Seteno Karabo Obed Ntwampe

List of Publications by Year
in descending order

104	1,026	516561 16	610775 24
papers	citations	h-index	g-index

107	107	107	1016
all docs	docs citations	times ranked	citing authors

#	ARTICLE	IF	CITATIONS
1	An integrated biological approach for treatment of cyanidation wastewater. Science of the Total Environment, 2016, 571, 711-720.	3.9	49
2	Stabilization of heavy metals loaded sewage sludge: Reviewing conventional to state-of-the-art thermal treatments in achieving energy sustainability. Chemosphere, 2021, 277, 130310.	4.2	49
3	Perfluorooctanoate and perfluorooctane sulfonate in South African river water. Water Science and Technology, 2014, 69, 185-194.	1.2	41
4	Treatment of poultry slaughterhouse wastewater using a static granular bed reactor (SGBR) coupled with ultrafiltration (UF) membrane system. Water Science and Technology, 2017, 76, 106-114.	1.2	33
5	Susceptibility of Riparian Wetland Plants to Perfluorooctanoic Acid (PFOA) Accumulation. International Journal of Phytoremediation, 2014, 16, 926-936.	1.7	31
6	Recent developments in polyfluoroalkyl compounds research: a focus on human/environmental health impact, suggested substitutes and removal strategies. Environmental Monitoring and Assessment, 2017, 189, 402.	1.3	29
7	Rapid Adsorption of Crystal Violet onto Magnetic Zeolite Synthesized from Fly Ash and Magnetite Nanoparticles. Journal of Encapsulation and Adsorption Sciences, 2015, 05, 191-203.	0.3	28
8	Poultry slaughterhouse wastewater treatment using a static granular bed reactor coupled with single stage nitrification-denitrification and ultrafiltration systems. Journal of Water Process Engineering, 2019, 29, 100778.	2.6	27
9	Biodegradation of free cyanide and subsequent utilisation of biodegradation by-products by Bacillus consortia: optimisation using response surface methodology. Environmental Science and Pollution Research, 2015, 22, 10434-10443.	2.7	26
10	The Use of Candida pyralidae and Pichia kluyveri to Control Spoilage Microorganisms of Raw Fruits Used for Beverage Production. Foods, 2019, 8, 454.	1.9	22
11	Performance of an expanded granular sludge bed (EGSB) reactor coupled with anoxic and aerobic bioreactors for treating poultry slaughterhouse wastewater. Water Practice and Technology, 2016, 11, 86-92.	1.0	21
12	Emulsification of Hydrocarbons by Biosurfactant: Exclusive Use of Agrowaste. BioResources, 2014, 9, .	0.5	20
13	Free cyanide and thiocyanate biodegradation by Pseudomonas aeruginosa STK 03 capable of heterotrophic nitrification under alkaline conditions. 3 Biotech, 2016, 6, 6.	1.1	20
14	A bioflocculant-supported dissolved air flotation system for the removal of suspended solids, lipids and protein matter from poultry slaughterhouse wastewater. Water Science and Technology, 2018, 78, 452-458.	1.2	20
15	Performance of various cyanide degrading bacteria on the biodegradation of free cyanide in water. Journal of Hazardous Materials, 2019, 380, 120900.	6.5	18
16	Quantifying growth kinetics of Phanerochaete chrysosporium immobilised on a vertically orientated polysulphone capillary membrane: Biofilm development and substrate consumption. Biochemical Engineering Journal, 2006, 30, 147-151.	1.8	16
17	Optimization of Biosurfactant Production by Bacillus licheniformis STK 01 Grown Exclusively on Beta vulgaris Waste using Response Surface Methodology. BioResources, 2014, 9, .	0.5	16
18	Optimisation of bioflocculant production by a biofilm forming microorganism from poultry slaughterhouse wastewater for use in poultry wastewater treatment. Water Science and Technology, 2016, 73, 1963-1968.	1.2	16

