

# Krishnaraj Ramaswamy

## List of Publications by Year in descending order

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Version: 2024-02-01

37  
papers

434  
citations

759233

12  
h-index

794594

19  
g-index

37  
all docs

37  
docs citations

37  
times ranked

138  
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanomaterials for Remediation of Environmental Pollutants. <i>Bioinorganic Chemistry and Applications</i> , 2021, 2021, 1-16.	4.1	60
2	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
3	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
4	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
5	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
6	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
7	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
8	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
9	Design and analysis of serial drilled hole in composite material. <i>Materials Today: Proceedings</i> , 2021, 45, 5759-5763.	1.8	17
10	Studying the Effect of Metallic Precursor Concentration on the Structural, Optical, and Morphological Properties of Zinc Sulfide Thin Films in Photovoltaic Cell Applications. <i>Advances in Materials Science and Engineering</i> , 2021, 2021, 1-6.	1.8	17
11	Phytosynthesis of Titanium Dioxide Nanoparticles Using King of Bitter <i>Andrographis paniculata</i> and Its Embryonic Toxicology Evaluation and Biomedical Potential. <i>Bioinorganic Chemistry and Applications</i> , 2021, 2021, 1-11.	4.1	17
12	Multiresponse Optimization of Wire Electrical Discharge Machining Parameters for Ti-6Al-2Sn-4Zr-2Mo ( $\pm 1\sigma$ ) Alloy Using Taguchi-Grey Relational Approach. <i>Advances in Materials Science and Engineering</i> , 2022, 2022, 1-13.	1.8	17
13	Synthesis and Characterization of Zinc Oxide Nanoparticles Using Moringa Leaf Extract. <i>Journal of Nanomaterials</i> , 2021, 2021, 1-6.	2.7	14
14	Sustainability and Environmental Impact of Ethanol and Oxyhydrogen Addition on Nanocoated Gasoline Engine. <i>Bioinorganic Chemistry and Applications</i> , 2022, 2022, 1-12.	4.1	13
15	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
16	Effect of Manganese Ions on Spectroscopic and Insulating Properties of Aluminophosphate Glasses. <i>Advances in Materials Science and Engineering</i> , 2021, 2021, 1-11.	1.8	9
17	Anticancer, Enhanced Antibacterial, and Free Radical Scavenging Potential of Fucoïdan- (Fucus) Tj ETQq1 1 0.784314 rgBT /Overlock 10 2021, 1-11.	4.0	8
18	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

#	ARTICLE	IF	CITATIONS
19	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
20	Investigation of TiO <sub>2</sub> 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
21	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
22	Preparation of biobutanol via coffee bean harsh extracts by zinc oxide nanoparticle as catalyst. <i>Biomass Conversion and Biorefinery</i> , 0, , .	4.6	5
23	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
24	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
25	Synthesis of Plant-Derived Khat Waste for Environmental Application. <i>Journal of Nanomaterials</i> , 2022, 2022, 1-9.	2.7	3
26	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
27	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
28	Improved Chicken Reproduction and Yield of Improved Poultry from Titanium Dioxide (TiO <sub>2</sub> ) 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
29	Factors Associated with the Prevalence of Hepatitis B among Volunteer Blood Donors at Jimma Blood Bank, South Ethiopia. <i>Canadian Journal of Gastroenterology and Hepatology</i> , 2022, 2022, 1-5.	1.9	2
30	Synthesis and Characterization of Iron Doped Titanium Dioxide (Fe:â€%TiO <sub>2</sub> ) Nanoprecipitate at Different pH Values for Applications of Self-Cleaning Materials. <i>Advances in Materials Science and Engineering</i> , 2022, 2022, 1-9.	1.8	2
31	Curcumin-Based Inhibitors of Thrombosis and Cancer Metastasis Promoting Factor CLEC 2 from Traditional Medicinal Species <i>Curcuma longa</i> . <i>Evidence-based Complementary and Alternative Medicine</i> , 2022, 2022, 1-14.	1.2	1
32	Investigation of Friction Stir-Welded B4C Particles-Reinforced Copper Joint: Mechanical, Fatigue, and Metallurgical Properties. <i>Advances in Materials Science and Engineering</i> , 2022, 2022, 1-11.	1.8	1
33	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
34	Polymeric Droplets on SiO <sub>2</sub> Nanoparticles through Wastewater Treatment of Carbon-Based Contaminants in Photocatalytic Degradation. <i>Journal of Nanomaterials</i> , 2022, 2022, 1-7.	2.7	1
35	Investigation of Light Parameters on Image Quality and Optical Coherence Tomography. <i>International Journal of Optics</i> , 2021, 2021, 1-6.	1.4	0
36	Investigations of Optical Coulomb Blockade Oscillations in Plasmonic Nanoparticle Dimers. <i>International Journal of Photoenergy</i> , 2022, 2022, 1-6.	2.5	0

#	ARTICLE	IF	CITATIONS
37	Effect of Sodium Selenosulfate Concentration on Microstructural, Morphological, and Luminescence Characteristics of Cadmium Selenide Nanoparticles. Journal of Nanomaterials, 2022, 1-5.	2.7	0