

Nagaprasad N

List of Publications by Year in descending order

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43
papers

534
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687363

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docs citations

45
times ranked

228
citing authors

#	ARTICLE	IF	CITATIONS
1	Evaluation of mechanical and thermal properties of tamarind seed filler reinforced vinyl ester composites. <i>Journal of Vinyl and Additive Technology</i> , 2019, 25, E114.	3.4	45
2	Evaluation of mechanical, thermal and water absorption behaviors of <i>Polyalthia longifolia</i> seed reinforced vinyl ester composites. <i>Carbohydrate Polymers</i> , 2020, 248, 116748.	10.2	40
3	Green Synthesis, Characterization of Zinc Oxide Nanoparticles, and Examination of Properties for Dye-Sensitive Solar Cells Using Various Vegetable Extracts. <i>Journal of Nanomaterials</i> , 2021, 2021, 1-9.	2.7	40
4	Synthesis of Zinc Oxide Nanoparticles by Hydrothermal Methods and Spectroscopic Investigation of Ultraviolet Radiation Protective Properties. <i>Journal of Nanomaterials</i> , 2021, 2021, 1-10.	2.7	36
5	Experimental investigation on the impacts of annealing temperatures on titanium dioxide nanoparticles structure, size and optical properties synthesized through sol-gel methods. <i>Materials Today: Proceedings</i> , 2021, 45, 5752-5758.	1.8	29
6	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. <i>Journal of Nanomaterials</i> , 2021, 2021, 1-6.	2.7	28
7	Green versus Chemical Precipitation Methods of Preparing Zinc Oxide Nanoparticles and Investigation of Antimicrobial Properties. <i>Journal of Nanomaterials</i> , 2021, 2021, 1-10.	2.7	28
8	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
9	Review on Silver Nanoparticle Synthesis Method, Antibacterial Activity, Drug Delivery Vehicles, and Toxicity Pathways: Recent Advances and Future Aspects. <i>Journal of Nanomaterials</i> , 2021, 2021, 1-11.	2.7	26
10	Applicability of cellulose-based <i>Polyalthia longifolia</i> seed filler reinforced vinyl ester biocomposites on tribological performance. <i>Polymer Composites</i> , 2021, 42, 791-804.	4.6	25
11	Indian mallow fiber reinforced polyester composites: mechanical and thermal properties. <i>Journal of Materials Research and Technology</i> , 2021, 11, 274-284.	5.8	25
12	Application of Titanium Dioxide Nanoparticles Synthesized by Sol-Gel Methods in Wastewater Treatment. <i>Journal of Nanomaterials</i> , 2021, 2021, 1-6.	2.7	20
13	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
14	Design and analysis of serial drilled hole in composite material. <i>Materials Today: Proceedings</i> , 2021, 45, 5759-5763.	1.8	17
15	Multiresponse Optimization of Wire Electrical Discharge Machining Parameters for Ti-6Al-2Sn-4Zr-2Mo (β -Ti) Alloy Using Taguchi-Grey Relational Approach. <i>Advances in Materials Science and Engineering</i> , 2022, 2022, 1-13.	1.8	17
16	Investigation of Dynamic, Mechanical, and Thermal Properties of <i>Calotropis procera</i> Particle-Reinforced PLA Biocomposites. <i>Advances in Materials Science and Engineering</i> , 2021, 2021, 1-7.	1.8	14
17	Synthesis and Characterization of Zinc Oxide Nanoparticles Using Moringa Leaf Extract. <i>Journal of Nanomaterials</i> , 2021, 2021, 1-6.	2.7	14
18	Experimental study of mechanical properties of AA6061 and AA7075 alloy joints using friction stir welding. <i>Materials Today: Proceedings</i> , 2021, 47, 4330-4335.	1.8	12

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19	Evaluate the structural and thermal analysis of solid and cross drilled rotor by using finite element analysis. <i>Materials Today: Proceedings</i> , 2021, 47, 4686-4691.	1.8	7
20	Biobutanol preparation through sugar-rich biomass by <i>Clostridium saccharoperbutylacetonicum</i> conversion using ZnO nanoparticle catalyst. <i>Biomass Conversion and Biorefinery</i> , 0, , 1.	4.6	7
21	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
22	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
23	Preparation of biobutanol via coffee bean harsh extracts by zinc oxide nanoparticle as catalyst. <i>Biomass Conversion and Biorefinery</i> , 0, , .	4.6	5
24	Reduction of environmental chemicals, toxicity and particulate matter in wet scrubber device to achieve zero emissions. <i>Scientific Reports</i> , 2022, 12, .	3.3	5
25	Investigation on the Performance of Domestic Refrigerator with Zirconium Oxide-R134a Nanorefrigerant. <i>Journal of Nanomaterials</i> , 2022, 2022, 1-11.	2.7	4
26	Analysis of the Performance Characteristics of ZnO Nanoparticlesâ€™ Dispersed Polyester Oil. <i>Advances in Materials Science and Engineering</i> , 2022, 2022, 1-10.	1.8	3
27	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
28	Groundwater Potential Assessment Using Vertical Electrical Sounding and Magnetic Methods: A Case of Adilo Catchment, South Nations, Nationalities and Peoples Regional Government, Ethiopia. <i>Concepts in Magnetic Resonance Part A: Bridging Education and Research</i> , 2021, 2021, 1-11.	0.5	3
29	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
30	Synthesis of Plant-Derived Khat Waste for Environmental Application. <i>Journal of Nanomaterials</i> , 2022, 2022, 1-9.	2.7	3
31	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
32	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
33	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
34	Studies on Mechanical Characterisation of Bio-Fibre Reinforced Polymer Composites. <i>Composites Science and Technology</i> , 2022, , 143-155.	0.6	2
35	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
36	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

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37	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
38	Synthesis and Characterization of Iron Doped Titanium Dioxide (Fe:â€%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
39	Artificial Neural Network Modeling of Abrasion Loss and Surface Roughness of Crab Carapace Impregnated Coir Vinyl Ester Composites. Advances in Materials Science and Engineering, 2022, 2022, 1-8.	1.8	1
40	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
41	Investigation of Light Parameters on Image Quality and Optical Coherence Tomography. International Journal of Optics, 2021, 2021, 1-6.	1.4	0
42	Investigations of Optical Coulomb Blockade Oscillations in Plasmonic Nanoparticle Dimers. International Journal of Photoenergy, 2022, 2022, 1-6.	2.5	0
43	Effect of Sodium Selenosulfate Concentration on Microstructural, Morphological, and Luminescence Characteristics of Cadmium Selenide Nanoparticles. Journal of Nanomaterials, 2022, 2022, 1-5.	2.7	0