Tunde V Ojumu

List of Publications by Year
in descending order

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	A review of current technology for biodiesel production: State of the art. Biomass and Bioenergy, 2014, 61, 276-297.	5.7	546
2	Production of Polyhydroxyalkanoates, a bacterial biodegradable polymer. African Journal of Biotechnology, 2004, 3, 18-24.	0.6	223
3	Banana peels as a biobase catalyst for fatty acid methyl esters production using Napoleon's plume (Bauhinia monandra) seed oil: A process parameters optimization study. Energy, 2016, 103, 797-806.	8.8	157
4	Synthesis of zeolite A from coal fly ash using ultrasonic treatment â€“ A replacement for fusion step. Ultrasonics Sonochemistry, 2016, 31, 342-349.	8.2	98
5	Two-Step Conversion of Neem (Azadirachta indica) Seed Oil into Fatty Methyl Esters Using a Heterogeneous Biomass-Based Catalyst: An Example of Cocoa Pod Husk. Energy & Fuels, 2017, 31, 6182-6193.	5.1	94
6	Cellulase Production by Aspergillus flavus Linn Isolate NSPR 101 fermented in sawdust, bagasse and corncob. African Journal of Biotechnology, 2003, 2, 150-152.	0.6	81
7	Development of a Novel Mesoporous Biocatalyst Derived from Kola Nut Pod Husk for Conversion of Kariya Seed Oil to Methyl Esters: A Case of Synthesis, Modeling and Optimization Studies. Catalysis Letters, 2019, 149, 1772-1787.	2.6	66
8	Fate of sulphate removed during the treatment of circumneutral mine water and acid mine drainage with coal fly ash: Modelling and experimental approach. Minerals Engineering, 2011, 24, 1467-1477.	4.3	60
9	Potential of Ripe Plantain Fruit Peels as an Ecofriendly Catalyst for Biodiesel Synthesis: Optimization by Artificial Neural Network Integrated with Genetic Algorithm. Sustainability, 2018, 10, 707.	3.2	60
10	Application of coal fly ash to circumneutral mine waters for the removal of sulphates as gypsum and ettringite. Minerals Engineering, 2010, 23, 252-257.	4.3	59
11	A review of rate equations proposed for microbial ferrous-iron oxidation with a view to application to heap bioleaching. Hydrometallurgy, 2006, 83, 21-28.	4.3	58
12	Synthesis of Zeolites Na-P1 from South African Coal Fly Ash: Effect of Impeller Design and Agitation. Materials, 2013, 6, 2074-2089.	2.9	51
13	Applications of Nonconventional Green Extraction Technologies in Process Industries: Challenges, Limitations and Perspectives. Sustainability, 2020, 12, 5244.	3.2	47
14	The effect of dissolved cations on microbial ferrous-iron oxidation by Leptospirillum ferriphilum in continuous culture. Hydrometallurgy, 2008, 94, 69-76.	4.3	46
15	Potential Applications of Zeolite Membranes in Reaction Coupling Separation Processes. Materials, 2012, 5, 2101-2136.	2.9	46
16	Sustainable Biodiesel Synthesis from Honne-Rubber-Neem Oil Blend with a Novel Mesoporous Base Catalyst Synthesized from a Mixture of Three Agrowastes. Catalysts, 2020, 10, 190.	3.5	40
17	Substrate Inhibition Kinetics of Phenol Degradation by Pseudomonas aeruginosa and Pseudomonas fluorescence. Biotechnology, 2004, 4, 56-61.	0.1	35
18	Fly Ash-Based Geopolymer Building Materials for Green and Sustainable Development. Materials, 2020, 13, 5699.	2.9	34

