

Agbaje Lateef

List of Publications by Year in descending order

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101
papers

4,089
citations

81900

39
h-index

133252

59
g-index

104
all docs

104
docs citations

104
times ranked

2675
citing authors

#	ARTICLE	IF	CITATIONS
1	Improving the Yield of Citric Acid Through Valorization of Cashew Apple Juice by <i>Aspergillus niger</i> : Mutation, Nanoparticles Supplementation and Taguchi Technique. <i>Waste and Biomass Valorization</i> , 2022, 13, 2195-2206.	3.4	7
2	Rusty gold in Nigeria: Untapped advances in nanotechnology. <i>South African Journal of Science</i> , 2022, 118, .	0.7	1
3	Phytofabrication of titanium-silver alloy nanoparticles (Ti-AgNPs) by <i>Cola nitida</i> for biomedical and catalytic applications. <i>Inorganic Chemistry Communication</i> , 2022, 139, 109357.	3.9	10
4	Valorization of <i>Parkia biglobosa</i> wastewater for novel biofabrication of Ag/TiO ₂ nanoparticles with potent action against MDR strains and nanotextile application. <i>Inorganic Chemistry Communication</i> , 2022, 140, 109427.	3.9	5
5	Nanotoxicological investigations of cocoa pod husk extract-mediated silver nanoparticles in selected tissues of albino rats. <i>Toxicology and Environmental Health Sciences</i> , 2022, 14, 193-202.	2.1	2
6	Recent advances in functionalization of nanotextiles: A strategy to combat harmful microorganisms and emerging pathogens in the 21st century. <i>Heliyon</i> , 2022, 8, e09761.	3.2	8
7	Anti-haemolytic and cytogenotoxic potential of aqueous leaf extract of <i>Annona muricata</i> (L.) and its bio-fabricated silver nanoparticles. <i>Caryologia</i> , 2022, 75, 3-13.	0.3	3
8	Microbial Enzymes in Nanotechnology and Fabrication of Nanozymes: A Perspective. <i>Materials Horizons</i> , 2021, , 185-232.	0.6	11
9	Beneficial Microbes as Novel Microbial Cell Factories in Nanobiotechnology: Potentials in Nanomedicine. <i>Materials Horizons</i> , 2021, , 315-342.	0.6	3
10	Microalgal Nanobiotechnology and Its Applications—A Brief Overview. <i>Materials Horizons</i> , 2021, , 233-255.	0.6	14
11	Physico-mechanical properties of emulsion paint embedded with silver nanoparticles. <i>Bulletin of Materials Science</i> , 2021, 44, 1.	1.7	11
12	Responses of <i>Moringa oleifera</i> to alteration in soil properties induced by calcium nanoparticles (CaNPs) on mineral absorption, physiological indices and photosynthetic indicators. <i>Beni-Suef University Journal of Basic and Applied Sciences</i> , 2021, 10, .	2.0	13
13	A decade of nanotechnology research in Nigeria (2010–2020): a scientometric analysis. <i>Journal of Nanoparticle Research</i> , 2021, 23, 1.	1.9	6
14	Biotechnological valorization of cashew apple juice for the production of citric acid by a local strain of <i>Aspergillus niger</i> LCFS 5. <i>Journal of Genetic Engineering and Biotechnology</i> , 2021, 19, 137.	3.3	13
15	Microbial Nanobiotechnology: The Melting Pot of Microbiology, Microbial Technology and Nanotechnology. <i>Materials Horizons</i> , 2021, , 1-19.	0.6	4
16	Microbial valorization of corncob: Novel route for biotechnological products for sustainable bioeconomy. <i>Environmental Technology and Innovation</i> , 2021, 24, 102073.	6.1	24
17	Novel biosynthesis of silver nanoparticles through valorization of <i>Parkia biglobosa</i> fermented-seed wastewater: Antimicrobial properties and nanotextile application. <i>Environmental Technology and Innovation</i> , 2021, 24, 102077.	6.1	17
18	Biofabrication of Gold Nanoparticles Using Xylanases Through Valorization of Corncob by <i>Aspergillus niger</i> and <i>Trichoderma longibrachiatum</i> : Antimicrobial, Antioxidant, Anticoagulant and Thrombolytic Activities. <i>Waste and Biomass Valorization</i> , 2020, 11, 781-791.	3.4	86

