

# 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	A novel approach to the green synthesis of metallic nanoparticles: the use of agro-wastes, enzymes, and pigments. <i>Nanotechnology Reviews</i> , 2016, 5, .	5.8	211
2	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
3	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
4	Biogenic synthesis of silver nanoparticles using a pod extract of <i>Cola nitida</i> : Antibacterial and antioxidant activities and application as a paint additive. <i>Journal of Taibah University for Science</i> , 2016, 10, 551-562.	2.5	134
5	Cocoa pod husk extract-mediated biosynthesis of silver nanoparticles: its antimicrobial, antioxidant and larvicidal activities. <i>Journal of Nanostructure in Chemistry</i> , 2016, 6, 159-169.	9.1	121
6	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. <i>IEEE Transactions on Nanobioscience</i> , 2016, 15, 433-442.	3.3	101
7	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
8	The emerging roles of arthropods and their metabolites in the green synthesis of metallic nanoparticles. <i>Nanotechnology Reviews</i> , 2016, 5, .	5.8	90
9	Characterization, antimicrobial, antioxidant, and anticoagulant activities of silver nanoparticles synthesized from <i>Petiveria alliacea</i> L. leaf extract. <i>Preparative Biochemistry and Biotechnology</i> , 2018, 48, 646-652.	1.9	90
10	Cobweb as novel biomaterial for the green and eco-friendly synthesis of silver nanoparticles. <i>Applied Nanoscience (Switzerland)</i> , 2016, 6, 863-874.	3.1	88
11	Biofabrication of Gold Nanoparticles Using Xylanases Through Valorization of Corn cob 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
12	Fungal xylanases-mediated synthesis of silver nanoparticles for catalytic and biomedical applications. <i>IET Nanobiotechnology</i> , 2018, 12, 857-863.	3.8	82
13	Silver nanoparticles (AgNPs) biosynthesized using pod extract of <i>Cola nitida</i> enhances antioxidant activity and phytochemical composition of <i>Amaranthus caudatus</i> Linn. <i>Applied Nanoscience (Switzerland)</i> , 2017, 7, 59-66.	3.1	81
14	Enzymatic Trends of Fructooligosaccharides Production by Microorganisms. <i>Applied Biochemistry and Biotechnology</i> , 2014, 172, 2143-2159.	2.9	78
15	<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
16	Silver-gold alloy nanoparticles biofabricated by fungal xylanases exhibited potent biomedical and catalytic activities. <i>Biotechnology Progress</i> , 2019, 35, e2829.	2.6	74
17	Anti-candida, anti-coagulant and thrombolytic activities of biosynthesized silver nanoparticles using cell-free extract of <i>Bacillus safensis</i> LAU 13. <i>Process Biochemistry</i> , 2016, 51, 1406-1412.	3.7	72
18	Kolanut ( <i>Cola nitida</i> ) Mediated Synthesis of Silver-Gold Alloy Nanoparticles: Antifungal, Catalytic, Larvicidal and Thrombolytic Applications. <i>Journal of Cluster Science</i> , 2016, 27, 1561-1577.	3.3	71

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19	Biomedical Applications of Cocoa Bean Extract-Mediated Silver Nanoparticles as Antimicrobial, Larvicidal and Anticoagulant Agents. <i>Journal of Cluster Science</i> , 2017, 28, 149-164.	3.3	71
20	Evaluation of Some Biosynthesized Silver Nanoparticles for Biomedical Applications: Hydrogen Peroxide Scavenging, Anticoagulant and Thrombolytic Activities. <i>Journal of Cluster Science</i> , 2017, 28, 1379-1392.	3.3	70
21	Paper wasp nest-mediated biosynthesis of silver nanoparticles for antimicrobial, catalytic, anticoagulant, and thrombolytic applications. <i>3 Biotech</i> , 2016, 6, 140.	2.2	68
22	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
23	Adsorptive desulphurization of model oil by Ag nanoparticles-modified activated carbon prepared from brewer's spent grains. <i>Journal of Environmental Chemical Engineering</i> , 2017, 5, 147-159.	6.7	66
24	<i>Cola nitida</i> -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
25	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
26	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
27	The microbiology of a pharmaceutical effluent and its public health implications. <i>World Journal of Microbiology and Biotechnology</i> , 2004, 20, 167-171.	3.6	62
28	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
29	The biology and potential biotechnological applications of <i>Bacillus safensis</i> . <i>Biologia (Poland)</i> , 2015, 70, 411-419.	1.5	61
30	<i>Enterococcus</i> species for the one-pot biofabrication of gold nanoparticles: Characterization and nanobiotechnological applications. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2017, 173, 250-257.	3.8	60
31	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
32	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
33	Phytosynthesis of silver nanoparticles (AgNPs) using miracle fruit plant ( <i>Synsepalum dulcificum</i> ) for antimicrobial, catalytic, anticoagulant, and thrombolytic applications. <i>Nanotechnology Reviews</i> , 2016, 5, .	5.8	55
34	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
35	Antimicrobial and antioxidant activity of Silver, Gold and Silver-Gold Alloy Nanoparticles phytosynthesized using extract of <i>Opuntia ficus-indica</i> . <i>Reviews on Advanced Materials Science</i> , 2019, 58, 313-326.	3.3	50
36	Nanomaterial Applications of Nanoparticles for Blood Coagulation Disorders. <i>Environmental Chemistry for A Sustainable World</i> , 2018, , 243-277.	0.5	47