#	Article	IF	Citations
19	Isolation and characterization of nanocrystalline cellulose from cocoa pod husk (CPH) biomass wastes. Heliyon, 2021, 7, e06680.	3.2	34
20	The kinetics of ferrous-iron oxidation by Leptospirillum ferriphilum in continuous culture: The effect of temperature. Biochemical Engineering Journal, 2009, 46, 161-168.	3.6	33
21	Waste Minimization Protocols for the Process of Synthesizing Zeolites from South African Coal Fly Ash. Materials, 2013, 6, 1688-1703.	2.9	32
22	The effect of processing on total organic acids content and mineral availability of simulated cassava-vegetable diets. Plant Foods for Human Nutrition, 1999, 53, 367-380.	3.2	30
23	Exclusion of Estrogenic and Androgenic Steroid Hormones from Municipal Membrane Bioreactor Wastewater Using UF/NF/RO Membranes for Water Reuse Application. Membranes, 2020, 10, 37.	3.0	27
24	The kinetics of ferrous ion oxidation by Leptospirillum ferriphilum in continuous culture: The effect of pH. Hydrometallurgy, 2011, 106, 5-11.	4.3	26
25	Pawpaw (Carica papaya) Peel Waste as a Novel Green Heterogeneous Catalyst for Moringa Oil Methyl Esters Synthesis: Process Optimization and Kinetic Study. Energies, 2020, 13, 5834.	3.1	24
26	Optimization of Corn Steep Liquor Dosage and Other Fermentation Parameters for Ethanol Production by Saccharomyces cerevisiae Type 1 and Anchor Instant Yeast. Energies, 2018, 11, 1740.	3.1	23
27	Investigation of ferrous-iron biooxidation kinetics by Leptospirillum ferriphilum in a novel packed-column bioreactor: Effects of temperature and jarosite accumulation. Hydrometallurgy, 2014, 141, 36-42.	4.3	22
28	Distributional Fate of Elements during the Synthesis of Zeolites from South African Coal Fly Ash. Materials, 2014, 7, 3305-3318.	2.9	21
29	Optimization of process variables for acetoin production in a bioreactor using Taguchi orthogonal array design. Heliyon, 2020, 6, e05103.	3.2	21
30	A comparative study of the hydrolysis of gamma irradiated lignocelluloses. Brazilian Journal of Chemical Engineering, 2009, 26, 251-255.	1.3	20
31	Emulsification of Hydrocarbons by Biosurfactant: Exclusive Use of Agrowaste. BioResources, 2014, 9, .	1.0	20
32	Optimization of Biosurfactant Production by Bacillus licheniformis STK 01 Grown Exclusively on Beta vulgaris Waste using Response Surface Methodology. BioResources, 2014, 9, .	1.0	16
33	The production of hydrogen through the use of a 77Âwt% Pd 23Âwt% Ag membrane water gas shift reactor. South African Journal of Chemical Engineering, 2016, 22, 44-54.	2.4	15
34	Investigating the effect of acid stress on selected mesophilic micro-organisms implicated in bioleaching. Minerals Engineering, 2015, 75, 6-13.	4.3	14
35	Synthesis and Characterization of Faujasite Zeolite and Geopolymer from South African Coal Fly Ash. Journal of Environmental Engineering, ASCE, 2017, 143, .	1.4	14
36	Case-Depth Studies of Pack Cyaniding of Mild Steel Using Cassava Leaves. Materials and Manufacturing Processes, 2004, 19, 899-905.	4.7	12

