

MubarakAli Davoodbasha

List of Publications by Year in descending order

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Version: 2024-02-01

72
papers

4,908
citations

147801
31
h-index

91884
69
g-index

72
all docs

72
docs citations

72
times ranked

6146
citing authors

#	ARTICLE	IF	CITATIONS
1	Plant extract mediated synthesis of silver and gold nanoparticles and its antibacterial activity against clinically isolated pathogens. <i>Colloids and Surfaces B: Biointerfaces</i> , 2011, 85, 360-365.	5.0	712
2	Biosynthesis of silver nanoparticles from <i>Tribulus terrestris</i> and its antimicrobial activity: A novel biological approach. <i>Colloids and Surfaces B: Biointerfaces</i> , 2012, 96, 69-74.	5.0	419
3	Biogenic silver nanoparticles for cancer treatment: An experimental report. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 106, 86-92.	5.0	352
4	Synthesis of silver nanoparticles from <i>Bacillus brevis</i> (NCIM 2533) and their antibacterial activity against pathogenic bacteria. <i>Microbial Pathogenesis</i> , 2018, 116, 221-226.	2.9	301
5	Synthesis of anisotropic silver nanoparticles using novel strain, <i>Bacillus flexus</i> and its biomedical application. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 102, 232-237.	5.0	268
6	An investigation on the cytotoxicity and caspase-mediated apoptotic effect of biologically synthesized silver nanoparticles using <i>Podophyllum hexandrum</i> on human cervical carcinoma cells. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 102, 708-717.	5.0	245
7	An enhancement of antimicrobial efficacy of biogenic and ceftriaxone-conjugated silver nanoparticles: green approach. <i>Environmental Science and Pollution Research</i> , 2018, 25, 10362-10370.	5.3	170
8	Synthesis and characterization of CdS nanoparticles using C-phycoerythrin from the marine cyanobacteria. <i>Materials Letters</i> , 2012, 74, 8-11.	2.6	152
9	Biogenic synthesis, characterization of antibacterial silver nanoparticles and its cell cytotoxicity. <i>Arabian Journal of Chemistry</i> , 2017, 10, 1107-1117.	4.9	148
10	One pot synthesis and anti-biofilm potential of copper nanoparticles (CuNPs) against clinical strains of <i>Pseudomonas aeruginosa</i> . <i>Biofouling</i> , 2015, 31, 379-391.	2.2	139
11	Biosynthesis and characterization of copper oxide nanoparticles from indigenous fungi and its effect of photothermolysis on human lung carcinoma. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2019, 190, 103-109.	3.8	137
12	Degradation of synthetic dye, Rhodamine B to environmentally non-toxic products using microalgae. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 105, 207-214.	5.0	135
13	Gold nanoparticles from Pro and eukaryotic photosynthetic microorganisms—Comparative studies on synthesis and its application on biolabelling. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 103, 166-173.	5.0	92
14	Fabrication of corrosion resistant, bioactive and antibacterial silver substituted hydroxyapatite/titania composite coating on Cp Ti. <i>Ceramics International</i> , 2012, 38, 731-740.	4.8	91
15	Fungal-mediated synthesis of pharmaceutically active silver nanoparticles and anticancer property against A549 cells through apoptosis. <i>Environmental Science and Pollution Research</i> , 2019, 26, 13649-13657.	5.3	90
16	Anti- <i>Helicobacter pylori</i> , cytotoxicity and catalytic activity of biosynthesized gold nanoparticles: Multifaceted application. <i>Arabian Journal of Chemistry</i> , 2019, 12, 33-40.	4.9	72
17	Unveiling the potentials of biocompatible silver nanoparticles on human lung carcinoma A549 cells and <i>Helicobacter pylori</i> . <i>Scientific Reports</i> , 2019, 9, 5787.	3.3	70
18	The facile synthesis of chitosan-based silver nano-biocomposites via a solution plasma process and their potential antimicrobial efficacy. <i>Archives of Biochemistry and Biophysics</i> , 2016, 605, 49-58.	3.0	66

