

Adelaja Osibote

List of Publications by Year in descending order

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Version: 2024-02-01

51
papers

1,148
citations

566801

15
h-index

500791

28
g-index

52
all docs

52
docs citations

52
times ranked

924
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of hexavalent chromium on the environment and removal techniques: A review. Journal of Environmental Management, 2021, 280, 111809.	3.8	169
2	Fly ash-based adsorbent for adsorption of heavy metals and dyes from aqueous solution: a review. Journal of Materials Research and Technology, 2021, 14, 2751-2774.	2.6	127
3	A review of hexavalent chromium removal from aqueous solutions by sorption technique using nanomaterials. Journal of Environmental Chemical Engineering, 2020, 8, 104503.	3.3	94
4	Automated focusing in bright-field microscopy for tuberculosis detection. Journal of Microscopy, 2010, 240, 155-163.	0.8	73
5	Facile synthesis of transparent and fluorescent epoxy-CdSe/ZnS core-multi shell polymer nanocomposites. New Journal of Chemistry, 2014, 38, 155-162.	1.4	29
6	A Facile Review on the Sorption of Heavy Metals and Dyes Using Bionanocomposites. Adsorption Science and Technology, 2022, 2022, .	1.5	28
7	A systematic review on the detection and monitoring of toxic gases using carbon nanotube-based biosensors. Sensing and Bio-Sensing Research, 2021, 34, 100463.	2.2	27
8	Optimization of biodiesel produced from waste sunflower cooking oil over bi-functional catalyst. Results in Engineering, 2022, 13, 100374.	2.2	24
9	Paediatric x-ray examinations in Rio de Janeiro. Physics in Medicine and Biology, 2006, 51, 3723-3732.	1.6	23
10	Malachite Green Removal by Activated Potassium Hydroxide Clove Leaf Agrowaste Biosorbent: Characterization, Kinetic, Isotherm, and Thermodynamic Studies. Adsorption Science and Technology, 2021, 2021, 1-15.	1.5	23
11	Radioactivity in the community water supplies of Ife-Central and Ife-East local government areas of Osun State, Nigeria. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1999, 422, 784-789.	0.7	22
12	A Methodical Review on Carbon-Based Nanomaterials in Energy-Related Applications. Adsorption Science and Technology, 2022, 2022, .	1.5	22
13	Accumulation and risk assessment of metals in palm oil cultivated on contaminated oil palm plantation soils. Toxicology Reports, 2020, 7, 324-334.	1.6	20
14	A Methodical Review on the Applications and Potentialities of Using Nanobiosensors for Disease Diagnosis. BioMed Research International, 2022, 2022, 1-20.	0.9	18
15	Carbon derived nanomaterials for the sorption of heavy metals from aqueous solution: A review. Environmental Nanotechnology, Monitoring and Management, 2021, 16, 100578.	1.7	17
16	The use of biochar-NH ₂ produced from watermelon peels as a natural adsorbent for the removal of Cu(II) ion from water. Biomass Conversion and Biorefinery, 2024, 14, 1975-1991.	2.9	17
17	Radioactivity in milk consumed in Nigeria 10 years after Chernobyl reactor accident. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1999, 422, 778-783.	0.7	15
18	Estimation of adult patient doses for common diagnostic X-ray examinations in Rio de Janeiro, Brazil. Physica Medica, 2008, 24, 21-28.	0.4	14

