Memory Tekere

List of Publications by Year
in descending order

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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	The Ecological Integrity of Spring Ecosystems: A Global Review. , 2022, , 436-451.		7
2	Toxicity evaluation of TiO2/MWCNT-CNF hybrid nanocomposites with enhanced photocatalytic activity toward freshwater microalgae: Pseudokirchneriella subcapitata. Chemosphere, 2022, 291, 132891.	8.2	7
3	Phytoremediation of soils contaminated by lead and cadmium in Ethiopia, using Endod (<i>Phytolacca) Tj ETQq1 1 0.784314 rgBT /Ov	3.1	2
4	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
5	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
6	Toxicity assessment of TiO2-conjugated Carbon-based nanohybrid material on a freshwater bioindicator cladoceran, Daphnia magna. Aquatic Toxicology, 2022, 247, 106176.	4.0	3
7	Advanced application of BOF and SAF slags for the treatment of acid mine drainage (AMD): A comparative study. Materials Today: Proceedings, 2021, 38, 934-941.	1.8	6
8	A genomic catalog of Earthâ€™s microbiomes. Nature Biotechnology, 2021, 39, 499-509.	17.5	457
9	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
10	Microbial communities in field-scale oil-polluted soil remediation using 16S rRNA amplicon sequencing. International Journal of Environmental Studies, 2021, 78, 410-426.	1.6	8
11	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
12	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
13	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
14	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
15	Shifts in Bacterial Diversity During the Spontaneous Fermentation of Maize Meal as Revealed by Targeted Amplicon Sequencing. Current Microbiology, 2021, 78, 1177-1187.	2.2	0
16	Exploration of the environmental and socioeconomic implications of HCFC-22 phase-out for Botswana. Advances in Climate Change Research, 2021, 12, 108-118.	5.1	5
17	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
18	Fungal and metabolome diversity of the rhizosphere and endosphere of Phragmites australis in an AMD-polluted environment. Heliyon, 2021, 7, e06399.	3.2	21

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19	The Treatment of Acid Mine Drainage Using Vertically Flowing Wetland: Insights into the Fate of Chemical Species. Minerals (Basel, Switzerland), 2021, 11, 477.	2.0	9
20	Pathogen infection influences a distinct microbial community composition in sorghum RILs. Plant and Soil, 2021, 463, 555-572.	3.7	18
21	Insights Into the Prevalence and Impacts of Phthalate Esters in Aquatic Ecosystems. Frontiers in Environmental Science, 2021, 9, .	3.3	31
22	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
23	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
24	Biosurfactant application and bioaugmentation for effective bioremediation of contaminated environment. , 2021, , 323-339.		1
25	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
26	Sources of Heavy Metals Pollution. Environmental Chemistry for A Sustainable World, 2021, , 419-454.	0.5	3
27	Microbiology of municipal solid waste landfills: a review of microbial dynamics and ecological influences in waste bioprocessing. Biodegradation, 2020, 31, 1-21.	3.0	38
28	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. Environmental Monitoring and Assessment, 2020, 192, 519.	2.7	6
29	Whole genome sequence of Serratia marcescens 39_H1, a potential hydrolytic and acidogenic strain. Biotechnology Reports (Amsterdam, Netherlands), 2020, 28, e00542.	4.4	1
30	Advocating circular economy in wastewater treatment: Struvite formation and drinking water reclamation from real municipal effluents. Journal of Environmental Chemical Engineering, 2020, 8, 103957.	6.7	46
31	Biological Strategies for Heavy Metal Remediation. Environmental Chemistry for A Sustainable World, 2020, , 393-413.	0.5	5
32	The potential of fungal co-cultures as biological inducers for increased ligninolytic enzymes on agricultural residues. International Journal of Environmental Science and Technology, 2019, 16, 305-324.	3.5	9
33	Cultivable bacterial diversity, physicochemical profiles, and toxicity determination of car wash effluents. Environmental Monitoring and Assessment, 2019, 191, 478.	2.7	5
34	Co-products in maize-soybean growing-pig diets altered in vitro enzymatic insoluble fibre hydrolysis and fermentation in relation to botanical origin. South African Journal of Animal Sciences, 2019, 49, 201.	0.5	1
35	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
36	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