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37	Synthesis, bioactivities and cytogenotoxicity of animal fur-mediated silver nanoparticles. IOP Conference Series: Materials Science and Engineering, 2020, 805, 012041.	0.6	47
38	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
39	Production of fructosyltransferase by a local isolate of <i>Aspergillus niger</i> in both submerged and solid substrate media. Acta Alimentaria, 2012, 41, 100-117.	0.7	43
40	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
41	Modelling of biohydrogen generation in microbial electrolysis cells (MECs) using a committee of artificial neural networks (ANNs). Biotechnology and Biotechnological Equipment, 2015, 29, 1208-1215.	1.3	42
42	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
43	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
44	Effect of nickel oxide nanoparticles on bioethanol production: Process optimization, kinetic and metabolic studies. Process Biochemistry, 2020, 92, 386-400.	3.7	39
45	Adsorption Behaviour of Rhodamine B on Hen Feather and Corn Starch Functionalized with Green Synthesized Silver Nanoparticles (AgNPs) Mediated with Cocoa Pods Extracts. Chemistry Africa, 2020, 3, 237-250.	2.4	38
46	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
47	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
48	Phytomodulatory effects of silver nanoparticles on <i>Corchorus olitorius</i> : Its antiphytopathogenic and hepatoprotective potentials. Plant Physiology and Biochemistry, 2019, 136, 109-117.	5.8	34
49	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
50	Green Synthesis and Antimicrobial Activities of Silver Nanoparticles using Cell Free-Extracts of <i>Enterococcus</i> species. Notulae Scientia Biologicae, 2017, 9, 196-203.	0.4	30
51	Influence of calcium nanoparticles (CaNPs) on nutritional qualities, radical scavenging attributes of <i>Moringa oleifera</i> and risk assessments on human health. Journal of Food Measurement and Characterization, 2020, 14, 2185-2195.	3.2	28
52	Antimicrobial resistance of bacterial strains isolated from orange juice products. African Journal of Biotechnology, 2004, 3, 334-338.	0.6	25
53	Bacteriology and genotoxicity of some pharmaceutical wastewaters in Nigeria. International Journal of Environment and Health, 2007, 1, 551.	0.3	24
54	Green Synthesis and Antibacterial Activities of Silver Nanoparticles Using Extracellular Laccase of <i>Lentinus edodes</i> . Notulae Scientia Biologicae, 2015, 7, .	0.4	24

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55	Microbial valorization of corncob: Novel route for biotechnological products for sustainable bioeconomy. <i>Environmental Technology and Innovation</i> , 2021, 24, 102073.	6.1	24
56	Public health issues in the processing of cassava ( <i>Manihot esculenta</i> ) for the production of and the application of hazard analysis control measures. <i>Quality Assurance and Safety of Crops and Foods</i> , 2016, 8, 165-177.	3.4	22
57	Assessment of the Microbiological Quality of <i>Clarias gariepinus</i> Exposed to an Industrial Effluent in Nigeria. <i>The Environmentalist</i> , 2004, 24, 249-254.	0.7	21
58	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. <i>Journal of Taibah University for Science</i> , 2017, 11, 895-909.	2.5	21
59	<i>Rhizopus stolonifer</i> LAU 07: a novel source of fructosyltransferase. <i>Chemical Papers</i> , 2008, 62, .	2.2	20
60	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
61	Cytogenotoxicity potentials of cocoa pod and bean-mediated green synthesized silver nanoparticles on <i>Allium cepa</i> cells. <i>Caryologia</i> , 2017, 70, 366-377.	0.3	19
62	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
63	Green Nanotechnology in Nigeria: The Research Landscape, Challenges and Prospects. <i>Annals of Science and Technology</i> , 2019, 4, 6-38.	0.2	17
64	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
65	Degradation of Keratin Biomass by Different Microorganisms. <i>Springer Series on Polymer and Composite Materials</i> , 2019, , 123-162.	0.7	16
66	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. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2007, 34, 491-496.	3.0	14
67	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
68	Microalgal Nanobiotechnology and Its Applications—A Brief Overview. <i>Materials Horizons</i> , 2021, , 233-255.	0.6	14
69	Antidiabetic properties of phytosynthesized gold nanoparticles (AuNPs) from <i>Datura stramonium</i> seed. <i>IOP Conference Series: Materials Science and Engineering</i> , 0, 805, 012035.	0.6	13
70	Nanobiosensors: applications in biomedical technology. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020, 805, 012028.	0.6	13
71	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
72	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