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19	In vitro and in vivo antibiofilm effect of copper nanoparticles against aquaculture pathogens. <i>Biocatalysis and Agricultural Biotechnology</i> , 2017, 10, 336-341.	3.1	65
20	An evidence on G2/M arrest, DNA damage and caspase mediated apoptotic effect of biosynthesized gold nanoparticles on human cervical carcinoma cells (HeLa). <i>Materials Research Bulletin</i> , 2014, 52, 15-24.	5.2	63
21	Synthesis and characterization of BiVO ₄ nanoparticles for environmental applications. <i>RSC Advances</i> , 2020, 10, 18315-18322.	3.6	58
22	An evidence of C16 fatty acid methyl esters extracted from microalga for effective antimicrobial and antioxidant property. <i>Microbial Pathogenesis</i> , 2018, 115, 233-238.	2.9	57
23	An inhibitory action of chitosan nanoparticles against pathogenic bacteria and fungi and their potential applications as biocompatible antioxidants. <i>Microbial Pathogenesis</i> , 2018, 114, 323-327.	2.9	56
24	Biodiesel production through transesterification of <i>Chlorella vulgaris</i> : Synthesis and characterization of CaO nanocatalyst. <i>Fuel</i> , 2021, 300, 121018.	6.4	56
25	Unveiling algal cultivation using raceway ponds for biodiesel production and its quality assessment. <i>Renewable Energy</i> , 2018, 123, 486-498.	8.9	48
26	Fungal enzyme-mediated synthesis of chitosan nanoparticles and its biocompatibility, antioxidant and bactericidal properties. <i>International Journal of Biological Macromolecules</i> , 2018, 118, 1542-1549.	7.5	47
27	Naked eye sensing of toxic metal ions in aqueous medium using thiophene-based ligands and its application in living cells. <i>Journal of Molecular Recognition</i> , 2014, 27, 151-159.	2.1	43
28	Synthesis, characterization, and cytotoxicity of starch-encapsulated biogenic silver nanoparticle and its improved anti-bacterial activity. <i>International Journal of Biological Macromolecules</i> , 2021, 182, 1409-1418.	7.5	43
29	Highly selective chemosensor for nano molar detection of Cu ²⁺ ion by fluorescent turn-on response and its application in living cells. <i>Dyes and Pigments</i> , 2014, 104, 116-122.	3.7	39
30	One-step synthesis of cellulose/silver nanobiocomposites using a solution plasma process and characterization of their broad spectrum antimicrobial efficacy. <i>RSC Advances</i> , 2015, 5, 35052-35060.	3.6	38
31	Synthesis of nano-cuboidal gold particles for effective antimicrobial property against clinical human pathogens. <i>Microbial Pathogenesis</i> , 2017, 113, 68-73.	2.9	37
32	A state-of-the-art review on fucoidan as an antiviral agent to combat viral infections. <i>Carbohydrate Polymers</i> , 2022, 291, 119551.	10.2	33
33	Production and assessment of microalgal liquid fertilizer for the enhanced growth of four crop plants. <i>Biocatalysis and Agricultural Biotechnology</i> , 2020, 28, 101701.	3.1	31
34	Biogenic metallic nanoparticles as catalyst for bioelectricity production: A novel approach in microbial fuel cells. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2016, 203, 27-34.	3.5	30
35	Synthesis and characterization of biocompatibility of tenorite nanoparticles and potential property against biofilm formation. <i>Saudi Pharmaceutical Journal</i> , 2015, 23, 421-428.	2.7	27
36	Solution plasma mediated formation of low molecular weight chitosan and its application as a biomaterial. <i>International Journal of Biological Macromolecules</i> , 2018, 118, 1511-1517.	7.5	26