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37	The phylogenetic position of Culbersonia is in the Caliciaceae (lichenized ascomycetes). Lichenologist, 2019, 51, 187-191.	0.8	2
38	Targeted 16S rRNA amplicon analysis reveals the diversity of bacterial communities in carwash effluents. International Microbiology, 2019, 22, 181-189.	2.4	5
39	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
40	Thermophilic bacterial communities inhabiting the microbial mats of â€œindifferentâ€•and chalybeate (ironâ€rich) thermal springs: Diversity and biotechnological analysis. MicrobiologyOpen, 2018, 7, e00560.	3.0	23
41	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 CO2 bubbling. Water Resources and Industry, 2018, 20, 1-14.	3.9	32
42	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
43	Epiphytic Lichen Diversity on Jacaranda and Acacia Trees in Pretoria (Tshwane, Republic of South) Tj ETQq1 1 0.784314 rgBT /Overloc	0.4	1
44	Comparing Bacterial Diversity in Two Full-Scale Enhanced Biological Phosphate Removal Reactors Using 16S Amplicon Pyrosequencing. Polish Journal of Environmental Studies, 2018, 27, 709-745.	1.2	4
45	Potential microbial applications of co-cultures involving ligninolytic fungi in the bioremediation of recalcitrant xenobiotic compounds. International Journal of Environmental Science and Technology, 2017, 14, 1787-1806.	3.5	59
46	Synthetic extreme environments: overlooked sources of potential biotechnologically relevant microorganisms. Microbial Biotechnology, 2017, 10, 570-585.	4.2	20
47	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
48	Impacts of cerium oxide nanoparticles on bacterial community in activated sludge. AMB Express, 2017, 7, 63.	3.0	20
49	Potential biotechnological capabilities of cultivable mycobiota from carwash effluents. MicrobiologyOpen, 2017, 6, e00498.	3.0	9
50	Diversity Analysis and Bioresource Characterization of Halophilic Bacteria Isolated from a South African Saltpan. Molecules, 2017, 22, 657.	3.8	42
51	Evaluation of Heavy Metal Removal from Wastewater in a Modified Packed Bed Biofilm Reactor. PLoS ONE, 2016, 11, e0155462.	2.5	50
52	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
53	Occurrence of aflatoxin contamination in maize throughout the supply chain in the Democratic Republic of Congo. Food Control, 2016, 69, 292-296.	5.5	48
54	Microbial profiling of South African acid mine water samples using next generation sequencing platform. Applied Microbiology and Biotechnology, 2016, 100, 6069-6079.	3.6	7

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55	Assessing the Potential of Some Freshwater and Saline Microalgae as Biodiesel Feedstock. Journal of Biobased Materials and Bioenergy, 2016, 10, 50-62.	0.3	4
56	Acid Mine Drainage Bio-Remediation and Techniques. , 2016, , 278-319.		1
57	Screening and Evaluation of Some Green Algal Strains (Chlorophyceae) Isolated from Freshwater and Soda Lakes for Biofuel Production. Energies, 2015, 8, 7502-7521.	3.1	67
58	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
59	Urban effluent discharges as causes of public and environmental health concerns in South Africaâ€™s aquatic milieu. Environmental Science and Pollution Research, 2015, 22, 18301-18317.	5.3	37
60	Comparisons of the composition and biogeographic distribution of the bacterial communities occupying South African thermal springs with those inhabiting deep subsurface fracture water. Frontiers in Microbiology, 2014, 5, 679.	3.5	72
61	Integrative Genomic Analysis for the Discovery of Biomarkers in Prostate Cancer. Biomarker Insights, 2014, 9, BMI.S13729.	2.5	7
62	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
63	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
64	An evaluation of the bacterial diversity at Tshipise, Mphephu and Sagole hot water springs, Limpopo Province, South Africa. African Journal of Microbiology Research, 2012, 6, .	0.4	4
65	Biotechnological strategies to overcome inhibitors in lignocellulose hydrolysates for ethanol production: review. Critical Reviews in Biotechnology, 2011, 31, 20-31.	9.0	359
66	Metagenomic analysis of bacterial diversity of Siloam hot water spring, Limpopo, South Africa. African Journal of Biotechnology, 2011, 10, .	0.6	25
67	An evaluation of organopollutant biodegradation by some selected white rot fungi: an overview. , 2010, , .		1
68	Polycyclic Aromatic Hydrocarbon Biodegradation by a Subtropical White Rot Fungus in Packed Bed and Suspended Carrier Bioreactor Systems. Environmental Technology (United Kingdom), 2007, 28, 683-691.	2.2	9
69	Polycyclic aromatic hydrocarbon biodegradation in extracellular fluids and static batch cultures of selected sub-tropical white rot fungi. Journal of Biotechnology, 2005, 115, 367-377.	3.8	39
70	Biodegradation of the Organochlorine Pesticide, Lindane by a Sub-Tropical White Rot Fungus in Batch and Packed Bed Bioreactor Systems. Environmental Technology (United Kingdom), 2002, 23, 199-206.	2.2	34
71	Growth, dye degradation and ligninolytic activity studies on Zimbabwean white rot fungi. Enzyme and Microbial Technology, 2001, 28, 420-426.	3.2	106
72	Ligninolytic enzyme production in selected sub-tropical white rot fungi under different culture conditions. Journal of Basic Microbiology, 2001, 41, 115-129.	3.3	54

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73	Microbial Bioremediation and Different Bioreactors Designs Applied. , 0, , .		28
74	Awareness and product knowledge of service stakeholders involved in the importation and distribution of HCFC-22 in Botswana. Environmental Research Communications, 0, , .	2.3	0
75	Performance of Activated Mgo Nanopowder on the Treatment of Real Tannery Wastewater: Complementing Experimental Results with a Geochemical Model. SSRN Electronic Journal, 0, , .	0.4	0