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19	Adsorption Behaviour of Rhodamine B on Hen Feather and Corn Starch Functionalized with Green Synthesized Silver Nanoparticles (AgNPs) Mediated with Cocoa Pods Extracts. <i>Chemistry Africa</i> , 2020, 3, 237-250.	2.4	38
20	Inhibition efficiency of silver nanoparticles solution on corrosion of mild steel, stainless steel and aluminum in 1.0 M HCl medium. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020, 805, 012018.	0.6	5
21	Ecofriendly production of silver nanoparticles from the seeds of <i>Carica papaya</i> and its larvicidal and antibacterial efficacy against some selected bacterial pathogens. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020, 805, 012038.	0.6	6
22	Green synthesized novel silver nanoparticles and their application as anticoagulant and thrombolytic agents: A perspective. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020, 805, 012043.	0.6	14
23	Nanotechnology in the built environment for sustainable development. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020, 805, 012044.	0.6	5
24	Multifunctional titanium dioxide nanoparticles biofabricated via phytosynthetic route using extracts of <i>Cola nitida</i> : antimicrobial, dye degradation, antioxidant and anticoagulant activities. <i>Heliyon</i> , 2020, 6, e04610.	3.2	67
25	Facile synthesis of silver nanoparticles using leaf extract of <i>Hyptis suaveolens</i> (L.) Poit for environmental and biomedical applications. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020, 805, 012042.	0.6	20
26	Synthesis, bioactivities and cytogenotoxicity of animal fur-mediated silver nanoparticles. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020, 805, 012041.	0.6	47
27	Photo-assisted bio-fabrication of silver nanoparticles using <i>Annona muricata</i> leaf extract: exploring the antioxidant, anti-diabetic, antimicrobial, and cytotoxic activities. <i>Heliyon</i> , 2020, 6, e05413.	3.2	57
28	The effects on oxidative aging, physical and flow properties of Agbabu natural bitumen modified with silver nanoparticles. <i>Heliyon</i> , 2020, 6, e04164.	3.2	11
29	Green synthesized silver nanoparticles for cream formulation: its anti-inflammatory and healing activities. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020, 805, 012016.	0.6	4
30	Nanobiosensors: applications in biomedical technology. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020, 805, 012028.	0.6	13
31	Effect of nickel oxide nanoparticles on bioethanol production: Process optimization, kinetic and metabolic studies. <i>Process Biochemistry</i> , 2020, 92, 386-400.	3.7	39
32	Influence of calcium nanoparticles (CaNPs) on nutritional qualities, radical scavenging attributes of <i>Moringa oleifera</i> and risk assessments on human health. <i>Journal of Food Measurement and Characterization</i> , 2020, 14, 2185-2195.	3.2	28
33	Biosynthesis of silver, gold and silver-gold alloy nanoparticles using <i>Persea americana</i> fruit peel aqueous extract for their biomedical properties. <i>Nanotechnology for Environmental Engineering</i> , 2019, 4, 1.	3.3	62
34	Silver-gold alloy nanoparticles biofabricated by fungal xylanases exhibited potent biomedical and catalytic activities. <i>Biotechnology Progress</i> , 2019, 35, e2829.	2.6	74
35	Zero-valent silver nanoparticles attenuate Cd and Pb toxicities on <i>Moringa oleifera</i> via immobilization and induction of phytochemicals. <i>Plant Physiology and Biochemistry</i> , 2019, 139, 283-292.	5.8	58
36	Phytomodulatory effects of silver nanoparticles on <i>Corchorus olitorius</i> : Its antiphytopathogenic and hepatoprotective potentials. <i>Plant Physiology and Biochemistry</i> , 2019, 136, 109-117.	5.8	34

