

Doga Kavaz

List of Publications by Year in descending order

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Version: 2024-02-01

47
papers

1,709
citations

236612

25
h-index

288905

40
g-index

48
all docs

48
docs citations

48
times ranked

1798
citing authors

#	ARTICLE	IF	CITATIONS
1	Biosynthesis of zinc oxide nanoparticles using <i>Albizia lebbeck</i> stem bark, and evaluation of its antimicrobial, antioxidant, and cytotoxic activities on human breast cancer cell lines. <i>International Journal of Nanomedicine</i> , 2019, Volume 14, 87-100.	3.3	195
2	An experimental investigation into the effect of particle mixture ratio on specific heat capacity and dynamic viscosity of Al ₂ O ₃ -ZnO hybrid nanofluids. <i>Powder Technology</i> , 2020, 363, 699-716.	2.1	127
3	Review of ternary hybrid nanofluid: Synthesis, stability, thermophysical properties, heat transfer applications, and environmental effects. <i>Journal of Cleaner Production</i> , 2021, 328, 129525.	4.6	98
4	Emerging Technologies for Assembly of Microscale Hydrogels. <i>Advanced Healthcare Materials</i> , 2012, 1, 149-158.	3.9	83
5	Paramagnetic Levitational Assembly of Hydrogels. <i>Advanced Materials</i> , 2013, 25, 1137-1143.	11.1	77
6	Release of Magnetic Nanoparticles from Cell-Encapsulating Biodegradable Nanobiomaterials. <i>ACS Nano</i> , 2012, 6, 6640-6649.	7.3	74
7	Thermal performance analysis of a parabolic trough collector using water-based green-synthesized nanofluids. <i>Solar Energy</i> , 2018, 170, 658-670.	2.9	72
8	Comparison of experimental and theoretical methods of obtaining the thermal properties of alumina/iron mono and hybrid nanofluids. <i>Journal of Molecular Liquids</i> , 2019, 292, 111377.	2.3	72
9	Physiochemical characterization, antioxidative, anticancer cells proliferation and food pathogens antibacterial activity of chitosan nanoparticles loaded with <i>Cyperus articulatus</i> rhizome essential oils. <i>International Journal of Biological Macromolecules</i> , 2019, 123, 837-845.	3.6	66
10	Thermodynamic evaluation and optimization of a flat plate collector operating with alumina and iron mono and hybrid nanofluids. <i>Sustainable Energy Technologies and Assessments</i> , 2020, 37, 100636.	1.7	65
11	Nanofluids in Solar Thermal Collectors: Review and Limitations. <i>International Journal of Thermophysics</i> , 2020, 41, 1.	1.0	60
12	Bleomycin Loaded Magnetic Chitosan Nanoparticles as Multifunctional Nanocarriers. <i>Journal of Bioactive and Compatible Polymers</i> , 2010, 25, 305-318.	0.8	55
13	Effect of extraction temperature and solvent type on the bioactive potential of <i>Ocimum gratissimum</i> L. extracts. <i>Scientific Reports</i> , 2020, 10, 21760.	1.6	49
14	Effect of hybrid nanofluids mixture ratio on the performance of a photovoltaic thermal collector. <i>International Journal of Energy Research</i> , 2020, 44, 9064-9081.	2.2	47
15	An experimental investigation of thermal conductivity and dynamic viscosity of Al ₂ O ₃ -ZnO-Fe ₃ O ₄ ternary hybrid nanofluid and development of machine learning model. <i>Powder Technology</i> , 2021, 394, 1121-1140.	2.1	47
16	<i>p</i> >Chitosan And N, N, N-Trimethyl Chitosan Nanoparticle Encapsulation Of <i>ocimum Gratissimum</i> Essential Oil: Optimised Synthesis, In Vitro Release And Bioactivity</p>	3.3	46
17	Synthesis, characterization and anticorrosion property of olive leaves extract-titanium nanoparticles composite. <i>Journal of Adhesion Science and Technology</i> , 2018, 32, 1773-1794.	1.4	43
18	An intelligent approach to predicting the effect of nanoparticle mixture ratio, concentration and temperature on thermal conductivity of hybrid nanofluids. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021, 144, 671-688.	2.0	41

