

Vijay Kumar

List of Publications by Year in descending order

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34
papers

265
citations

1039880

9
h-index

996849

15
g-index

34
all docs

34
docs citations

34
times ranked

345
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural, thermal and magnetic investigations of cobalt ferrite doped with Zn ²⁺ and Cd ²⁺ synthesized by auto combustion method. Journal of Magnetism and Magnetic Materials, 2019, 474, 505-511.	1.0	68
2	Effect of Cu-doping on the photoluminescence and photoconductivity of template synthesized CdS nanowires. Journal of Physics and Chemistry of Solids, 2019, 124, 1-6.	1.9	33
3	Optical characterization of poly(methyl methacrylate) implanted with low energy ions. Applied Surface Science, 2012, 263, 334-338.	3.1	30
4	Large scale synthesis of cadmium selenide nanowires using template synthesis technique and their characterization. Superlattices and Microstructures, 2010, 48, 66-71.	1.4	15
5	Influence of lubricants on the performance of journal bearings – a review. Tribology - Materials, Surfaces and Interfaces, 2020, 14, 67-78.	0.6	15
6	Structural, optical and electrical properties of Ni doped ZnO nanostructures synthesized by solution combustion method. Journal of Materials Science: Materials in Electronics, 2018, 29, 1327-1332.	1.1	12
7	SHI induced modifications in SnO ₂ thin films: Structural, optical and surface morphological studies. Nuclear Instruments & Methods in Physics Research B, 2012, 286, 295-298.	0.6	11
8	Annealing effect on the structural and dielectric properties of hematite nanoparticles. AIP Conference Proceedings, 2018, , .	0.3	11
9	Morphology and time resolved photoluminescence of electrochemically synthesized zinc oxide nanowires. Journal of Materials Science: Materials in Electronics, 2010, 21, 1277-1280.	1.1	10
10	Recycling of Waste and Used Papers: A Useful Contribution in Conservation of Environment: A Case Study. Asian Journal of Water, Environment and Pollution, 2017, 14, 31-36.	0.4	10
11	Green Tea Enhances Nutritional and Antioxidant Potential of Pearl Millet Based Cookies: A Healthy Approach. International Journal of Current Research and Review (discontinued), 2020, 12, 48-54.	0.1	6
12	Optical studies of electrochemically synthesized CdS nanowires. Journal of Materials Science: Materials in Electronics, 2011, 22, 335-338.	1.1	5
13	Crystalline to amorphous phase transition of tin oxide nanocrystals induced by SHI at low temperature. AIP Conference Proceedings, 2012, , .	0.3	5
14	ELECTRICAL TRANSPORT THROUGH MICRO POROUS TRACK ETCH MEMBRANES OF SAME POROSITY. Modern Physics Letters B, 2012, 26, 1250209.	1.0	5
15	Annealing led conversion from polypyrrole to carbon nitride nanowires and the fabrication of highly efficient ammonia sensing device. Journal of Materials Science: Materials in Electronics, 2017, 28, 17791-17797.	1.1	5
16	Prediction of maximum pressure of journal bearing using ANN with multiple input parameters. Australian Journal of Mechanical Engineering, 2020, , 1-10.	1.5	4
17	Synthesis and Characterization of ZnO Nanoparticles Using Combustion Method. AIP Conference Proceedings, 2011, , .	0.3	3
18	SHI Irradiation Induced Amorphization Of Nanocrystalline Tin Oxide Thin Film At Low Temperature. Advanced Materials Letters, 2014, 5, 666-670.	0.3	3

#	ARTICLE	IF	CITATIONS
19	Influence of Surface Treatments on Erosion Behavior of Various Steel Alloys- A Literature Review. Tribology Online, 2018, 13, 254-261.	0.2	3
20	LARGE SCALE SYNTHESIS OF Ag ₂ S NANOWIRES AND THEIR ELECTRICAL CHARACTERIZATION. International Journal of Nanoscience, 2012, 11, 1250012.	0.4	2
21	Energy loss for heavy ions in polymers: A possible correlation with the induced changes in optical and electrical properties. IOP Conference Series: Materials Science and Engineering, 2015, 73, 012021.	0.3	2
22	Improvement in quality of handmade paper materials by recycling of waste papers and PPE kits. Materials Today: Proceedings, 2021, 46, 11274-11278.	0.9	2
23	Predictions of Minimum Fluid Film Thickness of Journal Bearing Using Feed-Forward Neural Network. Smart Innovation, Systems and Technologies, 2020, , 229-237.	0.5	2
24	100 MeV Ag Ion Irradiation Induced Structural and Optical Modifications in PLD Grown Tin Oxide Thin Films. , 2011, , .		1
25	Investigation of ion beam mixing threshold value in Mn/Si system using swift heavy ions. Radiation Effects and Defects in Solids, 2013, 168, 607-614.	0.4	1
26	Synthesis and characterization of ZnO nanostructured film for optoelectronic applications. AIP Conference Proceedings, 2015, , .	0.3	1
27	LARGE-SCALE SYNTHESIS OF UNIFORM SILVER BROMIDE NANOWIRES USING ION TRACK MEMBRANE AS TEMPLATE. Functional Materials Letters, 2010, 03, 259-262.	0.7	0
28	Formation and modifications of nanostructures of tin oxide by SHI irradiation. Radiation Effects and Defects in Solids, 2013, 168, 490-497.	0.4	0
29	Change in Temperature of Skin, Blood, Muscle and Bone Tissues Due to Mobile Phone Radiations at Frequencies 800, 900, 1800 and 2450 MHz. American Journal of Engineering and Applied Sciences, 2015, 8, 390-398.	0.3	0
30	Influence of Synthesis-Dependent Structural Morphology on Performance of Natural Dye-Sensitized ZnO Solar Cells. Jom, 2019, 71, 1477-1484.	0.9	0
31	Effect of substrate surface conditions on tribological behaviour of machine element coating. Australian Journal of Mechanical Engineering, 2020, , 1-8.	1.5	0
32	Analysis on Worldwide Coronavirus (COVID-19) Cases. Eastern Journal of Medicine, 2020, 25, 591-599.	0.1	0
33	The waste paper Management in Educational Institute and Improvement in Quality of Hand Made Papers. International Journal of Social Ecology and Sustainable Development, 2022, 13, 0-0.	0.1	0
34	1,3,4-Trisubstituted Pyrazoles: Synthesis, Antimicrobial Evaluation, and Time Resolved Studies. Polycyclic Aromatic Compounds, 0, , 1-13.	1.4	0