	3	81
34	Probing the dominance of interstitial oxygen defects in ZnO nanoparticles through structural and optical characterizations. <i>Ceramics International</i> , 2014 , 40, 14569-14578	5.1	59
33	Doping concentration driven morphological evolution of Fe doped ZnO nanostructures. <i>Journal of Applied Physics</i> , 2014 , 116, 164315	2.5	56
32	Effect of media components on cell growth and bacterial cellulose production from <i>Acetobacter acetii</i> MTCC 2623. <i>Carbohydrate Polymers</i> , 2013 , 94, 12-6	10.3	44
31	Structural transformation in nickel doped zinc oxide nanostructures. <i>Materials Research Bulletin</i> , 2013 , 48, 346-351	5.1	40
30	Photoluminescent properties of ZnS nanoparticles prepared by electro-explosion of Zn wires. <i>Journal of Nanoparticle Research</i> , 2007 , 9, 513-517	2.3	37
29	Morphological transformations in cobalt doped zinc oxide nanostructures: Effect of doping concentration. <i>Ceramics International</i> , 2016 , 42, 5184-5194	5.1	32
28	Water-induced stabilization of ZnS nanoparticles. <i>Solid State Communications</i> , 2004 , 132, 791-794	1.6	29
27	Modified structural and photoelectrochemical properties of 170 MeV Au ¹³⁺ irradiated hematite. <i>Thin Solid Films</i> , 2005 , 492, 332-336	2.2	27
26	Structural, vibrational and electronic properties of CuO nanoparticles synthesized via exploding wire technique. <i>Ceramics International</i> , 2018 , 44, 2478-2484	5.1	18
25	Zinc oxide nanoparticles (ZnO NP) mediated regulation of bacosides biosynthesis and transcriptional correlation of HMG-CoA reductase gene in suspension culture of <i>Bacopa monnieri</i> . <i>Plant Physiology and Biochemistry</i> , 2018 , 130, 148-156	5.4	15
24	Polyaniline/SnO ₂ Nanocomposite Sensor for NO ₂ Gas Sensing at Low Operating Temperature. <i>International Journal of Nanoscience</i> , 2015 , 14, 1550011	0.6	14
23	Dielectric and electrical study of zinc copper ferrite nanoparticles prepared by exploding wire technique. <i>Applied Physics A: Materials Science and Processing</i> , 2019 , 125, 1	2.6	14
22	Evaluation of physicochemical and biological properties of chitosan/poly (vinyl alcohol) polymer blend membranes and their correlation for Vero cell growth. <i>Carbohydrate Polymers</i> , 2016 , 137, 576-583	10.3	12

21	Structural, optical and vibrational study of zinc copper ferrite nanocomposite prepared by exploding wire technique. <i>Materials Science-Poland</i> , 2018 , 36, 722-732	0.6	11
20	Evaluating the potential of chitosan/poly(vinyl alcohol) membranes as alternative carrier material for proliferation of Vero cells. <i>E-Polymers</i> , 2015 , 15, 237-243	2.7	8
19	Structural, magnetic and dielectric study of Fe ₂ O ₃ nanoparticles obtained through exploding wire technique. <i>Current Applied Physics</i> , 2021 , 22, 20-29	2.6	7
18	Structural and optical investigations of oxygen defects in zinc oxide nanoparticles 2015 ,		5
17	Effect of carbon sources on physicochemical properties of bacterial cellulose produced from <i>Gluconacetobacter xylinus</i> MTCC 7795. <i>E-Polymers</i> , 2016 , 16, 331-336	2.7	4
16	UV-Visible spectroscopic study of ZnS nanostructures synthesized by a novel micellar method. <i>Journal of Materials Science</i> , 2012 , 47, 2903-2909	4.3	3
15	Bacteria Cellulose: Biopolymer from <i>Gluconacetobacter Xylinus</i> . <i>Macromolecular Symposia</i> , 2015 , 347, 27-31	0.8	3
14	Labyrinth patterns of zinc oxide on porous silicon substrate. <i>Superlattices and Microstructures</i> , 2014 , 67, 72-81	2.8	3
13	Nanostructured Zn-Cu ferrite: Structural, magnetic properties and application 2018 ,		3
12	Magnetic and dielectric study of nanoparticles of Cu-ferrite prepared by explosion technique. <i>Materials Today: Proceedings</i> , 2020 , 28, 294-297	1.4	2
11	Water driven stabilization of ZnS nanoparticles prepared by exploding wire technique. <i>Materials Research Express</i> , 2014 , 1, 025001	1.7	2
10	Impedance spectroscopic study of nanoscale Zn-Cu ferrite prepared by exploding wire technique 2019 ,		1
9	Water-driven stabilization of cadmium sulphide nanoparticles. <i>Applied Surface Science</i> , 2017 , 425, 576-584	1.7	1
8	Structural Evolution of Nickel Doped Zinc Oxide Nanostructures. <i>Materials Research Society Symposia Proceedings</i> , 2013 , 1551, 47-52		1
7	Tailoring magnetic properties through variation of cations distribution in Zn-Cu ferrite nanoparticles prepared by exploding wire technique. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2022 , 278, 115608	3.1	1
6	Cation positions and electron spin resonance study of nanostructured Zn-Cu ferrite 2018 ,		1
5	Significant magnetic, dielectric and magnetodielectric properties of CuO nanoparticles prepared by exploding wire technique. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2021 , 271, 115301	3.1	1
4	Structural, optical, magnetic and dielectric properties of magnetite (Fe ₃ O ₄) nanoparticles prepared by exploding wire technique. <i>Journal of Materials Science: Materials in Electronics</i> , 2018 , 1	2.1	1

- 3 Structural and optical properties of CdZnS nanoparticles by exploding wire technique. *Materials Today: Proceedings*, **2020**, 28, 278-281 1.4 0
- 2 Effect of Annealing and Transition Metal Doping on Structural, Optical and Magnetic Properties of ZnO Nanomaterial. *Ceramic Transactions*, **2012**, 1-15 0.1
- 1 Improved Crystallinity of Zinc Sulfide Nanoparticles in Aqueous Environment. *Materials Research Society Symposia Proceedings*, **2005**, 879, 1