

Tunde V Ojumu

List of Publications by Year in descending order

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59
papers

2,329
citations

257450

24
h-index

214800

47
g-index

62
all docs

62
docs citations

62
times ranked

2633
citing authors

#	ARTICLE	IF	CITATIONS
1	Process optimization of microwave irradiation-aided transesterification of karia seed oil by Taguchi orthogonal array: pawpaw trunk as a novel biocatalyst. <i>Biofuels, Bioproducts and Biorefining</i> , 2021, 15, 1006-1020.	3.7	7
2	Isolation and characterization of nanocrystalline cellulose from cocoa pod husk (CPH) biomass wastes. <i>Heliyon</i> , 2021, 7, e06680.	3.2	34
3	Editorial: Plant Seed Oils and Their Potential for Biofuel Production. <i>Frontiers in Energy Research</i> , 2021, 9, .	2.3	0
4	Kinetics, Thermodynamics, and Mechanism of Cu(II) Ion Sorption by Biogenic Iron Precipitate: Using the Lens of Wastewater Treatment to Diagnose a Typical Biohydrometallurgical Problem. <i>ACS Omega</i> , 2021, 6, 27984-27993.	3.5	8
5	Treatment of acid mine drainage with coal fly ash in a jet loop reactor pilot plant. <i>Minerals Engineering</i> , 2020, 159, 106611.	4.3	10
6	Optimization of process variables for acetoin production in a bioreactor using Taguchi orthogonal array design. <i>Heliyon</i> , 2020, 6, e05103.	3.2	21
7	Pawpaw (<i>Carica papaya</i>) Peel Waste as a Novel Green Heterogeneous Catalyst for Moringa Oil Methyl Esters Synthesis: Process Optimization and Kinetic Study. <i>Energies</i> , 2020, 13, 5834.	3.1	24
8	Fly Ash-Based Geopolymer Building Materials for Green and Sustainable Development. <i>Materials</i> , 2020, 13, 5699.	2.9	34
9	Sustainable Biodiesel Synthesis from Honne-Rubber-Neem Oil Blend with a Novel Mesoporous Base Catalyst Synthesized from a Mixture of Three Agrowastes. <i>Catalysts</i> , 2020, 10, 190.	3.5	40
10	Exclusion of Estrogenic and Androgenic Steroid Hormones from Municipal Membrane Bioreactor Wastewater Using UF/NF/RO Membranes for Water Reuse Application. <i>Membranes</i> , 2020, 10, 37.	3.0	27
11	Applications of Nonconventional Green Extraction Technologies in Process Industries: Challenges, Limitations and Perspectives. <i>Sustainability</i> , 2020, 12, 5244.	3.2	47
12	Development of a Novel Mesoporous Biocatalyst Derived from Kola Nut Pod Husk for Conversion of Karia Seed Oil to Methyl Esters: A Case of Synthesis, Modeling and Optimization Studies. <i>Catalysis Letters</i> , 2019, 149, 1772-1787.	2.6	66
13	IMPROVING BIODEGRADATION OF BENZO(GH)PERYLENE IN SOIL: EFFECTS OF BACTERIAL CO-CULTURE, AGROWASTE AND BIOSURFACTANT SUPPLEMENTATION. <i>Carpathian Journal of Earth and Environmental Sciences</i> , 2019, 14, 191-198.	0.4	6
14	Optimization of Corn Steep Liquor Dosage and Other Fermentation Parameters for Ethanol Production by <i>Saccharomyces cerevisiae</i> Type 1 and Anchor Instant Yeast. <i>Energies</i> , 2018, 11, 1740.	3.1	23
15	Potential of Ripe Plantain Fruit Peels as an Ecofriendly Catalyst for Biodiesel Synthesis: Optimization by Artificial Neural Network Integrated with Genetic Algorithm. <i>Sustainability</i> , 2018, 10, 707.	3.2	60
16	Charge transfer between biogenic jarosite derived Fe 3+ and TiO 2 enhances visible light photocatalytic activity of TiO 2. <i>Journal of Environmental Sciences</i> , 2017, 54, 256-267.	6.1	8
17	Synthesis and Characterization of Faujasite Zeolite and Geopolymer from South African Coal Fly Ash. <i>Journal of Environmental Engineering, ASCE</i> , 2017, 143, .	1.4	14
18	Two-Step Conversion of Neem (<i>Azadirachta indica</i>) Seed Oil into Fatty Methyl Esters Using a Heterogeneous Biomass-Based Catalyst: An Example of Cocoa Pod Husk. <i>Energy & Fuels</i> , 2017, 31, 6182-6193.	5.1	94