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19	A critical review of specific heat capacity of hybrid nanofluids for thermal energy applications. Journal of Molecular Liquids, 2021, 340, 116890.	2.3	38
20	Preparation and Characterization of Magnetically Responsive Bacterial Polyester Based Nanospheres for Cancer Therapy. Journal of Biomedical Nanotechnology, 2012, 8, 800-808.	0.5	37
21	Synthesis of Fe ₃ O ₄ -Al ₂ O ₃ -ZnO/water ternary hybrid nanofluid: Investigating the effects of temperature, volume concentration and mixture ratio on Specific heat capacity, and development of Hybrid machine learning for prediction. Journal of Energy Storage, 2021, 41, 102947.	3.9	33
22	Synthesizing Nano Silica Nanoparticles from Barley Grain Waste: Effect of Temperature on Mechanical Properties. Polish Journal of Environmental Studies, 2019, 28, 2513-2521.	0.6	33
23	Effective and reusable nano-silica synthesized from barley and wheat grass for the removal of nickel from agricultural wastewater. Environmental Science and Pollution Research, 2019, 26, 25802-25813.	2.7	31
24	Novel Magnetic Nano Silica Synthesis Using Barley Husk Waste for Removing Petroleum from Polluted Water for Environmental Sustainability. Sustainability, 2020, 12, 10646.	1.6	31
25	Synthesis, characterization, antimicrobial and antimetastatic activity of silver nanoparticles synthesized from <i>Ficus ingens</i> leaf. Artificial Cells, Nanomedicine and Biotechnology, 2018, 46, S1193-S1203.	1.9	29
26	Comparison of protein- and polysaccharide-based nanoparticles for cancer therapy: synthesis, characterization, drug release, and interaction with a breast cancer cell line. Artificial Cells, Nanomedicine and Biotechnology, 2017, 45, 193-203.	1.9	22
27	Olive leaves extract mediated zero-valent iron nanoparticles: synthesis, characterization, and assessment as adsorbent for nickel (II) ions in aqueous medium. Chemical Engineering Communications, 2018, 205, 1568-1582.	1.5	22
28	Magnetically based nanocarriers in drug delivery. , 2016, , 285-331.		16
29	Biogenic Synthesis and Characterization of Chitosan-CuO Nanocomposite and Evaluation of Antibacterial Activity against Gram-Positive and -Negative Bacteria. Polymers, 2022, 14, 1832.	2.0	15
30	Olive Leaf-Synthesized Nanofluids for Solar Parabolic Trough Collector's Thermal Performance Evaluation. Journal of Thermal Science and Engineering Applications, 2019, 11, .	0.8	12
31	Energy, exergy, economic, environmental (4E) approach to assessing the performance of a photovoltaic-thermal system using a novel ternary nanofluid. Sustainable Energy Technologies and Assessments, 2022, 50, 101804.	1.7	10
32	Corrosion Inhibition Evaluation of Chitosan-CuO Nanocomposite for Carbon Steel in 5% HCl Solution and Effect of KI Addition. Sustainability, 2022, 14, 7981.	1.6	10
33	Unravel the potential of zinc oxide nanoparticle-carbonized sawdust matrix for removal of lead (II) ions from aqueous solution. Chinese Journal of Chemical Engineering, 2021, 29, 92-102.	1.7	8
34	Nano-silica and nano-zeolite synthesized from barley grass straw for effective removal of gasoline from aqueous solution: a comparative study. Chemical Engineering Communications, 2021, 208, 1419-1435.	1.5	8
35	Biosynthesis of Gold Nanoparticles using Scytosiphon lomentaria (Brown algae) and Spyridia filamentosa (Red algae) from Kyrenia Region and Evaluation of their Antimicrobial and Antioxidant Activity. Hacettepe Journal of Biology and Chemistry, 2019, 47, 367-382.	0.3	7
36	Biosynthesized ZnO Nanoparticles Using Albizia lebbeck Extract Induced Biochemical and Morphological Alterations in Wistar Rats. Molecules, 2021, 26, 3864.	1.7	5

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37	Preparation and characterization of magnetically responsive bacterial polyester based nanospheres for cancer therapy. <i>Journal of Biomedical Nanotechnology</i> , 2012, 8, 800-8.	0.5	5
38	Mechanisms of Drug Resistance and Use of Nanoparticle Delivery to Overcome Resistance in Breast Cancers. <i>Advances in Experimental Medicine and Biology</i> , 2021, , 163-181.	0.8	4
39	Development of novel silver-apple pectin nanocomposite beads for antioxidant, antimicrobial and anticancer studies. <i>Biologia (Poland)</i> , 2022, 77, 879-891.	0.8	4
40	Environmental Awareness of University Students on White Cheese Waste Water. <i>Eurasia Journal of Mathematics, Science and Technology Education</i> , 2017, 13, .	0.7	3
41	Characteristics of Zinc Oxide and Carbonized Sawdust Nanocomposite in the Removal of Cadmium(II) Ions from Water. <i>Water, Air, and Soil Pollution</i> , 2021, 232, 1.	1.1	3
42	An evaluative <i>in vitro</i> investigation of the delivery of cytarabine with RGD decorated solid lipid nanoparticles. <i>Journal of Microencapsulation</i> , 2021, 38, 546-558.	1.2	2
43	Synthesis of silica nanoparticles from agricultural waste. , 2022, , 121-138.		2
44	Novel Python-based α all-regressor model application for photovoltaic plant-specific yield estimation and systematic analysis. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 0, , 1-19.	1.2	1
45	Persea americana Metanolik ve Etanolik Bitki EkstraktlarÄ±nÄ±n <i>in vitro</i> Biyolojik Aktivite ve Kimyasal BileÅŸiminin KarÅŸÄ±laÅŸtÄ±rma Amaçlı İncelenmesi. <i>European Journal of Science and Technology</i> , 0, , 261-270.	0.5	1
46	Applications of Hydrogels in 3D Functional Tissue Models. , 2016, , 87-110.		0
47	Cancer in North Cyprus: 2. Biomedical Research Activities. <i>Cyprus Journal of Medical Sciences</i> , 2017, 2, 13-18.	0.0	0