#	ARTICLE	IF	CITATIONS
19	Biosorption of acid brown 14 dye to mandarin-CO-TETA derived from mandarin peels. Biomass Conversion and Biorefinery, 2024, 14, 5053-5073.	2.9	13
20	Estudo comparativo das técnicas radiográficas e doses entre o Brasil e a Austrália. Radiologia Brasileira, 2005, 38, 343-346.	0.3	12
21	Trace elements and radionuclides in palm oil, soil, water, and leaves from oil palm plantations: A review. Critical Reviews in Food Science and Nutrition, 2017, 57, 1295-1315.	5.4	12
22	An Overview of the Emergence and Challenges of Land Reclamation: Issues and Prospect. Applied and Environmental Soil Science, 2022, 2022, 1-14.	0.8	11
23	An Assessment of the Bioavailability of Metals in Soils on Oil Palm Plantations in Nigeria. Polish Journal of Environmental Studies, 2016, 25, 1125-1140.	0.6	10
24	Survey of doses and frequency of X-ray examinations on children at the intensive care unit of a large reference pediatric hospital. Applied Radiation and Isotopes, 2006, 64, 1637-1642.	0.7	8
25	Fate and partitioning of heavy metals in soils from landfill sites in Cape Town, South Africa: a health risk approach to data interpretation. Environmental Geochemistry and Health, 2020, 42, 283-312.	1.8	8
26	Exposição de pacientes e qualidade da imagem em radiografias de tórax: uma avaliação crítica. Radiologia Brasileira, 2007, 40, 119-122.	0.3	7
27	A facile non-organometallic synthesis of hexadecylamine-capped ZnSe nanoparticles. Materials Science in Semiconductor Processing, 2014, 27, 427-432.	1.9	7
28	Thermochemical Conversion of Municipal Solid Waste – An Energy Potential and Thermal Degradation Behavior Study. International Journal of Environmental Science and Development, 2016, 7, 661-667.	0.2	7
29	A Review of Health Hazards Associated with Rainwater Harvested from Green, Conventional and Photovoltaic Rooftops. International Journal of Environmental Science and Development, 2021, 12, 289-303.	0.2	5
30	Fluoride ions sorption using functionalized magnetic metal oxides nanocomposites: a review. Environmental Science and Pollution Research, 2022, 29, 9640.	2.7	5
31	Degradation of Methylene Blue Dye and Bisphenol-A Using Expanded Graphene-Polypyrrole-Magnetite Nanocomposite. Topics in Catalysis, 2022, 65, 1745-1754.	1.3	5
32	Catalyst and Elemental Analysis Involving Biodiesel from Various Feedstocks. Catalysts, 2021, 11, 971.	1.6	4
33	Biosensing Applications of Electrode Materials. Engineering Materials, 2022, , 187-231.	0.3	4
34	Size tunable synthesis of HDA and TOPO capped ZnSe nanoparticles via a facile aqueous/thermolysis hybrid solution route. Journal of Materials Science: Materials in Electronics, 2016, 27, 3880-3887.	1.1	3
35	Process Simulation of Municipal Solid Waste Derived Pellet Gasification for Fuel Production. , 2018, , .		3
36	Chemical and quality performance of biodiesel and petrol blends. Energy Conversion and Management: X, 2022, 15, 100256.	0.9	3

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37	DETERMINATION OF TRACE AND MAJOR ELEMENTS IN WATER ON OIL PALM PLANTATIONS BY INDUCTIVELY COUPLED PLASMA-OPTICAL EMISSION SPECTROMETRY. Instrumentation Science and Technology, 2014, 42, 652-666.	0.9	2
38	An Evaluation of the Level of Synthetic Phenolic Antioxidants in Virgin Palm Oil. International Journal of Electrical Energy, 2015, 1, .	0.4	2
39	Determination of the Level of Pesticides in Sediment and Water from the Lagos Lagoon. Journal of Advanced Agricultural Technologies, 2016, 3, 222-225.	0.2	2
40	Utility of bionanocomposites for wastewater treatment. , 0, , .		2
41	Measuring the velocity profile of spinning particles and its impact on Cr(VI) sequestration. Chemical Engineering and Processing: Process Intensification, 2022, 178, 109013.	1.8	2
42	Image fusion for autofocusing in fluorescence microscopy for tuberculosis screening. , 2011, , .		1
43	Comparison of image fusion and focus function-based techniques for autofocusing in fluorescence microscopy for tuberculosis screening. International Journal of Medical Engineering and Informatics, 2013, 5, 177.	0.2	1
44	Introductory Chapter: Radiation Exposure, Dose and Protection. , 0, , .		1
45	Assessment of Heavy Metals Contamination at Cape Town Landfill Sites. International Journal of Environmental Science and Development, 2016, 7, 831-834.	0.2	1
46	Assessment of Naturally Occurring Radionuclides Accumulation in Palm Oil from Soil. International Journal of Environmental Science and Development, 2022, 13, 8-15.	0.2	1
47	Environmental Emissions Assessment of Coal and Refuse Derived Fuel Incineration Processes by Simulation. , 2018, , .		0
48	Functionalized nanomagnetic materials for environmental applications. , 2021, , 127-145.		0
49	Synthetic antioxidants and metallic elements as additives/contaminants in virgin palm oil. Asian Journal of Agriculture and Biology, 2020, 8, 98-112.	1.4	0
50	Electrochemical Detection of Heavy Metals. Engineering Materials, 2022, , 25-63.	0.3	0
51	Assessment of the Velocity of Rotating Particles in a Cylindrical Channel and its Effects on the Sorption of Fluoride Ions Using the In-Line Particle Shadow Velocimetry Method. SSRN Electronic Journal, 0, , .	0.4	0