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19	Non-enzymatic Fructose Sensor Based on Co ₃ O ₄ Thin Film. <i>Electroanalysis</i> , 2017, 29, 2855-2862.	2.9	6
20	Microbial Ferrous Ion Oxidation versus Ferric Ion Precipitation at Low Temperature Conditions. <i>Solid State Phenomena</i> , 2017, 262, 381-384.	0.3	2
21	Thermodynamic Data of <i>Fusarium oxysporum</i> Grown on Different Substrates in Gold Mine Wastewater. <i>Data</i> , 2017, 2, 24.	2.3	2
22	Bioremediating silty soil contaminated by phenanthrene, pyrene, benz(a)anthracene, benzo(a)pyrene using <i>Bacillus</i> sp. and <i>Pseudomonas</i> sp.: Biosurfactant/ <i>Beta vulgaris</i> agrowaste effects. <i>African Journal of Biotechnology</i> , 2016, 15, 1058-1068.	0.6	0
23	The production of hydrogen through the use of a 77Åwt% Pd 23Åwt% Ag membrane water gas shift reactor. <i>South African Journal of Chemical Engineering</i> , 2016, 22, 44-54.	2.4	15
24	Banana peels as a biobase catalyst for fatty acid methyl esters production using Napoleon's plume (<i>Bauhinia monandra</i>) seed oil: A process parameters optimization study. <i>Energy</i> , 2016, 103, 797-806.	8.8	157
25	Kinetic modelling of cell growth, substrate utilization, and biosurfactant production from solid agrowaste (<i>Beta vulgaris</i>) by <i>Bacillus licheniformis</i> STK 01. <i>Canadian Journal of Chemical Engineering</i> , 2016, 94, 2268-2275.	1.7	10
26	Synthesis of zeolite A from coal fly ash using ultrasonic treatment – A replacement for fusion step. <i>Ultrasonics Sonochemistry</i> , 2016, 31, 342-349.	8.2	98
27	Solution pH and Jarosite Management during Ferrous Iron Biooxidation in a Novel Packed-Column Bioreactor. <i>Advanced Materials Research</i> , 2015, 1130, 291-295.	0.3	3
28	Utilization of <i>Beta vulgaris</i> Agrowaste in Biodegradation of Cyanide Contaminated Wastewater. , 2015, , .		2
29	Investigating the effect of acid stress on selected mesophilic micro-organisms implicated in bioleaching. <i>Minerals Engineering</i> , 2015, 75, 6-13.	4.3	14
30	Biodegradation Kinetics of Free Cyanide in <i>Fusarium oxysporum</i> - <i>Beta vulgaris</i> Waste-metal (As, Cu, Fe,) Tj ETQq0 0.0,rgBT /Overlock 10	1.0	9
31	Emulsification of Hydrocarbons by Biosurfactant: Exclusive Use of Agrowaste. <i>BioResources</i> , 2014, 9, .	1.0	20
32	Optimization of Biosurfactant Production by <i>Bacillus licheniformis</i> STK 01 Grown Exclusively on <i>Beta vulgaris</i> Waste using Response Surface Methodology. <i>BioResources</i> , 2014, 9, .	1.0	16
33	Distributional Fate of Elements during the Synthesis of Zeolites from South African Coal Fly Ash. <i>Materials</i> , 2014, 7, 3305-3318.	2.9	21
34	A review of current technology for biodiesel production: State of the art. <i>Biomass and Bioenergy</i> , 2014, 61, 276-297.	5.7	546
35	Investigation of ferrous-iron biooxidation kinetics by <i>Leptospirillum ferriphilum</i> in a novel packed-column bioreactor: Effects of temperature and jarosite accumulation. <i>Hydrometallurgy</i> , 2014, 141, 36-42.	4.3	22
36	The transport of atmospheric NO ₂ and HNO ₃ over Cape Town. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 559-575.	4.9	10