#	Article	IF	Citations
19	Performance evaluation and kinetic parameter analysis for static granular bed reactor (SGBR) for treating poultry slaughterhouse wastewater at mesophilic condition. Water Practice and Technology, 2019, 14, 259-268.	1.0	16
20	Grape Pomace Extracts as Fermentation Medium for the Production of Potential Biopreservation Compounds. Foods, 2019, 8, 51.	1.9	15
21	Isolation of high-salinity-tolerant bacterial strains, Enterobacter sp., Serratia sp., Yersinia sp., for nitrification and aerobic denitrification under cyanogenic conditions. Water Science and Technology, 2016, 73, 2168-2175.	1.2	14
22	Analysis of the characteristics of poultry slaughterhouse wastewater (PSW) and its treatability. Water Practice and Technology, 2019, 14, 959-970.	1.0	14
23	Bio-inspired synthesis of PbO nanoparticles (NPs) via an aqueous extract of Rosmarinus officinalis (rosemary) leaves. Materials Today: Proceedings, 2021, 36, 421-426.	0.9	14
24	Oxygen mass transfer for an immobilised biofilm of Phanerochaete chrysosporium in a membrane gradostat reactor. Brazilian Journal of Chemical Engineering, 2008, 25, 649-664.	0.7	14
25	An investigation of biphasic growth kinetics for Phanerochaete chrysosporium (BKMF-1767) immobilised in a membrane gradostat reactor using flow-cells. Enzyme and Microbial Technology, 2008, 42, 353-361.	1.6	13
26	Vinegar Engineering: a Bioprocess Perspective. Food Engineering Reviews, 2019, 11, 290-305.	3.1	13
27	Investigation of structural and optical properties of biosynthesized Zincite (ZnO) nanoparticles (NPs) via an aqueous extract of Rosmarinus officinalis (rosemary) leaves. MRS Advances, 2020, 5, 2349-2358.	0.5	13
28	Antibiosis and dark-pigments secretion by the phytopathogenic and environmental fungal species after interaction in vitro with a Bacillus subtilis isolate. Brazilian Archives of Biology and Technology, 2010, 53, 997-1004.	0.5	12
29	Biosynthesis of CuO nanoparticles using Mimosa hamata extracts. Materials Today: Proceedings, 2021, 36, 540-548.	0.9	11
30	Treatment of Poultry Slaughterhouse Wastewater (PSW) Using a Pretreatment Stage, an Expanded Granular Sludge Bed Reactor (EGSB), and a Membrane Bioreactor (MBR). Membranes, 2021, 11, 345.	1.4	11
31	Structural and optical investigations of biosynthesized bunsenite NiO nanoparticles (NPs) via an aqueous extract of Rosmarinus officinalis (rosemary) leaves. Materials Today: Proceedings, 2021, 36, 245-250.	0.9	11
32	Biodegradation of Free Cyanide Using Bacillus Sp. Consortium Dominated by Bacillus Safensis, Lichenformis and Tequilensis Strains: A Bioprocess Supported Solely with Whey. Journal of Bioremediation & Biodegradation, 2014, 05, .	0.5	10
33	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.	0.9	10
34	Kinetic modelling and optimisation of antimicrobial compound production by Candida pyralidae KU736785 for control of Candida guilliermondii. Food Science and Technology International, 2017, 23, 358-370.	1.1	10
35	Microbial communities associated with the co-metabolism of free cyanide and thiocyanate under alkaline conditions. 3 Biotech, 2018, 8, 93.	1.1	10
36	Propensity of Tagetes erecta L., a Medicinal Plant Commonly Used in Diabetes Management, to Accumulate Perfluoroalkyl Substances. Toxics, 2019, 7, 18.	1.6	10

