

Nagaprasad N

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Examining Impacts of Acidic Bath Temperature on Nano-Synthesized Lead Selenide Thin Films for the Application of Solar Cells. <i>Bioinorganic Chemistry and Applications</i> , 2022, 2022, 1-5.	4.1	2
2	Synthesis, Characterization, and Antibacterial Activity of ZnO Nanoparticles from Fresh Leaf Extracts of Apocynaceae, <i>Carissa spinarum</i> L. (Hagamsa). <i>Journal of Nanomaterials</i> , 2022, 2022, 1-6.	2.7	18
3	Investigations of Optical Coulomb Blockade Oscillations in Plasmonic Nanoparticle Dimers. <i>International Journal of Photoenergy</i> , 2022, 2022, 1-6.	2.5	0
4	Effect of Sodium Selenosulfate Concentration on Microstructural, Morphological, and Luminescence Characteristics of Cadmium Selenide Nanoparticles. <i>Journal of Nanomaterials</i> , 2022, 2022, 1-5.	2.7	0
5	Using an Artificial Neural Network to Validate and Predict the Physical Properties of Self-Compacting Concrete. <i>Advances in Materials Science and Engineering</i> , 2022, 2022, 1-10.	1.8	2
6	Exergy Performance Investigation of Eco-Friendly Refrigerant Mixtures as an Alternative to R134a in a Domestic Refrigerator. <i>International Journal of Photoenergy</i> , 2022, 2022, 1-9.	2.5	2
7	Investigating the Influence of Bath Temperature on the Chemical Bath Deposition of Nanosynthesized Lead Selenide Thin Films for Photovoltaic Application. <i>Journal of Nanomaterials</i> , 2022, 2022, 1-6.	2.7	5
8	Studies on Mechanical Characterisation of Bio-Fibre Reinforced Polymer Composites. <i>Composites Science and Technology</i> , 2022, , 143-155.	0.6	2
9	Multiresponse Optimization of Wire Electrical Discharge Machining Parameters for Ti-6Al-2Sn-4Zr-2Mo ($\bar{I}_{\pm 1}^2$) Alloy Using Taguchi-Grey Relational Approach. <i>Advances in Materials Science and Engineering</i> , 2022, 2022, 1-13.	1.8	17
10	Energy recovery of waste plastics into diesel fuel with ethanol and ethoxy ethyl acetate additives on circular economy strategy. <i>Scientific Reports</i> , 2022, 12, 5330.	3.3	27
11	Investigation on the Performance of Domestic Refrigerator with Zirconium Oxide-R134a Nanorefrigerant. <i>Journal of Nanomaterials</i> , 2022, 2022, 1-11.	2.7	4
12	Analysis of the Performance Characteristics of ZnO Nanoparticles ^{â€™} Dispersed Polyester Oil. <i>Advances in Materials Science and Engineering</i> , 2022, 2022, 1-10.	1.8	3
13	Improved Chicken Reproduction and Yield of Improved Poultry from Titanium Dioxide (TiO ₂) Nanoparticles Coated in Jimma Horro Area of Kellem Wollega Zone, Ethiopia. <i>Advances in Materials Science and Engineering</i> , 2022, 2022, 1-7.	1.8	2
14	Synchronous and Futuristic Views on the Application of Silver Nanoparticles: A Journey towards Green Synthesis. <i>Journal of Nanomaterials</i> , 2022, 2022, 1-9.	2.7	2
15	Extraction and Characterization of Agricultural Discarded <i>Sesbania aculeata</i> Stem Waste as Potential Alternate for Synthetic Fibers in Polymer Composites. <i>Journal of Natural Fibers</i> , 2022, 19, 10601-10615.	3.1	3
16	Artificial Neural Network Modeling of Abrasion Loss and Surface Roughness of Crab Carapace Impregnated Coir Vinyl Ester Composites. <i>Advances in Materials Science and Engineering</i> , 2022, 2022, 1-8.	1.8	1
17	Investigation of TiO ₂ Nanoparticles Using Leaf Extracts of <i>Lippia adoensis</i> (Kusaayee) for Antibacterial Activity. <i>Journal of Nanomaterials</i> , 2022, 2022, 1-8.	2.7	6
18	Fluorescence and UV/visible spectroscopic investigation of orange and mango fruit juice quality in case of Adama Town. <i>Scientific Reports</i> , 2022, 12, 7345.	3.3	3