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37	Synthesis of Zeolites Na-P1 from South African Coal Fly Ash: Effect of Impeller Design and Agitation. <i>Materials</i> , 2013, 6, 2074-2089.	2.9	51
38	Fungi solubilisation of low rank coal: Performances of stirred tank, fluidised bed and packed bed reactors. <i>Fuel Processing Technology</i> , 2013, 106, 295-302.	7.2	6
39	Investigation of the Effect of pH Operating Conditions on Bioleaching of Low-Grade Chalcopyrite in Column Reactors. <i>Advanced Materials Research</i> , 2013, 825, 401-405.	0.3	2
40	Waste Minimization Protocols for the Process of Synthesizing Zeolites from South African Coal Fly Ash. <i>Materials</i> , 2013, 6, 1688-1703.	2.9	32
41	Potential Applications of Zeolite Membranes in Reaction Coupling Separation Processes. <i>Materials</i> , 2012, 5, 2101-2136.	2.9	46
42	Fate of sulphate removed during the treatment of circumneutral mine water and acid mine drainage with coal fly ash: Modelling and experimental approach. <i>Minerals Engineering</i> , 2011, 24, 1467-1477.	4.3	60
43	The kinetics of ferrous ion oxidation by <i>Leptospirillum ferriphilum</i> in continuous culture: The effect of pH. <i>Hydrometallurgy</i> , 2011, 106, 5-11.	4.3	26
44	Application of coal fly ash to circumneutral mine waters for the removal of sulphates as gypsum and ettringite. <i>Minerals Engineering</i> , 2010, 23, 252-257.	4.3	59
45	A comparative study of the hydrolysis of gamma irradiated lignocelluloses. <i>Brazilian Journal of Chemical Engineering</i> , 2009, 26, 251-255.	1.3	20
46	Kinetics of Microbial Ferrous-Iron Oxidation by <i>Leptospirillum Ferriphilum</i> : Effect of Ferric-Iron on Biomass Growth. <i>Advanced Materials Research</i> , 2009, 71-73, 259-262.	0.3	1
47	The kinetics of ferrous-iron oxidation by <i>Leptospirillum ferriphilum</i> in continuous culture: The effect of temperature. <i>Biochemical Engineering Journal</i> , 2009, 46, 161-168.	3.6	33
48	The effect of dissolved cations on microbial ferrous-iron oxidation by <i>Leptospirillum ferriphilum</i> in continuous culture. <i>Hydrometallurgy</i> , 2008, 94, 69-76.	4.3	46
49	The Effect of Total Iron Concentration and Iron Speciation on the Rate of Ferrous Iron Oxidation Kinetics of <i>Leptospirillum ferriphilum</i> in Continuous Tank Systems. <i>Advanced Materials Research</i> , 2007, 20-21, 447-451.	0.3	7
50	The Effect of Aluminium and Magnesium Sulphate on the Rate of Ferrous Iron Oxidation by <i>Leptospirillum ferriphilum</i> in Continuous Culture. <i>Advanced Materials Research</i> , 2007, 20-21, 156-159.	0.3	6
51	A review of rate equations proposed for microbial ferrous-iron oxidation with a view to application to heap bioleaching. <i>Hydrometallurgy</i> , 2006, 83, 21-28.	4.3	58
52	Production of Polyhydroxyalkanoates, a bacterial biodegradable polymer. <i>African Journal of Biotechnology</i> , 2004, 3, 18-24.	0.6	223
53	Case-Depth Studies of Pack Cyaniding of Mild Steel Using Cassava Leaves. <i>Materials and Manufacturing Processes</i> , 2004, 19, 899-905.	4.7	12
54	Substrate Inhibition Kinetics of Phenol Degradation by <i>Pseudomonas aeruginosa</i> and <i>Pseudomonas fluorescens</i> . <i>Biotechnology</i> , 2004, 4, 56-61.	0.1	35

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55	Auto-hydrolysis of lignocellulosics under extremely low sulphuric acid and high temperature conditions in batch reactor. <i>Biotechnology and Bioprocess Engineering</i> , 2003, 8, 291-293.	2.6	7
56	Cellulase Production by <i>Aspergillus flavus</i> Linn Isolate NSPR 101 fermented in sawdust, bagasse and corncob. <i>African Journal of Biotechnology</i> , 2003, 2, 150-152.	0.6	81
57	The effect of processing on total organic acids content and mineral availability of simulated cassava-vegetable diets. <i>Plant Foods for Human Nutrition</i> , 1999, 53, 367-380.	3.2	30
58	Upscaling of Zeolite Synthesis from Coal Fly Ash Waste: Current Status and Future Outlook. , 0, , .		8
59	The Effect of Initial Solution pH on Surface Properties of Ferric Ion Precipitates Formed during Biooxidation of Ferrous Ion by <i>Leptospirillum ferriphilum</i> . <i>Solid State Phenomena</i> , 0, 262, 403-407.	0.3	3