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37	Utilization of plant-derived Myricetin molecule coupled with ultrasound for the synthesis of gold nanoparticles against breast cancer. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2020, 393, 1963-1976.	3.0	25
38	Current strategies on algae-based biopolymer production and scale-up. <i>Chemosphere</i> , 2022, 289, 133178.	8.2	24
39	Insect gut as a bioresource for potential enzymes - an unexploited area for industrial biotechnology. <i>Biocatalysis and Agricultural Biotechnology</i> , 2019, 18, 101010.	3.1	22
40	Delineation of gamma irradiation (60Co) induced oxidative stress by decrypting antioxidants and biochemical responses of microalga, <i>Chlorella</i> sp.. <i>Biocatalysis and Agricultural Biotechnology</i> , 2020, 25, 101595.	3.1	21
41	An evidence of microalgal peptides to target spike protein of COVID-19: In silico approach. <i>Microbial Pathogenesis</i> , 2021, 160, 105189.	2.9	21
42	A Systemic Review on Microalgal Peptides: Bioprocess and Sustainable Applications. <i>Sustainability</i> , 2021, 13, 3262.	3.2	19
43	Impact of benzo[a]pyrene with other pollutants induce the molecular alternation in the biological system: Existence, detection, and remediation methods. <i>Environmental Pollution</i> , 2022, 304, 119207.	7.5	19
44	New reports on anti-bacterial and anti-candidal activities of fatty acid methyl esters (FAME) obtained from <i>Scenedesmus bijugatus</i> var. <i>bicellularis</i> biomass. <i>RSC Advances</i> , 2012, 2, 11552.	3.6	18
45	Antioxidant potentials of nanoceria synthesized by solution plasma process and its biocompatibility study. <i>Archives of Biochemistry and Biophysics</i> , 2018, 645, 42-49.	3.0	18
46	An investigation on the sterilization of berry fruit using ozone: An option to preservation and long-term storage. <i>Biocatalysis and Agricultural Biotechnology</i> , 2019, 20, 101212.	3.1	18
47	An investigation of antibiofilm and cytotoxic property of MgO nanoparticles. <i>Biocatalysis and Agricultural Biotechnology</i> , 2019, 18, 101069.	3.1	18
48	A Novel Rhizospheric Bacterium: <i>Bacillus velezensis</i> NKMV-3 as a Biocontrol Agent Against Alternaria Leaf Blight in Tomato. <i>Applied Biochemistry and Biotechnology</i> , 2022, 194, 1-17.	2.9	17
49	Using different cultivation strategies and methods for the production of microalgal biomass as a raw material for the generation of bioproducts. <i>Chemosphere</i> , 2021, 285, 131436.	8.2	17
50	Microwave irradiation mediated synthesis of needle-shaped hydroxyapatite nanoparticles as a flocculant for <i>Chlorella vulgaris</i> . <i>Biocatalysis and Agricultural Biotechnology</i> , 2019, 17, 203-206.	3.1	16
51	Molecular identification, volatile metabolites profiling, and bioactivities of an indigenous endophytic fungus (<i>Diaporthe</i> sp.). <i>Process Biochemistry</i> , 2021, 102, 72-81.	3.7	16
52	Solution plasma process: An option to degrade bisphenol A in liquid-phase to non-toxic products. <i>Journal of Molecular Liquids</i> , 2019, 276, 605-610.	4.9	15
53	Synthesis of Biocompatible Cellulose-Coated Nanoceria with pH-Dependent Antioxidant Property. <i>ACS Applied Bio Materials</i> , 2019, 2, 1792-1801.	4.6	14
54	Unveiling the induced lipid production in <i>Chlorella vulgaris</i> under pulsed magnetic field treatment. <i>Chemosphere</i> , 2021, 279, 130673.	8.2	14