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37	Degradation of Keratin Biomass by Different Microorganisms. Springer Series on Polymer and Composite Materials, 2019, , 123-162.	0.7	16
38	Green Synthesis of Silver (Ag), Gold (Au), and Silver-Gold (Ag-Au) Alloy Nanoparticles: A Review on Recent Advances, Trends, and Biomedical Applications. , 2019, , 3-89.		41
39	Optimization of the production of xylanases in corn-cob-based media by <i>Aspergillus niger</i> and <i>Trichoderma longibrachiatum</i> using Taguchi approach. Acta Biologica Szegediensis, 2019, 63, 51-58.	0.3	9
40	Antimicrobial and antioxidant activity of Silver, Gold and Silver-Gold Alloy Nanoparticles phytosynthesized using extract of <i>Opuntia ficus-indica</i> . Reviews on Advanced Materials Science, 2019, 58, 313-326.	3.3	50
41	Optimization of the Process for Producing Biomass and Exopolysaccharide from the King Tuber Oyster Mushroom, <i>Pleurotus tuber-regium</i> (Agaricomycetes), for Biotechnological Applications. International Journal of Medicinal Mushrooms, 2019, 21, 311-322.	1.5	10
42	Comparative effects of silver nanoparticles, sucrose and sodium chloride as osmotic solutions for tomato slices: antioxidant activity, microbial quality and modelling with polynomial regression model. South African Journal of Chemistry, 2019, 72, 21-31.	0.6	11
43	Green Nanotechnology in Nigeria: The Research Landscape, Challenges and Prospects. Annals of Science and Technology, 2019, 4, 6-38.	0.2	17
44	Biomedical Applications of <i>Chasmanthera dependens</i> stem extract mediated silver nanoparticles as Antimicrobial, Antioxidant, Anticoagulant, thrombolytic, and Larvicidal agents. Karbala International Journal of Modern Science, 2019, 5, .	1.0	36
45	Influence of Nanosilica on Workability and Compressive Strength of Wood Ash Cement Concrete. Lautech Journal of Civil and Environmental Studies, 2019, 2, .	0.1	0
46	Novel biosynthesized silver nanoparticles from cobweb as adsorbent for Rhodamine B: equilibrium isotherm, kinetic and thermodynamic studies. Applied Water Science, 2018, 8, 1.	5.6	43
47	Valorization of Corn-Cob by Fungal Isolates for Production of Xylanase in Submerged and Solid State Fermentation Media and Potential Biotechnological Applications. Waste and Biomass Valorization, 2018, 9, 1273-1287.	3.4	40
48	Fungal xylanases-mediated synthesis of silver nanoparticles for catalytic and biomedical applications. IET Nanobiotechnology, 2018, 12, 857-863.	3.8	82
49	Nanomaterial Applications of Nanoparticles for Blood Coagulation Disorders. Environmental Chemistry for A Sustainable World, 2018, , 243-277.	0.5	47
50	Characterization, antimicrobial, antioxidant, and anticoagulant activities of silver nanoparticles synthesized from <i>Petiveria alliacea</i> L. leaf extract. Preparative Biochemistry and Biotechnology, 2018, 48, 646-652.	1.9	90
51	Silver nanoparticles (AgNPs) biosynthesized using pod extract of <i>Cola nitida</i> enhances antioxidant activity and phytochemical composition of <i>Amaranthus caudatus</i> Linn. Applied Nanoscience (Switzerland), 2017, 7, 59-66.	3.1	81
52	Enterococcus species for the one-pot biofabrication of gold nanoparticles: Characterization and nanobiotechnological applications. Journal of Photochemistry and Photobiology B: Biology, 2017, 173, 250-257.	3.8	60
53	Evaluation of Some Biosynthesized Silver Nanoparticles for Biomedical Applications: Hydrogen Peroxide Scavenging, Anticoagulant and Thrombolytic Activities. Journal of Cluster Science, 2017, 28, 1379-1392.	3.3	70
54	Cytogenotoxicity potentials of cocoa pod and bean-mediated green synthesized silver nanoparticles on <i>Allium cepa</i> cells. Caryologia, 2017, 70, 366-377.	0.3	19

