

Memory Tekere

List of Publications by Year in descending order

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Version: 2024-02-01

75
papers

2,060
citations

331670

21
h-index

276875

41
g-index

80
all docs

80
docs citations

80
times ranked

2781
citing authors

#	ARTICLE	IF	CITATIONS
1	A genomic catalog of Earth's microbiomes. <i>Nature Biotechnology</i> , 2021, 39, 499-509.	17.5	457
2	Biotechnological strategies to overcome inhibitors in lignocellulose hydrolysates for ethanol production: review. <i>Critical Reviews in Biotechnology</i> , 2011, 31, 20-31.	9.0	359
3	Growth, dye degradation and ligninolytic activity studies on Zimbabwean white rot fungi. <i>Enzyme and Microbial Technology</i> , 2001, 28, 420-426.	3.2	106
4	Comparisons of the composition and biogeographic distribution of the bacterial communities occupying South African thermal springs with those inhabiting deep subsurface fracture water. <i>Frontiers in Microbiology</i> , 2014, 5, 679.	3.5	72
5	Screening and Evaluation of Some Green Algal Strains (Chlorophyceae) Isolated from Freshwater and Soda Lakes for Biofuel Production. <i>Energies</i> , 2015, 8, 7502-7521.	3.1	67
6	Potential microbial applications of co-cultures involving ligninolytic fungi in the bioremediation of recalcitrant xenobiotic compounds. <i>International Journal of Environmental Science and Technology</i> , 2017, 14, 1787-1806.	3.5	59
7	Ligninolytic enzyme production in selected sub-tropical white rot fungi under different culture conditions. <i>Journal of Basic Microbiology</i> , 2001, 41, 115-129.	3.3	54
8	Evaluation of Heavy Metal Removal from Wastewater in a Modified Packed Bed Biofilm Reactor. <i>PLoS ONE</i> , 2016, 11, e0155462.	2.5	50
9	Occurrence of aflatoxin contamination in maize throughout the supply chain in the Democratic Republic of Congo. <i>Food Control</i> , 2016, 69, 292-296.	5.5	48
10	Advocating circular economy in wastewater treatment: Struvite formation and drinking water reclamation from real municipal effluents. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 103957.	6.7	46
11	Diversity Analysis and Bioresource Characterization of Halophilic Bacteria Isolated from a South African Saltpan. <i>Molecules</i> , 2017, 22, 657.	3.8	42
12	Polycyclic aromatic hydrocarbon biodegradation in extracellular fluids and static batch cultures of selected sub-tropical white rot fungi. <i>Journal of Biotechnology</i> , 2005, 115, 367-377.	3.8	39
13	Microbiology of municipal solid waste landfills: a review of microbial dynamics and ecological influences in waste bioprocessing. <i>Biodegradation</i> , 2020, 31, 1-21.	3.0	38
14	Urban effluent discharges as causes of public and environmental health concerns in South Africa's aquatic milieu. <i>Environmental Science and Pollution Research</i> , 2015, 22, 18301-18317.	5.3	37
15	Biodegradation of the Organochlorine Pesticide, Lindane by a Sub-Tropical White Rot Fungus in Batch and Packed Bed Bioreactor Systems. <i>Environmental Technology (United Kingdom)</i> , 2002, 23, 199-206.	2.2	34
16	Reclamation of water and the synthesis of gypsum and limestone from acid mine drainage treatment process using a combination of pre-treated magnesite nanosheets, lime, and CO ₂ bubbling. <i>Water Resources and Industry</i> , 2018, 20, 1-14.	3.9	32
17	Insights Into the Prevalence and Impacts of Phthalate Esters in Aquatic Ecosystems. <i>Frontiers in Environmental Science</i> , 2021, 9, .	3.3	31
18	Microbial Bioremediation and Different Bioreactors Designs Applied. , 0, , .		28