#	Article	IF	Citations
37	The transport of atmospheric NO_x and HNO₃ over Cape Town. Atmospheric Chemistry and Physics, 2014, 14, 559-575.	4.9	10
38	Kinetic modelling of cell growth, substrate utilization, and biosurfactant production from solid agrowaste (Beta vulgaris) by Bacillus licheniformis STK 01. Canadian Journal of Chemical Engineering, 2016, 94, 2268-2275.	1.7	10
39	Treatment of acid mine drainage with coal fly ash in a jet loop reactor pilot plant. Minerals Engineering, 2020, 159, 106611.	4.3	10
40	Biodegradation Kinetics of Free Cyanide in Fusarium oxysporum-Beta vulgaris Waste-metal (As, Cu, Fe,) Tj ETQq0 0 0 rgBT /Overlock 10	1.0	9
41	Upscaling of Zeolite Synthesis from Coal Fly Ash Waste: Current Status and Future Outlook. , 0, , .		8
42	Charge transfer between biogenic jarosite derived Fe 3+ and TiO 2 enhances visible light photocatalytic activity of TiO 2. Journal of Environmental Sciences, 2017, 54, 256-267.	6.1	8
43	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. ACS Omega, 2021, 6, 27984-27993.	3.5	8
44	Auto-hydrolysis of lignocellulosics under extremely low sulphuric acid and high temperature conditions in batch reactor. Biotechnology and Bioprocess Engineering, 2003, 8, 291-293.	2.6	7
45	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. Advanced Materials Research, 2007, 20-21, 447-451.	0.3	7
46	Process optimization of microwave irradiationâ€aided transesterification of kariya seed oil by Taguchi orthogonal array: pawpaw trunk as a novel biocatalyst. Biofuels, Bioproducts and Biorefining, 2021, 15, 1006-1020.	3.7	7
47	The Effect of Aluminium and Magnesium Sulphate on the Rate of Ferrous Iron Oxidation by <i>Leptospirillum ferriphilum</i> in Continuous Culture. Advanced Materials Research, 2007, 20-21, 156-159.	0.3	6
48	Fungi solubilisation of low rank coal: Performances of stirred tank, fluidised bed and packed bed reactors. Fuel Processing Technology, 2013, 106, 295-302.	7.2	6
49	Nonâ€enzymatic Fructose Sensor Based on Co₃O₄ Thin Film. Electroanalysis, 2017, 29, 2855-2862.	2.9	6
50	IMPROVING BIODEGRADATION OF BENZO(GHI)PERYLENE IN SOIL: EFFECTS OF BACTERIAL CO-CULTURE, AGROWASTE AND BIOSURFACTANT SUPPLEMENTATION. Carpathian Journal of Earth and Environmental Sciences, 2019, 14, 191-198.	0.4	6
51	Solution pH and Jarosite Management during Ferrous Iron Biooxidation in a Novel Packed-Column Bioreactor. Advanced Materials Research, 2015, 1130, 291-295.	0.3	3
52	The Effect of Initial Solution pH on Surface Properties of Ferric Ion Precipitates Formed during Biooxidation of Ferrous Ion by <i>Leptospirillum ferriphilum</i>. Solid State Phenomena, 0, 262, 403-407.	0.3	3
53	Investigation of the Effect of pH Operating Conditions on Bioleaching of Low-Grade Chalcopyrite in Column Reactors. Advanced Materials Research, 2013, 825, 401-405.	0.3	2
54	Utilization of Beta vulgaris Agrowaste in Biodegradation of Cyanide Contaminated Wastewater. , 2015, , .		2

#	Article	IF	Citations
55	Microbial Ferrous Ion Oxidation versus Ferric Ion Precipitation at Low Temperature Conditions. Solid State Phenomena, 2017, 262, 381-384.	0.3	2
56	Thermodynamic Data of Fusarium oxysporum Grown on Different Substrates in Gold Mine Wastewater. Data, 2017, 2, 24.	2.3	2
57	Kinetics of Microbial Ferrous-Iron Oxidation by Leptospirillum Ferriphilum: Effect of Ferric-Iron on Biomass Growth. Advanced Materials Research, 2009, 71-73, 259-262.	0.3	1
58	Bioremediating silty soil contaminated by phenanthrene, pyrene, benz(a)anthracene, benzo(a)pyrene using Bacillus sp. and Pseudomonas sp.: Biosurfactant/Beta vulgaris agrowaste effects. African Journal of Biotechnology, 2016, 15, 1058-1068.	0.6	0
59	Editorial: Plant Seed Oils and Their Potential for Biofuel Production. Frontiers in Energy Research, 2021, 9, .	2.3	0