

Latha Kumari

List of Publications by Year in descending order

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42
papers

1,941
citations

361413

20
h-index

243625

44
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46
all docs

46
docs citations

46
times ranked

3064
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis, characterization and optical properties of Mg(OH) ₂ micro-/nanostructure and its conversion to MgO. <i>Ceramics International</i> , 2009, 35, 3355-3364.	4.8	237
2	Controlled Hydrothermal Synthesis of Zirconium Oxide Nanostructures and Their Optical Properties. <i>Crystal Growth and Design</i> , 2009, 9, 3874-3880.	3.0	174
3	Thermal properties of CNT-Alumina nanocomposites. <i>Composites Science and Technology</i> , 2008, 68, 2178-2183.	7.8	156
4	Synthesis and Thermoelectric Properties of Bi ₂ Se ₃ Nanostructures. <i>Nanoscale Research Letters</i> , 2011, 6, 57.	5.7	142
5	X-ray diffraction and Raman scattering studies on large-area array and nanobranched structure of 1D MoO ₂ nanorods. <i>Nanotechnology</i> , 2007, 18, 115717.	2.6	136
6	One-dimensional Bi ₂ O ₃ nanohooks: synthesis, characterization and optical properties. <i>Journal of Physics Condensed Matter</i> , 2007, 19, 406204.	1.8	104
7	Synthesis, microstructure and optical characterization of zirconium oxide nanostructures. <i>Ceramics International</i> , 2009, 35, 2401-2408.	4.8	100
8	Laser oxidation and wide-band photoluminescence of thermal evaporated bismuth thin films. <i>Journal Physics D: Applied Physics</i> , 2008, 41, 025405.	2.8	79
9	Mechanical properties of carbon nanotube–alumina nanocomposites synthesized by chemical vapor deposition and spark plasma sintering. <i>Composites Part A: Applied Science and Manufacturing</i> , 2009, 40, 86-93.	7.6	79
10	Vertically aligned and interconnected nickel oxide nanowalls fabricated by hydrothermal route. <i>Crystal Research and Technology</i> , 2009, 44, 495-499.	1.3	69
11	Synthesis, microstructure and electrical conductivity of carbon nanotube–alumina nanocomposites. <i>Ceramics International</i> , 2009, 35, 1775-1781.	4.8	67
12	Integration of Carbon Nanotubes to C-MEMS for On-chip Supercapacitors. <i>IEEE Nanotechnology Magazine</i> , 2010, 9, 734-740.	2.0	65
13	Synthesis of bismuth oxide nanostructures by an oxidative metal vapour phase deposition technique. <i>Nanotechnology</i> , 2007, 18, 295605.	2.6	63
14	Synthesis, structure and optical properties of zinc oxide hexagonal microprisms. <i>Crystal Research and Technology</i> , 2010, 45, 311-315.	1.3	55
15	Monoclinic zirconium oxide nanostructures synthesized by a hydrothermal route. <i>Nanotechnology</i> , 2008, 19, 195602.	2.6	54
16	Effects of deposition temperature and thickness on the structural properties of thermal evaporated bismuth thin films. <i>Applied Surface Science</i> , 2007, 253, 5931-5938.	6.1	40
17	Effect of Surfactants on the Structure and Morphology of Magnesium Borate Hydroxide Nanowhiskers Synthesized by Hydrothermal Route. <i>Nanoscale Research Letters</i> , 2010, 5, 149-157.	5.7	36
18	Effect of iodine incorporation on the electrical properties of amorphous conducting carbon films. <i>Carbon</i> , 2003, 41, 1841-1846.	10.3	30