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55	Safety evaluation of green synthesized <i>Cola nitida</i> pod, seed and seed shell extract-mediated silver nanoparticles (AgNPs) using an <i>Allium cepa</i> assay. Journal of Taibah University for Science, 2017, 11, 895-909.	2.5	21
56	Biomedical Applications of Cocoa Bean Extract-Mediated Silver Nanoparticles as Antimicrobial, Larvicidal and Anticoagulant Agents. Journal of Cluster Science, 2017, 28, 149-164.	3.3	71
57	Adsorptive desulphurization of model oil by Ag nanoparticles-modified activated carbon prepared from brewer's spent grains. Journal of Environmental Chemical Engineering, 2017, 5, 147-159.	6.7	66
58	Green Synthesis and Antimicrobial Activities of Silver Nanoparticles using Cell Free-Extracts of Enterococcus species. Notulae Scientia Biologicae, 2017, 9, 196-203.	0.4	30
59	Anti-candida, anti-coagulant and thrombolytic activities of biosynthesized silver nanoparticles using cell-free extract of <i>Bacillus safensis</i> LAU 13. Process Biochemistry, 2016, 51, 1406-1412.	3.7	72
60	Google scholar citation in retrospect: Visibility and contributions of African scholars. Collnet Journal of Scientometrics and Information Management, 2016, 10, 219-236.	0.8	6
61	Cocoa pod husk extract-mediated biosynthesis of silver nanoparticles: its antimicrobial, antioxidant and larvicidal activities. Journal of Nanostructure in Chemistry, 2016, 6, 159-169.	9.1	121
62	Biomedical and Catalytic Applications of Gold and Silver-Gold Alloy Nanoparticles Biosynthesized Using Cell-Free Extract of <i>Bacillus Safensis</i> LAU 13: Antifungal, Dye Degradation, Anti-Coagulant and Thrombolytic Activities. IEEE Transactions on Nanobioscience, 2016, 15, 433-442.	3.3	101
63	Kolanut (<i>Cola nitida</i>) Mediated Synthesis of Silver-Gold Alloy Nanoparticles: Antifungal, Catalytic, Larvicidal and Thrombolytic Applications. Journal of Cluster Science, 2016, 27, 1561-1577.	3.3	71
64	Phytosynthesis of silver nanoparticles (AgNPs) using miracle fruit plant (<i>Synsepalum dulcificum</i>) for antimicrobial, catalytic, anticoagulant, and thrombolytic applications. Nanotechnology Reviews, 2016, 5, .	5.8	55
65	Paper wasp nest-mediated biosynthesis of silver nanoparticles for antimicrobial, catalytic, anticoagulant, and thrombolytic applications. 3 Biotech, 2016, 6, 140.	2.2	68
66	The emerging roles of arthropods and their metabolites in the green synthesis of metallic nanoparticles. Nanotechnology Reviews, 2016, 5, .	5.8	90
67	A novel approach to the green synthesis of metallic nanoparticles: the use of agro-wastes, enzymes, and pigments. Nanotechnology Reviews, 2016, 5, .	5.8	211
68	Biogenic synthesis of silver nanoparticles using a pod extract of <i>Cola nitida</i> : Antibacterial and antioxidant activities and application as a paint additive. Journal of Taibah University for Science, 2016, 10, 551-562.	2.5	134
69	Cobweb as novel biomaterial for the green and eco-friendly synthesis of silver nanoparticles. Applied Nanoscience (Switzerland), 2016, 6, 863-874.	3.1	88
70	Optimization of the Production of Extracellular Polysaccharide from the Shiitake Medicinal Mushroom <i>Lentinus edodes</i> (Agaricomycetes) Using Mutation and a Genetic Algorithm-Coupled Artificial Neural Network (GA-ANN). International Journal of Medicinal Mushrooms, 2016, 18, 571-581.	1.5	11
71	Public health issues in the processing of cassava (<i>Manihot esculenta</i>) for the production of <i>lafun</i> and the application of hazard analysis control measures. Quality Assurance and Safety of Crops and Foods, 2016, 8, 165-177.	3.4	22
72	Green Synthesis and Antibacterial Activities of Silver Nanoparticles Using Extracellular Laccase of <i>Lentinus edodes</i> . Notulae Scientia Biologicae, 2015, 7, 405-411.	0.4	36

