

# Taurai Mutanda

## List of Publications by Year in descending order

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25  
papers

3,007  
citations

623188

14  
h-index

610482

24  
g-index

25  
all docs

25  
docs citations

25  
times ranked

3874  
citing authors

#	ARTICLE	IF	CITATIONS
1	Oligosaccharides production from coprophilous fungi: An emerging functional food with potential health-promoting properties. <i>Biotechnology Reports (Amsterdam, Netherlands)</i> , 2022, 33, e00702.	2.1	12
2	Cyanobacterial metabolites as promising drug leads against the M <sup>pro</sup> and PL <sup>pro</sup> of SARS-CoV-2: an <i>in silico</i> analysis. <i>Journal of Biomolecular Structure and Dynamics</i> , 2021, 39, 6218-6230.	2.0	35
3	Nutrient Removal from Dairy and Poultry Wastewater with Simultaneous Biomass and Biodiesel Production by <i>Chlorella</i> sp. T4 Isolated from a Freshwater Stream in South Africa. <i>Waste and Biomass Valorization</i> , 2021, 12, 6931-6943.	1.8	12
4	Structural Insight into the Binding of Cyanovirin-N with the Spike Glycoprotein, M <sup>pro</sup> and PL <sup>pro</sup> of SARS-CoV-2: Protein-Protein Interactions, Dynamics Simulations and Free Energy Calculations. <i>Molecules</i> , 2021, 26, 5114.	1.7	11
5	Fructosyltransferase and inulinase production by indigenous coprophilous fungi for the biocatalytic conversion of sucrose and inulin into oligosaccharides. <i>Biocatalysis and Agricultural Biotechnology</i> , 2020, 30, 101867.	1.5	4
6	Fructooligosaccharides synthesized by fructosyltransferase from an indigenous coprophilous <i>Aspergillus niger</i> strain XOBP48 exhibits antioxidant activity. <i>Bioactive Carbohydrates and Dietary Fibre</i> , 2020, 24, 100238.	1.5	3
7	Monitoring the acclimatization of a <i>Chlorella</i> sp. From freshwater to hypersalinity using photosynthetic parameters of pulse amplitude modulated fluorometry. <i>Bioresource Technology</i> , 2020, 309, 123380.	4.8	6
8	Purification and biochemical characterization of an extracellular fructosyltransferase enzyme from <i>Aspergillus niger</i> sp. XOBP48: implication in fructooligosaccharide production. <i>3 Biotech</i> , 2020, 10, 459.	1.1	9
9	Photosystem I fluorescence as a physiological indicator of hydrogen production in <i>Chlamydomonas reinhardtii</i> . <i>Bioresource Technology</i> , 2019, 273, 313-319.	4.8	12
10	Evaluation of Pre-Chlorinated Wastewater Effluent for Microalgal Cultivation and Biodiesel Production. <i>Water (Switzerland)</i> , 2018, 10, 977.	1.2	15
11	Potential biotechnological application of microalgae: a critical review. <i>Critical Reviews in Biotechnology</i> , 2017, 37, 37-52.	5.1	125
12	Isolation, Identification and High-Throughput Screening of Neutral Lipid Producing Indigenous Microalgae from South African Aquatic Habitats. <i>Applied Biochemistry and Biotechnology</i> , 2017, 182, 382-399.	1.4	26
13	Perspectives on the probiotic potential of lactic acid bacteria from African traditional fermented foods and beverages. <i>Food and Nutrition Research</i> , 2016, 60, 29630.	1.2	143
14	Thermal Behavior and Pyrolytic Characteristics of Freshwater <i>Scenedesmus</i> sp. <i>Biomass. Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2015, 37, 1383-1391.	1.2	11
15	Biocatalytic conversion of inulin and sucrose into short chain oligosaccharides for potential pharmaceutical applications. <i>African Journal of Science, Technology, Innovation and Development</i> , 2015, 7, 371-380.	0.8	5
16	Advances in synthesis of biodiesel via enzyme catalysis: Novel and sustainable approaches. <i>Renewable and Sustainable Energy Reviews</i> , 2015, 41, 1447-1464.	8.2	236
17	Microbial enzymatic production and applications of short-chain fructooligosaccharides and inulooligosaccharides: recent advances and current perspectives. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2014, 41, 893-906.	1.4	86
18	Biodiesel from microalgae: A critical evaluation from laboratory to large scale production. <i>Applied Energy</i> , 2013, 103, 444-467.	5.1	786

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19	Enumeration of Microalgal Cells. , 2013, , 45-50.		1
20	Dual role of microalgae: Phycoremediation of domestic wastewater and biomass production for sustainable biofuels production. Applied Energy, 2011, 88, 3411-3424.	5.1	915
21	The Utilization of Post-chlorinated Municipal Domestic Wastewater for Biomass and Lipid Production by Chlorella spp. Under Batch Conditions. Applied Biochemistry and Biotechnology, 2011, 164, 1126-1138.	1.4	44
22	Bioprospecting for hyper-lipid producing microalgal strains for sustainable biofuel production. Bioresource Technology, 2011, 102, 57-70.	4.8	381
23	Controlled Production of Fructose by an Exoinulinase from Aspergillus Ficum. Applied Biochemistry and Biotechnology, 2009, 159, 65-77.	1.4	25
24	Response surface methodology: Synthesis of short chain fructooligosaccharides with a fructosyltransferase from Aspergillus aculeatus. Bioresource Technology, 2009, 100, 2040-2045.	4.8	59
25	Response surface methodology: Synthesis of inulooligosaccharides with an endoinulinase from Aspergillus niger. Enzyme and Microbial Technology, 2008, 43, 362-368.	1.6	45