#	ARTICLE	IF	CITATIONS
19	Zinc oxide micro- and nanoparticles: Synthesis, structure and optical properties. <i>Materials Research Bulletin</i> , 2010, 45, 190-196.	5.2	27
20	Nanosize Transition Metal Antimonides, NiSb and FeSb ₂ : Solvothermal Synthesis and Characterization. <i>Journal of Physical Chemistry C</i> , 2010, 114, 9573-9579.	3.1	25
21	Three-Dimensional Variable Range Hopping and Thermally Activated Conduction Mechanism of Polypyrrole/Zinc Cobalt Oxide Nanocomposites. <i>Journal of Physical Chemistry C</i> , 2020, 124, 21772-21781.	3.1	20
22	Self-assembly of Ni(OH) ₂ nanoflakelets to form hollow microspheres by hydrothermal route. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2009, 41, 1289-1292.	2.7	19
23	Solvothermal Synthesis, Structure and Optical Property of Nanosized CoSb ₃ Skutterudite. <i>Nanoscale Research Letters</i> , 2010, 5, 1698-1705.	5.7	19
24	Metal-insulator transition in iodinated amorphous conducting carbon films. <i>Carbon</i> , 2004, 42, 2133-2137.	10.3	15
25	Structural and electrical properties of amorphous carbon-sulfur composite films. <i>Bulletin of Materials Science</i> , 2004, 27, 289-294.	1.7	14
26	Synthesis and structure of undoped and indium-doped thermoelectric lead telluride nanoparticles. <i>Nanoscale Research Letters</i> , 2014, 9, 227.	5.7	14
27	Room temperature ac conductivity, dielectric properties and impedance analysis of polypyrrole-zinc cobalt oxide (PPy/ZCO) composites. <i>Physica B: Condensed Matter</i> , 2019, 573, 36-44.	2.7	12
28	Magnetoresistance and magnetic field induced metal-insulator transition in intercalated amorphous carbon. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2006, 129, 48-53.	3.5	11
29	Optical properties and electrical transport in intercalated amorphous carbon. <i>Materials Research Bulletin</i> , 2006, 41, 2000-2006.	5.2	11
30	Temperature-dependent transport properties of micro and nano-sized zinc cobalt oxide (ZnCo ₂ O ₄) and zinc manganese oxide (ZnMn ₂ O ₄) particles synthesized by a hydrothermal route. <i>Ceramics International</i> , 2020, 46, 22492-22503.	4.8	11
31	Synthesis and characterization of ruthenium dioxide nanostructures. <i>Journal of Materials Science</i> , 2011, 46, 4803-4811.	3.7	9
32	Structural, optical and electrical properties of sulfur-incorporated amorphous carbon films. <i>Applied Physics A: Materials Science and Processing</i> , 2009, 95, 343-349.	2.3	8
33	Characterization and thermal stability of iodinated amorphous conducting carbon films. <i>Thin Solid Films</i> , 2005, 471, 252-256.	1.8	7
34	Tuning of the metal-insulator transition in iodine incorporated amorphous carbon. <i>Journal of Applied Physics</i> , 2006, 99, 096107.	2.5	7
35	Structural and Optical Studies on Strontium-Filled CoSb ₃ Nanoparticles Via a Solvo-/Hydrothermal Method. <i>Journal of Electronic Materials</i> , 2021, 50, 1735-1741.	2.2	5
36	Investigation of temperature-dependent conduction mechanism in MnCo ₂ O ₄ /polypyrrole nanocomposites by three-dimensional variable range hopping (3D-VRH) and band-conduction model. <i>Journal of Applied Physics</i> , 2021, 130, .	2.5	4

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37	Effect of Sn doping at Sb sites on the structural and optical properties of Co ₂ Sb ₆ nanostructures. AIP Conference Proceedings, 2019, , .	0.4	3
38	Fabrication, structure and optical characterization of Ce filled CoSb ₃ nanostructure by solvothermal method. AIP Conference Proceedings, 2019, , .	0.4	2
39	Synthesis, structure and optical properties of Indium filled CoSb ₃ nanomaterials. Journal of Physics: Conference Series, 2020, 1495, 012006.	0.4	2
40	STUDY OF STRUCTURAL AND TRANSPORT PROPERTIES OF IODINATED AMORPHOUS CONDUCTING CARBON FILMS. International Journal of Nanoscience, 2004, 03, 549-554.	0.7	1
41	Synthesis and characterization of polypyrrole-Ce _{0.05} CoSb ₃ nanocomposites. Materials Today: Proceedings, 2021, 46, 2934-2939.	1.8	1
42	Studies on room-temperature acetone sensing properties of ZnCo ₂ O ₄ /PPy and MnCo ₂ O ₄ /PPy nanocomposites for diabetes diagnosis. Applied Physics A: Materials Science and Processing, 2022, 128, .	2.3	1