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37	Black Soldier Fly Larval Valorization Benefitting from Ex-Situ Fungal Fermentation in Reducing Coconut Endosperm Waste. Processes, 2021, 9, 275.	1.3	10
38	Performance evaluation of an integrated multi-stage poultry slaughterhouse wastewater treatment system. Journal of Water Process Engineering, 2021, 43, 102309.	2.6	10
39	Performance of a continuously stirred tank bioreactor system connected in series for the biodegradation of thiocyanate and free cyanide. Journal of Environmental Chemical Engineering, 2017, 5, 1936-1945.	3.3	9
40	Application of response surface methodology to optimize the COD removal efficiency of an EGSB reactor treating poultry slaughterhouse wastewater. Water Practice and Technology, 2019, 14, 507-514.	1.0	9
41	Product and Microbial Population Kinetics During Balsamicâ€Styled Vinegar Production. Journal of Food Science, 2019, 84, 572-579.	1.5	9
42	Sustainable Approach to Eradicate the Inhibitory Effect of Free-Cyanide on Simultaneous Nitrification and Aerobic Denitrification during Wastewater Treatment. Sustainability, 2019, 11, 6180.	1.6	9
43	Treatment of poultry slaughterhouse wastewater using a down-flow expanded granular bed reactor. Water Practice and Technology, 2019, 14, 549-559.	1.0	9
44	Seasonal variation of hydrochemical characteristics of open-pit groundwater near a closed metalliferous mine in Oâ€™Kiep, Namaqualand Region, South Africa. Environmental Earth Sciences, 2020, 79, 1.	1.3	9
45	Performance of microbial community dominated by Bacillus spp. in acid mine drainage remediation systems: A focus on the high removal efficiency of SO42-, Al3+, Cd2+, Cu2+, Mn2+, Pb2+, and Sr2+. Heliyon, 2021, 7, e07241.	1.4	9
46	Biodegradation Kinetics of Free Cyanide in Fusarium oxysporum-Beta vulgaris Waste-metal (As, Cu, Fe,) Tj ETQq0 0 0 rgBT /Overlock 10 T	0.5	9
47	Performance of Fusarium oxysporum EKT01/02 isolate in cyanide biodegradation system. Environmental Engineering Research, 2018, 23, 223-227.	1.5	9
48	Heterotrophic nitrification-aerobic denitrification potential of cyanide and thiocyanate degrading microbial communities under cyanogenic conditions. Environmental Engineering Research, 2019, 24, 254-262.	1.5	9
49	Co-metabolism of thiocyanate and free cyanide by Exiguobacterium acetylicum and Bacillus marisflavi under alkaline conditions. 3 Biotech, 2016, 6, 173.	1.1	8
50	The role of pollutants in type 2 diabetes mellitus (T2DM) and their prospective impact on phytomedicinal treatment strategies. Environmental Monitoring and Assessment, 2018, 190, 262.	1.3	8
51	Liminal presence of exo-microbes inoculating coconut endosperm waste to enhance black soldier fly larval protein and lipid. Environmental Science and Pollution Research, 2020, 27, 24574-24581.	2.7	8
52	Antibacterial effect of silver nanoparticles synthesised on a polycarbonate membrane. Materials Today: Proceedings, 2021, 36, 336-342.	0.9	8
53	Overview of parameters influencing biomass and bioreactor performance used for extracellular ligninase production from Phanerochaete chrysosporium. Brazilian Archives of Biology and Technology, 2010, 53, 1057-1066.	0.5	7
54	Kinetic Parameters of Saccharomyces cerevisiae Alcohols Production Using Nepenthes mirabilis Pod Digestive Fluids-Mixed Agro-Waste Hydrolysates. Fermentation, 2019, 5, 10.	1.4	7