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55	A Systemic Review on the Synthesis, Characterization, and Applications of Palladium Nanoparticles in Biomedicine. <i>Applied Biochemistry and Biotechnology</i> , 2023, 195, 3699-3718.	2.9	13
56	Unraveling the hazardous impact of diverse contaminants in the marine environment: Detection and remedial approach through nanomaterials and nano-biosensors. <i>Journal of Hazardous Materials</i> , 2022, 433, 128720.	12.4	13
57	Human Fungal Infection, Immune Response, and Clinical Challengeâ€™a Perspective During COVID-19 Pandemic. <i>Applied Biochemistry and Biotechnology</i> , 2022, 194, 4244-4257.	2.9	12
58	An evidence of fungal derived 1-aminocyclopropane-1-carboxylate deaminase promoting the growth of mangroves. <i>Beni-Suef University Journal of Basic and Applied Sciences</i> , 2018, 7, 446-451.	2.0	11
59	Facile and Novel Strategy for Methods of Extraction of Biofuel Grade Lipids from Microalgae- an Experimental Report. <i>International Journal of Biotechnology for Wellness Industries</i> , 2014, 3, 121-127.	0.3	11
60	Soil-microbial communities indexing from mangroves rhizosphere and barren sandy habitats. <i>Physiological and Molecular Plant Pathology</i> , 2018, 104, 58-68.	2.5	9
61	An investigation of chemical composition and antimicrobial activity of essential oils extracted from <i>Aeollanthus</i> and <i>Plectranthus</i> species. <i>Biocatalysis and Agricultural Biotechnology</i> , 2019, 22, 101412.	3.1	9
62	Stress Induced Lipids Accumulation in Naviculoid Marine Diatoms for Bioenergy Application. <i>International Journal of Biotechnology for Wellness Industries</i> , 2015, 4, 18-24.	0.3	9
63	Apoptotic-inducing factor 1 (AIF1) plays a critical role in cembranoid mediated apoptosis to control cancer: Molecular docking and dynamics study. <i>Biocatalysis and Agricultural Biotechnology</i> , 2019, 22, 101343.	3.1	7
64	Anti-candidal biofilm potential of solvent extracts of <i>Aeollanthus cucullathus</i> (Ryding) and its chemical analysis. <i>Biocatalysis and Agricultural Biotechnology</i> , 2019, 17, 595-604.	3.1	7
65	Study on the Interaction of Algal Peptides on Virulence Factors of <i>Helicobacter pylori</i> : In Silico Approach. <i>Applied Biochemistry and Biotechnology</i> , 2022, 194, 37-53.	2.9	7
66	Production of Oligoalginate via Solution Plasma Process and Its Capability of Biological Growth Enhancement. <i>Applied Biochemistry and Biotechnology</i> , 2021, 193, 4097-4112.	2.9	4
67	Comprehensive Review on Rapid Diagnosis of New Infection COVID-19. <i>Applied Biochemistry and Biotechnology</i> , 2022, 194, 1390-1400.	2.9	4
68	Synthesis and Characterization of Tween-20 Capped Biosynthesized Silver Nanoparticles for Anticancer and Antimicrobial Property. <i>Applied Biochemistry and Biotechnology</i> , 2023, 195, 2282-2293.	2.9	3
69	An Investigation of Molecular Targeting of MMP-9 for Endometriosis Using Algal Bioactive Molecules. <i>Phyton</i> , 2022, 91, 569-582.	0.7	1
70	Editorial: Special issue on â€œemerging biotechnologyâ€•. <i>Biocatalysis and Agricultural Biotechnology</i> , 2019, 22, 101348.	3.1	0
71	Factors Inhibiting the Education Specialists/Agents in Transferring Technology from Lab to Land in India. <i>Asian Journal of Scientific Research</i> , 2015, 8, 134-141.	0.1	0
72	Molecular Phylogeny of Morphologically Diverse Cyanobacteria Based on Ribosomal Conserved Sequence. <i>Journal of Environmental Science and Technology</i> , 2015, 8, 188-197.	0.3	0