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73	Modelling of biohydrogen generation in microbial electrolysis cells (MECs) using a committee of artificial neural networks (ANNs). <i>Biotechnology and Biotechnological Equipment</i> , 2015, 29, 1208-1215.	1.3	42
74	<i>Bacillus safensis</i> LAU 13: a new source of keratinase and its multi-functional biocatalytic applications. <i>Biotechnology and Biotechnological Equipment</i> , 2015, 29, 54-63.	1.3	74
75	Cola nitida-Mediated Biogenic Synthesis of Silver Nanoparticles Using Seed and Seed Shell Extracts and Evaluation of Antibacterial Activities. <i>BioNanoScience</i> , 2015, 5, 196-205.	3.5	65
76	Optimization of citric acid production using a mutant strain of <i>Aspergillus niger</i> on cassava peel substrate. <i>Biocatalysis and Agricultural Biotechnology</i> , 2015, 4, 568-574.	3.1	65
77	The biology and potential biotechnological applications of <i>Bacillus safensis</i> . <i>Biologia (Poland)</i> , 2015, 70, 411-419.	1.5	61
78	Biogenic synthesis of silver nanoparticles using cell-free extract of <i>Bacillus safensis</i> LAU 13: antimicrobial, free radical scavenging and larvicidal activities. <i>Biologia (Poland)</i> , 2015, 70, 1295-1306.	1.5	65
79	Green synthesis of silver nanoparticles using keratinase obtained from a strain of <i>Bacillus safensis</i> LAU 13. <i>International Nano Letters</i> , 2015, 5, 29-35.	5.0	146
80	Green Synthesis and Antibacterial Activities of Silver Nanoparticles Using Extracellular Laccase of <i>Lentinus edodes</i> . <i>Notulae Scientia Biologicae</i> , 2015, 7, .	0.4	24
81	Enzymatic Trends of Fructooligosaccharides Production by Microorganisms. <i>Applied Biochemistry and Biotechnology</i> , 2014, 172, 2143-2159.	2.9	78
82	Quality assessment and hazard analysis in the small-scale production of poultry feeds in Ogbomoso, Southwest Nigeria. <i>Quality Assurance and Safety of Crops and Foods</i> , 2014, 6, 105-113.	3.4	7
83	Production of fructosyltransferase by a local isolate of <i>Aspergillus niger</i> in both submerged and solid substrate media. <i>Acta Alimentaria</i> , 2012, 41, 100-117.	0.7	43
84	Modeling and optimization of biogas production on saw dust and other co-substrates using Artificial Neural network and Genetic Algorithm. <i>Renewable Energy</i> , 2012, 46, 276-281.	8.9	160
85	Keratinolytic activities of a new feather-degrading isolate of <i>Bacillus cereus</i> LAU 08 isolated from Nigerian soil. <i>International Biodeterioration and Biodegradation</i> , 2010, 64, 162-165.	3.9	50
86	Akara Ogbomoso: Microbiological Examination and Identification of Hazards and Critical Control Points. <i>Food Science and Technology International</i> , 2010, 16, 389-400.	2.2	17
87	Implementation Details of Computerized Temporary Immersion Bioreactor (TIB): A Fermentation Case of <i>Pleurotos Pulmonarius</i> . <i>Biotechnology and Biotechnological Equipment</i> , 2010, 24, 2149-2153.	1.3	9
88	Pro-Optimizer: A Novel Web-Enabled Optimization Engine for Microbial Fermentations. <i>Biotechnology and Biotechnological Equipment</i> , 2010, 24, 2137-2141.	1.3	4
89	Improving the quality of agro-wastes by solid-state fermentation: enhanced antioxidant activities and nutritional qualities. <i>World Journal of Microbiology and Biotechnology</i> , 2008, 24, 2369-2374.	3.6	98
90	<i>Rhizopus stolonifer</i> LAU 07: a novel source of fructosyltransferase. <i>Chemical Papers</i> , 2008, 62, .	2.2	20

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91	Bacteriology and genotoxicity of some pharmaceutical wastewaters in Nigeria. International Journal of Environment and Health, 2007, 1, 551.	0.3	24
92	The effect of ultrasonication on the release of fructosyltransferase from <i>Aureobasidium pullulans</i> CFR 77. Enzyme and Microbial Technology, 2007, 40, 1067-1070.	3.2	45
93	Novel optimal temperature profile for acidification process of <i>Lactobacillus bulgaricus</i> and <i>Streptococcus thermophilus</i> in yoghurt fermentation using artificial neural network and genetic algorithm. Journal of Industrial Microbiology and Biotechnology, 2007, 34, 491-496.	3.0	14
94	The prevalence of bacterial resistance in clinical, food, water and some environmental samples in Southwest Nigeria. Environmental Monitoring and Assessment, 2005, 100, 59-69.	2.7	32
95	Inhibitory effects of selected disinfectants and antiseptics on some resistant strains of <i>Pseudomonas Aeruginosa</i> . Global Journal of Pure and Applied Sciences, 2005, 11, 367.	0.2	0
96	Antimicrobial resistance of bacterial strains isolated from orange juice products. African Journal of Biotechnology, 2004, 3, 334-338.	0.6	25
97	ASPECTS OF THE ISOLATION AND CHARACTERIZATION OF THERMOSTABLE α -AMYLASE FROM <i>Alternaria alternata</i> . Global Journal of Pure and Applied Sciences, 2004, 10, 75.	0.2	1
98	The microbiology of a pharmaceutical effluent and its public health implications. World Journal of Microbiology and Biotechnology, 2004, 20, 167-171.	3.6	62
99	Assessment of the Microbiological Quality of <i>Clarias gariepinus</i> Exposed to an Industrial Effluent in Nigeria. The Environmentalist, 2004, 24, 249-254.	0.7	21
100	Characterization and biomedical application of phytosynthesized gold nanoparticles from <i>Datura stramonium</i> seed extract. IOP Conference Series: Materials Science and Engineering, 0, 805, 012021.	0.6	8
101	Antidiabetic properties of phytosynthesized gold nanoparticles (AuNPs) from <i>Datura stramonium</i> seed. IOP Conference Series: Materials Science and Engineering, 0, 805, 012035.	0.6	13