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55	Up-flow vs downflow anaerobic digester reactor configurations for treatment of fats-oil-grease laden poultry slaughterhouse wastewater: a review. Water Practice and Technology, 2020, 15, 248-260.	1.0	7
56	Influence of diffuser design on selected operating variables for wastewater flotation systems: a review. Water Practice and Technology, 2021, 16, 1049-1066.	1.0	7
57	Metagenomic data of free cyanide and thiocyanate degrading bacterial communities. Data in Brief, 2017, 13, 738-741.	0.5	6
58	Avoiding the Use of Exhausted Drinking Water Filters: A Filter-Clock Based on Rusting Iron. Water (Switzerland), 2018, 10, 591.	1.2	6
59	Groundwater as an alternative source to irregular surface water in the O'Kiep area, Namaqualand, South Africa. Physics and Chemistry of the Earth, 2019, 114, 102801.	1.2	6
60	Integrated Hydrolysis of Mixed Agro-Waste for a Second Generation Biorefinery Using Nepenthes mirabilis Pod Digestive Fluids. Processes, 2019, 7, 64.	1.3	6
61	Lithium 7 Isotope (⁷Li⁺) Desorption from a Degraded Amberlite IRN 217 Lithiated Mixed-Bed Ion-Exchange Resin. Solvent Extraction and Ion Exchange, 2012, 30, 197-211.	0.8	5
62	Synthesis of metallic nanoparticles from Beta vulgaris using a single-pot green chemistry approach and their environmental engineering application. Nanotechnology for Environmental Engineering, 2016, 1, 1.	2.0	5
63	Are Aquaporins (AQPs) the Gateway that Conduits Nutrients, Persistent Organic Pollutants and Perfluoroalkyl Substances (PFASs) into Plants?. Springer Science Reviews, 2017, 5, 31-48.	1.3	5
64	Aeration, Agitation and Cell Immobilization on Corncobs and Oak Wood Chips Effects on Balsamic-Styled Vinegar Production. Foods, 2019, 8, 303.	1.9	5
65	Prevalence of Dyslipidaemia among Type 2 Diabetes Mellitus Patients in the Western Cape, South Africa. International Journal of Environmental Research and Public Health, 2020, 17, 8735.	1.2	5
66	Comparative analysis of brewing wastewater and lactate as carbon sources for microbial community treating acid mine drainage in anaerobic MBBR systems. Environmental Technology (United Kingdom), 2021, 42, 3955-3962.	1.2	5
67	Industrial dye removal using bio-synthesized Ag-doped ZnO nanoparticles. Environmental Nanotechnology, Monitoring and Management, 2021, 16, 100463.	1.7	5
68	Application of Citrus sinensis Solid Waste as a Pseudo-Catalyst for Free Cyanide Conversion under Alkaline Conditions. BioResources, 2013, 8, .	0.5	5
69	Biofoam formation and defoamation in global wastewater treatment systems. Water Practice and Technology, 2021, 16, 1-18.	1.0	5
70	Bioavailability of High Molecular Weight Polycyclic Aromatic Hydrocarbons Using Renewable Resources. , 0, , .		4
71	Continuous Biotechnological Treatment of Cyanide Contaminated Waters by Using a Cyanide Resistant Species of Aspergillus awamori. , 0, , .		4
72	Biochemical characteristics of a free cyanide and total nitrogen assimilating Fusarium oxysporum EKT01/02 isolate from cyanide contaminated soil. Data in Brief, 2017, 14, 84-87.	0.5	4

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73	Activity Interactions of Crude Biopreservatives against Spoilage Yeast Consortia. Fermentation, 2019, 5, 53.	1.4	4
74	Bio-Kinetics of Simultaneous Nitrification and Aerobic Denitrification (SNaD) by a Cyanide- Degrading Bacterium Under Cyanide-Laden Conditions. Applied Sciences (Switzerland), 2020, 10, 4823.	1.3	4
75	Heterogeneous Fenton Degradation of Patulin in Apple Juice Using Carbon-Encapsulated Nano Zero-Valent Iron (CE-nZVI). Foods, 2020, 9, 674.	1.9	4
76	Lignocellulosic Waste Pretreatment Solely via Biocatalysis as a Partial Simultaneous Lignino-Holocellulolysis Process. Catalysts, 2021, 11, 668.	1.6	4
77	Physiological and Antagonistic Properties of <i>Pichia kluyveri</i> for Curative and Preventive Treatments Against Post-Harvest Fruit Fungi. Polish Journal of Food and Nutrition Sciences, 2021, , 245-253.	0.6	4
78	Limitations of a membrane gradostat bioreactor designed for enzyme production from biofilms of Phanerochaete chrysosporium. Water Science and Technology, 2008, 58, 2259-2270.	1.2	3
79	Process performance determination data in thiocyanate biodegradation systems: Use of sulphate production. Data in Brief, 2018, 17, 275-278.	0.5	3
80	Metagenomic profiling dataset of bacterial communities of a drinking water supply system (DWSS) in the arid Namaqualand region, South Africa: Source (lower Orange River) to point-of-use (O'Kiep). Data in Brief, 2019, 25, 104135.	0.5	3
81	Reusability of Immobilized Cells for Subsequent Balsamic-Styled Vinegar Fermentations. Fermentation, 2020, 6, 103.	1.4	3
82	Analysis of Reference Ranges of Total Serum Protein in Namibia: Clinical Implications. Proteomes, 2020, 8, 7.	1.7	3
83	Thermal valorisation extracts of selected agro-waste for human pathogen antibacterial NiO nanoparticles synthesis. Materials Today: Proceedings, 2021, 36, 559-565.	0.9	3
84	Performance Evaluation of a Biological Pre-Treatment Coupled with the Down-Flow Expanded Granular Bed Reactor (DEGBR) for Treatment of Poultry Slaughterhouse Wastewater. Applied Sciences (Switzerland), 2021, 11, 6536.	1.3	3
85	Assessment of an Integrated and Sustainable Multistage System for the Treatment of Poultry Slaughterhouse Wastewater. Membranes, 2021, 11, 582.	1.4	3
86	Utilization of Beta vulgaris Agrowaste in Biodegradation of Cyanide Contaminated Wastewater. , 2015, , .		2
87	Thermodynamic Data of Fusarium oxysporum Grown on Different Substrates in Gold Mine Wastewater. Data, 2017, 2, 24.	1.2	2
88	Biological stoichiometry and bioenergetics of Fusarium oxysporum EKT01/02 proliferation using different substrates in cyanidation wastewater. Canadian Journal of Chemical Engineering, 2018, 96, 537-544.	0.9	2
89	Optimising Brewery-Wastewater-Supported Acid Mine Drainage Treatment vis-Ã-vis Response Surface Methodology and Artificial Neural Network. Processes, 2020, 8, 1485.	1.3	2
90	Effect of African Catfish Mucilage Concentration on Stability of Nanoemulsion Using D-Optimal Mixture Design. Applied Sciences (Switzerland), 2021, 11, 6672.	1.3	2