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73	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
74	Microbial Enzymes in Nanotechnology and Fabrication of Nanozymes: A Perspective. <i>Materials Horizons</i> , 2021, , 185-232.	0.6	11
75	Physico-mechanical properties of emulsion paint embedded with silver nanoparticles. <i>Bulletin of Materials Science</i> , 2021, 44, 1.	1.7	11
76	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). <i>International Journal of Medicinal Mushrooms</i> , 2016, 18, 571-581.	1.5	11
77	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. <i>South African Journal of Chemistry</i> , 2019, 72, 21-31.	0.6	11
78	Optimization of the Process for Producing Biomass and Exopolysaccharide from the King Tuber Oyster Mushroom, <i>Pleurotus tuber-regium</i> (Agaricomycetes), for Biotechnological Applications. <i>International Journal of Medicinal Mushrooms</i> , 2019, 21, 311-322.	1.5	10
79	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
80	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
81	Optimization of the production of xylanases in corncob-based media by <i>Aspergillus niger</i> and <i>Trichoderma longibrachiatum</i> using Taguchi approach. <i>Acta Biologica Szegediensis</i> , 2019, 63, 51-58.	0.3	9
82	Characterization and biomedical application of phytosynthesized gold nanoparticles from <i>Datura stramonium</i> seed extract. <i>IOP Conference Series: Materials Science and Engineering</i> , 0, 805, 012021.	0.6	8
83	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
84	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
85	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
86	Google scholar citation in retrospect: Visibility and contributions of African scholars. <i>Collnet Journal of Scientometrics and Information Management</i> , 2016, 10, 219-236.	0.8	6
87	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
88	A decade of nanotechnology research in Nigeria (2010â€“2020): a scientometric analysis. <i>Journal of Nanoparticle Research</i> , 2021, 23, 1.	1.9	6
89	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
90	Nanotechnology in the built environment for sustainable development. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020, 805, 012044.	0.6	5

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91	Valorization of <i>Parkia biglobosa</i> wastewater for novel biofabrication of Ag/TiO <sub>2</sub> nanoparticles with potent action against MDR strains and nanotextile application. <i>Inorganic Chemistry Communication</i> , 2022, 140, 109427.	3.9	5
92	Pro-Optimizer: A Novel Web-Enabled Optimization Engine for Microbial Fermentations. <i>Biotechnology and Biotechnological Equipment</i> , 2010, 24, 2137-2141.	1.3	4
93	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
94	Microbial Nanobiotechnology: The Melting Pot of Microbiology, Microbial Technology and Nanotechnology. <i>Materials Horizons</i> , 2021, , 1-19.	0.6	4
95	Beneficial Microbes as Novel Microbial Cell Factories in Nanobiotechnology: Potentials in Nanomedicine. <i>Materials Horizons</i> , 2021, , 315-342.	0.6	3
96	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
97	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
98	ASPECTS OF THE ISOLATION AND CHARACTERIZATION OF THERMOSTABLE $\alpha$ -AMYLASE FROM <i>Alternaria alternata</i> . <i>Global Journal of Pure and Applied Sciences</i> , 2004, 10, 75.	0.2	1
99	Rusty gold in Nigeria: Untapped advances in nanotechnology. <i>South African Journal of Science</i> , 2022, 118, .	0.7	1
100	Inhibitory effects of selected disinfectants and antiseptics on some resistant strains of <i>Pseudomonas Aeruginosa</i> . <i>Global Journal of Pure and Applied Sciences</i> , 2005, 11, 367.	0.2	0
101	Influence of Nanosilica on Workability and Compressive Strength of Wood Ash Cement Concrete. <i>Lautech Journal of Civil and Environmental Studies</i> , 2019, 2, .	0.1	0