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19	Metagenomic analysis of bacterial diversity of Siloam hot water spring, Limpopo, South Africa. African Journal of Biotechnology, 2011, 10, .	0.6	25
20	Nonlinear Vibrational Analysis of Nanobeams Embedded in an Elastic Medium including Surface Stress Effects. Advances in Materials Science and Engineering, 2015, 2015, 1-7.	1.8	23
21	Thermophilic bacterial communities inhabiting the microbial mats of "indifferent" and chalybeate (iron-rich) thermal springs: Diversity and biotechnological analysis. MicrobiologyOpen, 2018, 7, e00560.	3.0	23
22	An assessment of the physicochemical properties and toxicity potential of carwash effluents from professional carwash outlets in Gauteng Province, South Africa. Environmental Science and Pollution Research, 2016, 23, 11876-11884.	5.3	21
23	Fungal and metabolome diversity of the rhizosphere and endosphere of Phragmites australis in an AMD-polluted environment. Heliyon, 2021, 7, e06399.	3.2	21
24	Synthetic extreme environments: overlooked sources of potential biotechnologically relevant microorganisms. Microbial Biotechnology, 2017, 10, 570-585.	4.2	20
25	Impacts of cerium oxide nanoparticles on bacterial community in activated sludge. AMB Express, 2017, 7, 63.	3.0	20
26	Pathogen infection influences a distinct microbial community composition in sorghum RILs. Plant and Soil, 2021, 463, 555-572.	3.7	18
27	Effective treatment of acid mine drainage using a combination of MgO-nanoparticles and a series of constructed wetlands planted with Vetiveria zizanioides: A hybrid and stepwise approach. Journal of Environmental Management, 2022, 310, 114751.	7.8	18
28	Local Geomorphological Gradients and Land Use Patterns Play Key Role on the Soil Bacterial Community Diversity and Dynamics in the Highly Endemic Indigenous Afrotemperate Coastal Scarp Forest Biome. Frontiers in Microbiology, 2021, 12, 592725.	3.5	16
29	Community diversity metrics, interactions, and metabolic functions of bacteria associated with municipal solid waste landfills at different maturation stages. MicrobiologyOpen, 2021, 10, e1118.	3.0	14
30	Determination of the Efficacy of Eggshell as a Low-Cost Adsorbent for the Treatment of Metal Laden Effluents. International Journal of Environmental Research, 2017, 11, 175-188.	2.3	13
31	Enhanced microbial hydrocarbon biodegradation as stimulated during field-scale landfarming of crude oil-impacted soil. Sustainable Chemistry and Pharmacy, 2019, 14, 100177.	3.3	13
32	Cradle to cradle solution to problematic waste materials from mine and coal power station: Acid mine drainage, coal fly ash and carbon dioxide. Journal of Water Process Engineering, 2019, 30, 100474.	5.6	13
33	Facile synthesis of halloysite-bentonite clay/magnesite nanocomposite and its application for the removal of chromium ions: Adsorption and precipitation process. Materials Today: Proceedings, 2021, 38, 1088-1101.	1.8	13
34	Prevalence and public health implications of mycotoxigenic fungi in treated drinking water systems. Journal of Water and Health, 2019, 17, 517-531.	2.6	12
35	Distribution and comparison of bacterial communities in HVAC systems of two university buildings: Implications for indoor air quality and public health. Environmental Monitoring and Assessment, 2021, 193, 47.	2.7	11
36	Correlations Between Root Metabolomics and Bacterial Community Structures in the Phragmites australis Under Acid Mine Drainage-Polluted Wetland Ecosystem. Current Microbiology, 2022, 79, 34.	2.2	10

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37	Polycyclic Aromatic Hydrocarbon Biodegradation by a Subtropical White Rot Fungus in Packed Bed and Suspended Carrier Bioreactor Systems. <i>Environmental Technology (United Kingdom)</i> , 2007, 28, 683-691.	2.2	9
38	Potential biotechnological capabilities of cultivable mycobiota from carwash effluents. <i>MicrobiologyOpen</i> , 2017, 6, e00498.	3.0	9
39	The potential of fungal co-cultures as biological inducers for increased ligninolytic enzymes on agricultural residues. <i>International Journal of Environmental Science and Technology</i> , 2019, 16, 305-324.	3.5	9
40	The Treatment of Acid Mine Drainage Using Vertically Flowing Wetland: Insights into the Fate of Chemical Species. <i>Minerals (Basel, Switzerland)</i> , 2021, 11, 477.	2.0	9
41	Microbial communities in field-scale oil-polluted soil remediation using 16S rRNA amplicon sequencing. <i>International Journal of Environmental Studies</i> , 2021, 78, 410-426.	1.6	8
42	Integrative Genomic Analysis for the Discovery of Biomarkers in Prostate Cancer. <i>Biomarker Insights</i> , 2014, 9, BMI.S13729.	2.5	7
43	Microbial profiling of South African acid mine water samples using next generation sequencing platform. <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 6069-6079.	3.6	7
44	The Ecological Integrity of Spring Ecosystems: A Global Review. , 2022, , 436-451.		7
45	Toxicity evaluation of TiO ₂ /MWCNT-CNF hybrid nanocomposites with enhanced photocatalytic activity toward freshwater microalgae: <i>Pseudokirchneriella subcapitata</i> . <i>Chemosphere</i> , 2022, 291, 132891.	8.2	7
46	Occurrence and diversity of waterborne fungi and associated mycotoxins in treated drinking water distribution system in South Africa: implications on water quality and public health. <i>Environmental Monitoring and Assessment</i> , 2020, 192, 519.	2.7	6
47	Advanced application of BOF and SAF slags for the treatment of acid mine drainage (AMD): A comparative study. <i>Materials Today: Proceedings</i> , 2021, 38, 934-941.	1.8	6
48	Cultivable bacterial diversity, physicochemical profiles, and toxicity determination of car wash effluents. <i>Environmental Monitoring and Assessment</i> , 2019, 191, 478.	2.7	5
49	Targeted 16S rRNA amplicon analysis reveals the diversity of bacterial communities in carwash effluents. <i>International Microbiology</i> , 2019, 22, 181-189.	2.4	5
50	Exploration of the environmental and socioeconomic implications of HCFC-22 phase-out for Botswana. <i>Advances in Climate Change Research</i> , 2021, 12, 108-118.	5.1	5
51	Biological Strategies for Heavy Metal Remediation. <i>Environmental Chemistry for A Sustainable World</i> , 2020, , 393-413.	0.5	5
52	An evaluation of the bacterial diversity at Tshipise, Mphephu and Sagole hot water springs, Limpopo Province, South Africa. <i>African Journal of Microbiology Research</i> , 2012, 6, .	0.4	4
53	Assessing the Potential of Some Freshwater and Saline Microalgae as Biodiesel Feedstock. <i>Journal of Biobased Materials and Bioenergy</i> , 2016, 10, 50-62.	0.3	4
54	Comparing Bacterial Diversity in Two Full-Scale Enhanced Biological Phosphate Removal Reactors Using 16S Amplicon Pyrosequencing. <i>Polish Journal of Environmental Studies</i> , 2018, 27, 709-745.	1.2	4