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91	Poultry Slaughterhouse Wastewater Remediation Using a Bio-Delipidation Pre-Treatment Unit Coupled with an Expanded Granular Sludge Bed Reactor. Processes, 2021, 9, 1938.	1.3	2
92	Effect of a perfluorocarbonâ€Pluronic F 68â€based emulsion on a Phanerochaete chrysosporium biofilm immobilised in a membrane gradostat bioreactor. Asia-Pacific Journal of Chemical Engineering, 2010, 5, 101-110.	0.8	1
93	Operating conditions for the continuous bioremediation of free cyanide contaminated wastewater using Aspergillus awamori. Water Science and Technology, 2014, 69, 989-993.	1.2	1
94	Performance and Kinetic Analysis of a Static Granular Bed Reactor Treating Poultry Slaughterhouse Wastewater. Lecture Notes in Civil Engineering, 2017, , 225-229.	0.3	1
95	A decadeâ€™s (2014â€“2024) perspective on cassavaâ€™s (Manihot esculenta Crantz) contribution to the global hydrogen cyanide load in the environment. International Journal of Environmental Studies, 2017, 74, 28-41.	0.7	1
96	Bio-synthesis and characterization of nanoscaled CdO using corn husk extract via green nano-chemistry. Materials Today: Proceedings, 2021, 36, 534-539.	0.9	1
97	Biological Stoichiometric Analysis during Substrate Utilization and Secondary Metabolite Production by Non-Saccharomyces Yeasts Using Grape Pomace Extract as Fermentation Medium. Fermentation, 2021, 7, 89.	1.4	1
98	Isolation of an Endophytic Cyanide resistant fungus Cunninghamella bertholletiae from (Manihot) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50		0
99	Diversity and Performance of Sulphate-Reducing Bacteria in Acid Mine Drainage Remediation Systems. Advances in Science, Technology and Innovation, 2020, , 121-123.	0.2	0
100	Performance comparison of three high rate anaerobic bioreactors for poultry slaughterhouse wastewater treatment. International Journal of Environmental Science and Technology, 0, , 1.	1.8	0
101	Predictive capability of response surface methodology and cybernetic models for cyanogenic simultaneous nitrification and aerobic denitrification facilitated by cyanide-resistant bacteria. Environmental Engineering Research, 2021, 26, 200346-0.	1.5	0
102	Modelling Nanoparticles Parameters for Antimicrobial Activity. , 2020, , 83-99.		0
103	Cunninghamella bertholletiaeâ€™s Toxins from Decomposing Cassava: Mitigation Strategy for Toxin Reduction Using Nepenthes mirabilis â€˜Monkey Cupâ€™ Digestive Fluids. , 0, , .		0
104	Medicinal Plants Threatened by Undocumented Emerging Pollutants: The Sub-Saharan African Viewpoint. , 0, , .		0