

Navendu Goswami

List of Publications by Year in descending order

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41
papers

1,222
citations

471371

17
h-index

377752

34
g-index

42
all docs

42
docs citations

42
times ranked

1610
citing authors

#	ARTICLE	IF	CITATIONS
1	Cu/Cu ₂ O/CuO nanoparticles: Novel synthesis by exploding wire technique and extensive characterization. <i>Applied Surface Science</i> , 2016, 390, 974-983.	3.1	175
2	Effect of nitrogen doping on structural and optical properties of ZnO nanoparticles. <i>Progress in Natural Science: Materials International</i> , 2015, 25, 300-309.	1.8	157
3	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.	1.3	115
4	Probing the dominance of interstitial oxygen defects in ZnO nanoparticles through structural and optical characterizations. <i>Ceramics International</i> , 2014, 40, 14569-14578.	2.3	106
5	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, 1675-1682.	1.3	102
6	Doping concentration driven morphological evolution of Fe doped ZnO nanostructures. <i>Journal of Applied Physics</i> , 2014, 116, .	1.1	68
7	Effect of media components on cell growth and bacterial cellulose production from <i>Acetobacter acetii</i> MTCC 2623. <i>Carbohydrate Polymers</i> , 2013, 94, 12-16.	5.1	58
8	Structural transformation in nickel doped zinc oxide nanostructures. <i>Materials Research Bulletin</i> , 2013, 48, 346-351.	2.7	57
9	Morphological transformations in cobalt doped zinc oxide nanostructures: Effect of doping concentration. <i>Ceramics International</i> , 2016, 42, 5184-5194.	2.3	42
10	Photoluminescent properties of ZnS nanoparticles prepared by electro-explosion of Zn wires. <i>Journal of Nanoparticle Research</i> , 2007, 9, 513-517.	0.8	39
11	Water-induced stabilization of ZnS nanoparticles. <i>Solid State Communications</i> , 2004, 132, 791-794.	0.9	36
12	Modified structural and photoelectrochemical properties of 170 MeV Au ¹³⁺ irradiated hematite. <i>Thin Solid Films</i> , 2005, 492, 332-336.	0.8	30
13	Structural, vibrational and electronic properties of CuO nanoparticles synthesized via exploding wire technique. <i>Ceramics International</i> , 2018, 44, 2478-2484.	2.3	30
14	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.	2.8	21
15	Structural, optical and vibrational study of zinc copper ferrite nanocomposite prepared by exploding wire technique. <i>Materials Science-Poland</i> , 2018, 36, 722-732.	0.4	21
16	Structural and optical investigations of oxygen defects in zinc oxide nanoparticles. <i>AIP Conference Proceedings</i> , 2015, , .	0.3	19
17	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.	1.1	19
18	Polyaniline/SnO ₂ Nanocomposite Sensor for NO ₂ Gas Sensing at Low Operating Temperature. <i>International Journal of Nanoscience</i> , 2015, 14, 1550011.	0.4	18

#	ARTICLE	IF	CITATIONS
19	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.	1.3	15
20	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.	5.1	15
21	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.	1.1	11
22	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.	1.3	8
23	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.	1.7	8
24	Magnetic and dielectric study of nanoparticles of Cu-ferrite prepared by explosion technique. <i>Materials Today: Proceedings</i> , 2020, 28, 294-297.	0.9	7
25	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.	1.7	6
26	UV-Visible spectroscopic study of ZnS nanostructures synthesized by a novel micellar method. <i>Journal of Materials Science</i> , 2012, 47, 2903-2909.	1.7	5
27	Structural and optical properties of CdZnS nanoparticles by exploding wire technique. <i>Materials Today: Proceedings</i> , 2020, 28, 278-281.	0.9	5
28	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> , 2021, 32, 26857-26870.	1.1	5
29	Bacteria Cellulose: Biopolymer from <i>Gluconacetobacter Xylinus</i> . <i>Macromolecular Symposia</i> , 2015, 347, 27-31.	0.4	4
30	Nanostructured Zn-Cu ferrite: Structural, magnetic properties and application. <i>AIP Conference Proceedings</i> , 2018, . .	0.3	4
31	Enhanced Production of Fungal Chitosan from <i>Aspergillus Niger</i> & Using & Statistical & Optimization. <i>Journal of Chitin and Chitosan Science</i> , 2014, 2, 70-74.	0.3	4
32	Water driven stabilization of ZnS nanoparticles prepared by exploding wire technique. <i>Materials Research Express</i> , 2014, 1, 025001.	0.8	3
33	Labyrinth patterns of zinc oxide on porous silicon substrate. <i>Superlattices and Microstructures</i> , 2014, 67, 72-81.	1.4	3
34	Impedance spectroscopic study of nanoscale Zn-Cu ferrite prepared by exploding wire technique. <i>AIP Conference Proceedings</i> , 2019, . .	0.3	2
35	Improved Crystallinity of Zinc Sulfide Nanoparticles in Aqueous Environment. <i>Materials Research Society Symposia Proceedings</i> , 2005, 879, 1.	0.1	1
36	Structural Evolution of Nickel Doped Zinc Oxide Nanostructures. <i>Materials Research Society Symposia Proceedings</i> , 2013, 1551, 47-52.	0.1	1

#	ARTICLE	IF	CITATIONS
37	Water-driven stabilization of cadmium sulphide nanoparticles. Applied Surface Science, 2017, 425, 576-584.	3.1	1
38	Cation positions and electron spin resonance study of nanostructured Zn-Cu ferrite. AIP Conference Proceedings, 2018, , .	0.3	1
39	Realization of Nano-Resister Employing Single Electron Transistor. Journal of Computational and Theoretical Nanoscience, 2008, 5, 685-688.	0.4	0
40	Dopant concentration dependent growth of Fe:ZnO nanostructures. AIP Conference Proceedings, 2016, , .	0.3	0
41	Tuning of band gap energy of semiconducting Zn-Cu nanoferrite by varying ions (Cu +2, Zn+2) concentration. AIP Conference Proceedings, 2019, , .	0.3	0