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55	A survey of the knowledge, use, and adoption of emerging technologies by academics in an Open Distance Learning environment. The Journal for Transdisciplinary Research in Southern Africa, 2014, 10, .	0.5	4
56	Evaluation of the Digestibility of Attached and Suspended Growth Sludge in an Aerobic Digester for a Small Community. Water (Switzerland), 2018, 10, 161.	2.7	3
57	Influences of geochemical factors and substrate availability on Gram-positive and Gram-negative bacterial distribution and bio-processes in ageing municipal landfills. International Microbiology, 2021, 24, 311-324.	2.4	3
58	Trends and Applications of Omics Technologies to Functional Characterisation of Enzymes and Protein Metabolites Produced by Fungi. Journal of Fungi (Basel, Switzerland), 2021, 7, 700.	3.5	3
59	Anthropogenic pollution influences on the physical and chemical quality of water and sediments of the umdloti river system, Kwazulu-Natal. Physics and Chemistry of the Earth, 2021, 123, 103030.	2.9	3
60	Sources of Heavy Metals Pollution. Environmental Chemistry for A Sustainable World, 2021, , 419-454.	0.5	3
61	Toxicity assessment of TiO ₂ -conjugated Carbon-based nanohybrid material on a freshwater bioindicator cladoceran, <i>Daphnia magna</i> . Aquatic Toxicology, 2022, 247, 106176.	4.0	3
62	The phylogenetic position of <i>Culbersonia</i> is in the <i>Caliciaceae</i> (lichenized ascomycetes). Lichenologist, 2019, 51, 187-191.	0.8	2
63	Phytoremediation of soils contaminated by lead and cadmium in Ethiopia, using <i>Endod</i> (<i>Phytolacca</i>) Tj ETQq1 1 0,784314,2rgBT /Ov	3.1	2
64	An Evaluation of the Cumulative Surface Water Pollution on Selected Areas within the Consolidated Main Reef Area, Roodepoort, South Africa. Air, Soil and Water Research, 2013, 6, ASWR.S12997.	2.5	1
65	Co-products in maize-soybean growing-pig diets altered <i>in vitro</i> enzymatic insoluble fibre hydrolysis and fermentation in relation to botanical origin. South African Journal of Animal Sciences, 2019, 49, 201.	0.5	1
66	Whole genome sequence of <i>Serratia marcescens</i> 39_H1, a potential hydrolytic and acidogenic strain. Biotechnology Reports (Amsterdam, Netherlands), 2020, 28, e00542.	4.4	1
67	Biosurfactant application and bioaugmentation for effective bioremediation of contaminated environment. , 2021, , 323-339.		1
68	Epiphytic Lichen Diversity on Jacaranda and Acacia Trees in Pretoria (Tshwane, Republic of South) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 2	0.4	1
69	An evaluation of organopollutant biodegradation by some selected white rot fungi: an overview. , 2010, , .		1
70	Acid Mine Drainage Bio-Remediation and Techniques. , 2016, , 278-319.		1
71	Mechanisms and Approaches for the Removal of Heavy Metals from Acid Mine Drainage and Other Industrial Effluents. Environmental Chemistry for A Sustainable World, 2021, , 513-537.	0.5	1
72	Evaluating the efficacy of thermo-mechano-activated cryptocrystalline magnesite nanosheets for the removal of chromium ions from wastewater. Materials Today: Proceedings, 2021, 38, 1006-1017.	1.8	0

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73	Shifts in Bacterial Diversity During the Spontaneous Fermentation of Maize Meal as Revealed by Targeted Amplicon Sequencing. <i>Current Microbiology</i> , 2021, 78, 1177-1187.	2.2	0
74	Awareness and product knowledge of service stakeholders involved in the importation and distribution of HCFC-22 in Botswana. <i>Environmental Research Communications</i> , 0, , .	2.3	0
75	Performance of Activated Mgo Nanopowder on the Treatment of Real Tannery Wastewater: Complementing Experimental Results with a Geochemical Model. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0