

Latha Kumari

List of Publications by Year in descending order

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42
papers

1,941
citations

361413

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243625

44
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46
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46
docs citations

46
times ranked

3064
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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. Journal of Applied Physics, 2021, 130, .	2.5	4
3	Structural and Optical Studies on Strontium-Filled CoSb ₃ Nanoparticles Via a Solvo-/Hydrothermal Method. Journal of Electronic Materials, 2021, 50, 1735-1741.	2.2	5
4	Synthesis and characterization of polypyrrole-Ce _{0.05} CoSb ₃ nanocomposites. Materials Today: Proceedings, 2021, 46, 2934-2939.	1.8	1
5	Synthesis, structure and optical properties of Indium filled CoSb ₃ nanomaterials. Journal of Physics: Conference Series, 2020, 1495, 012006.	0.4	2
6	Three-Dimensional Variable Range Hopping and Thermally Activated Conduction Mechanism of Polypyrrole/Zinc Cobalt Oxide Nanocomposites. Journal of Physical Chemistry C, 2020, 124, 21772-21781.	3.1	20
7	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. Ceramics International, 2020, 46, 22492-22503.	4.8	11
8	Room temperature ac conductivity, dielectric properties and impedance analysis of polypyrrole-zinc cobalt oxide (PPy/ZCO) composites. Physica B: Condensed Matter, 2019, 573, 36-44.	2.7	12
9	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
10	Fabrication, structure and optical characterization of Ce filled CoSb ₃ nanostructure by solvothermal method. AIP Conference Proceedings, 2019, , .	0.4	2
11	Synthesis and structure of undoped and indium-doped thermoelectric lead telluride nanoparticles. Nanoscale Research Letters, 2014, 9, 227.	5.7	14
12	Synthesis and Thermoelectric Properties of Bi ₂ Se ₃ Nanostructures. Nanoscale Research Letters, 2011, 6, 57.	5.7	142
13	Synthesis and characterization of ruthenium dioxide nanostructures. Journal of Materials Science, 2011, 46, 4803-4811.	3.7	9
14	Effect of Surfactants on the Structure and Morphology of Magnesium Borate Hydroxide Nanowhiskers Synthesized by Hydrothermal Route. Nanoscale Research Letters, 2010, 5, 149-157.	5.7	36
15	Solvothermal Synthesis, Structure and Optical Property of Nanosized CoSb ₃ Skutterudite. Nanoscale Research Letters, 2010, 5, 1698-1705.	5.7	19
16	Zinc oxide micro- and nanoparticles: Synthesis, structure and optical properties. Materials Research Bulletin, 2010, 45, 190-196.	5.2	27
17	Synthesis, structure and optical properties of zinc oxide hexagonal microprisms. Crystal Research and Technology, 2010, 45, 311-315.	1.3	55
18	Integration of Carbon Nanotubes to C-MEMS for On-chip Supercapacitors. IEEE Nanotechnology Magazine, 2010, 9, 734-740.	2.0	65

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19	Nanosize Transition Metal Antimonides, NiSb and FeSb ₂ : Solvothermal Synthesis and Characterization. Journal of Physical Chemistry C, 2010, 114, 9573-9579.	3.1	25
20	Vertically aligned and interconnected nickel oxide nanowalls fabricated by hydrothermal route. Crystal Research and Technology, 2009, 44, 495-499.	1.3	69
21	Synthesis, microstructure and optical characterization of zirconium oxide nanostructures. Ceramics International, 2009, 35, 2401-2408.	4.8	100
22	Structural, optical and electrical properties of sulfur-incorporated amorphous carbon films. Applied Physics A: Materials Science and Processing, 2009, 95, 343-349.	2.3	8
23	Self-assembly of Ni(OH) ₂ nanoflakelets to form hollow microspheres by hydrothermal route. Physica E: Low-Dimensional Systems and Nanostructures, 2009, 41, 1289-1292.	2.7	19
24	Synthesis, microstructure and electrical conductivity of carbon nanotube-alumina nanocomposites. Ceramics International, 2009, 35, 1775-1781.	4.8	67
25	Synthesis, characterization and optical properties of Mg(OH) ₂ micro-/nanostructure and its conversion to MgO. Ceramics International, 2009, 35, 3355-3364.	4.8	237
26	Controlled Hydrothermal Synthesis of Zirconium Oxide Nanostructures and Their Optical Properties. Crystal Growth and Design, 2009, 9, 3874-3880.	3.0	174
27	Mechanical properties of carbon nanotube-alumina nanocomposites synthesized by chemical vapor deposition and spark plasma sintering. Composites Part A: Applied Science and Manufacturing, 2009, 40, 86-93.	7.6	79
28	Thermal properties of CNT-Alumina nanocomposites. Composites Science and Technology, 2008, 68, 2178-2183.	7.8	156
29	Laser oxidation and wide-band photoluminescence of thermal evaporated bismuth thin films. Journal Physics D: Applied Physics, 2008, 41, 025405.	2.8	79
30	Monoclinic zirconium oxide nanostructures synthesized by a hydrothermal route. Nanotechnology, 2008, 19, 195602.	2.6	54
31	X-ray diffraction and Raman scattering studies on large-area array and nanobranched structure of 1D MoO ₂ nanorods. Nanotechnology, 2007, 18, 115717.	2.6	136
32	Synthesis of bismuth oxide nanostructures by an oxidative metal vapour phase deposition technique. Nanotechnology, 2007, 18, 295605.	2.6	63
33	One-dimensional Bi ₂ O ₃ nanohooks: synthesis, characterization and optical properties. Journal of Physics Condensed Matter, 2007, 19, 406204.	1.8	104
34	Effects of deposition temperature and thickness on the structural properties of thermal evaporated bismuth thin films. Applied Surface Science, 2007, 253, 5931-5938.	6.1	40
35	Magnetoresistance and magnetic field induced metal-insulator transition in intercalated amorphous carbon. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2006, 129, 48-53.	3.5	11
36	Optical properties and electrical transport in intercalated amorphous carbon. Materials Research Bulletin, 2006, 41, 2000-2006.	5.2	11

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37	Tuning of the metal-insulator transition in iodine incorporated amorphous carbon. Journal of Applied Physics, 2006, 99, 096107.	2.5	7
38	Characterization and thermal stability of iodinated amorphous conducting carbon films. Thin Solid Films, 2005, 471, 252-256.	1.8	7
39	Structural and electrical properties of amorphous carbon-sulfur composite films. Bulletin of Materials Science, 2004, 27, 289-294.	1.7	14
40	Metal-insulator transition in iodinated amorphous conducting carbon films. Carbon, 2004, 42, 2133-2137.	10.3	15
41	STUDY OF STRUCTURAL AND TRANSPORT PROPERTIES OF IODINATED AMORPHOUS CONDUCTING CARBON FILMS. International Journal of Nanoscience, 2004, 03, 549-554.	0.7	1
42	Effect of iodine incorporation on the electrical properties of amorphous conducting carbon films. Carbon, 2003, 41, 1841-1846.	10.3	30