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19	Factors Associated with the Prevalence of Hepatitis B among Volunteer Blood Donors at Jimma Blood Bank, South Ethiopia. Canadian Journal of Gastroenterology and Hepatology, 2022, 2022, 1-5.	1.9	2
20	Reduction of environmental chemicals, toxicity and particulate matter in wet scrubber device to achieve zero emissions. Scientific Reports, 2022, 12, .	3.3	5
21	Synthesis and Characterization of Iron Doped Titanium Dioxide (Fe:TiO ₂) Nanoprecipitate at Different pH Values for Applications of Self-Cleaning Materials. Advances in Materials Science and Engineering, 2022, 2022, 1-9.	1.8	2
22	Synthesis of Plant-Derived Khat Waste for Environmental Application. Journal of Nanomaterials, 2022, 2022, 1-9.	2.7	3
23	Polymeric Droplets on SiO ₂ Nanoparticles through Wastewater Treatment of Carbon-Based Contaminants in Photocatalytic Degradation. Journal of Nanomaterials, 2022, 2022, 1-7.	2.7	1
24	Applicability of cellulosic-based <i>Polyalthia longigolia</i> seed filler reinforced vinyl ester biocomposites on tribological performance. Polymer Composites, 2021, 42, 791-804.	4.6	25
25	Experimental investigation on the impacts of annealing temperatures on titanium dioxide nanoparticles structure, size and optical properties synthesized through sol-gel methods. Materials Today: Proceedings, 2021, 45, 5752-5758.	1.8	29
26	Design and analysis of serial drilled hole in composite material. Materials Today: Proceedings, 2021, 45, 5759-5763.	1.8	17
27	Indian mallow fiber reinforced polyester composites: mechanical and thermal properties. Journal of Materials Research and Technology, 2021, 11, 274-284.	5.8	25
28	Experimental study of mechanical properties of AA6061 and AA7075 alloy joints using friction stir welding. Materials Today: Proceedings, 2021, 47, 4330-4335.	1.8	12
29	Evaluate the structural and thermal analysis of solid and cross drilled rotor by using finite element analysis. Materials Today: Proceedings, 2021, 47, 4686-4691.	1.8	7
30	Investigation of Dynamic, Mechanical, and Thermal Properties of Calotropis procera Particle-Reinforced PLA Biocomposites. Advances in Materials Science and Engineering, 2021, 2021, 1-7.	1.8	14
31	Application of Titanium Dioxide Nanoparticles Synthesized by Sol-Gel Methods in Wastewater Treatment. Journal of Nanomaterials, 2021, 2021, 1-6.	2.7	20
32	Green Synthesis, Characterization of Zinc Oxide Nanoparticles, and Examination of Properties for Dye-Sensitive Solar Cells Using Various Vegetable Extracts. Journal of Nanomaterials, 2021, 2021, 1-9.	2.7	40
33	Green Synthesis and Characterizations of Zinc Oxide (ZnO) Nanoparticles Using Aqueous Leaf Extracts of Coffee (<i>Coffea arabica</i>) and Its Application in Environmental Toxicity Reduction. Journal of Nanomaterials, 2021, 2021, 1-6.	2.7	28
34	Green versus Chemical Precipitation Methods of Preparing Zinc Oxide Nanoparticles and Investigation of Antimicrobial Properties. Journal of Nanomaterials, 2021, 2021, 1-10.	2.7	28
35	Synthesis of Zinc Oxide Nanoparticles by Hydrothermal Methods and Spectroscopic Investigation of Ultraviolet Radiation Protective Properties. Journal of Nanomaterials, 2021, 2021, 1-10.	2.7	36
36	Review on Silver Nanoparticle Synthesis Method, Antibacterial Activity, Drug Delivery Vehicles, and Toxicity Pathways: Recent Advances and Future Aspects. Journal of Nanomaterials, 2021, 2021, 1-11.	2.7	26

#	ARTICLE	IF	CITATIONS
37	Synthesis and Characterization of Zinc Oxide Nanoparticles Using Moringa Leaf Extract. Journal of Nanomaterials, 2021, 2021, 1-6.	2.7	14
38	Investigation of Light Parameters on Image Quality and Optical Coherence Tomography. International Journal of Optics, 2021, 2021, 1-6.	1.4	0
39	Groundwater Potential Assessment Using Vertical Electrical Sounding and Magnetic Methods: A Case of Adilo Catchment, South Nations, Nationalities and Peoples Regional Government, Ethiopia. Concepts in Magnetic Resonance Part A: Bridging Education and Research, 2021, 2021, 1-11.	0.5	3
40	Evaluation of mechanical, thermal and water absorption behaviors of Polyalthia longifolia seed reinforced vinyl ester composites. Carbohydrate Polymers, 2020, 248, 116748.	10.2	40
41	Evaluation of mechanical and thermal properties of tamarind seed filler reinforced vinyl ester composites. Journal of Vinyl and Additive Technology, 2019, 25, E114.	3.4	45
42	Biobutanol preparation through sugar-rich biomass by Clostridium saccharoperbutylaceticum conversion using ZnO nanoparticle catalyst. Biomass Conversion and Biorefinery, 0, , 1.	4.6	7
43	Preparation of biobutanol via coffee bean harsh extracts by zinc oxide nanoparticle as catalyst. Biomass Conversion and Biorefinery, 0, , .	4.6	5