

Titus A M Msagati

List of Publications by Citations

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209 papers	3,390 citations	26 h-index	49 g-index
227 ext. papers	4,211 ext. citations	4 avg, IF	6.18 L-index

#	Paper	IF	Citations
209	Acid mine drainage: Prevention, treatment options, and resource recovery: A review. <i>Journal of Cleaner Production</i> , 2017 , 151, 475-493	10.3	337
208	Ferrite nanoparticles: Synthesis, characterisation and applications in electronic device. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2017 , 215, 37-55	3.1	268
207	Application of spinel ferrite nanoparticles in water and wastewater treatment: A review. <i>Separation and Purification Technology</i> , 2017 , 188, 399-422	8.3	239
206	Multiresidue determination of sulfonamides in a variety of biological matrices by supported liquid membrane with high pressure liquid chromatography-electrospray mass spectrometry detection. <i>Talanta</i> , 2004 , 64, 87-100	6.2	94
205	Evaluation of methods for the isolation, detection and quantification of cyanobacterial hepatotoxins. <i>Aquatic Toxicology</i> , 2006 , 78, 382-97	5.1	83
204	Determination and Distribution of Polycyclic Aromatic Hydrocarbons in Rivers, Sediments and Wastewater Effluents in Vhembe District, South Africa. <i>International Journal of Environmental Research and Public Health</i> , 2016 , 13, 387	4.6	79
203	Voltammetric detection of sulfonamides at a poly(3-methylthiophene) electrode. <i>Talanta</i> , 2002 , 58, 605-610	4.0	78
202	Spinel ferrite nanoparticles and nanocomposites for biomedical applications and their toxicity. <i>Materials Science and Engineering C</i> , 2020 , 107, 110314	8.3	75
201	Assessment of Trace Metals Contamination of Surface Water and Sediment: A Case Study of Mvudi River, South Africa. <i>Sustainability</i> , 2016 , 8, 135	3.6	57
200	Ion-imprinted polymers for environmental monitoring of inorganic pollutants: synthesis, characterization, and applications. <i>Environmental Science and Pollution Research</i> , 2013 , 20, 790-802	5.1	52
199	Synthesis and characterization of magnetic nanoparticles and study their removal capacity of metals from acid mine drainage. <i>Chemical Engineering Journal</i> , 2015 , 276, 222-231	14.7	51
198	Synthesis and application of hematite nanoparticles for acid mine drainage treatment. <i>Journal of Environmental Chemical Engineering</i> , 2018 , 6, 1865-1874	6.8	43
197	Occurrence of Emerging Micropollutants in Water Systems in Gauteng, Mpumalanga, and North West Provinces, South Africa. <i>International Journal of Environmental Research and Public Health</i> , 2017 , 14,	4.6	43
196	Preparation, characterization, and application of polypropylene-clinoptilolite composites for the selective adsorption of lead from aqueous media. <i>Journal of Colloid and Interface Science</i> , 2011 , 359, 210-9	9.3	42
195	Diversity, Co-occurrence and Implications of Fungal Communities in Wastewater Treatment Plants. <i>Scientific Reports</i> , 2019 , 9, 14056	4.9	39
194	A Novel Approach for the Removal of Lead(II) Ion from Wastewater Using Mucilaginous Leaves of <i>Diceriocaryum eriocarpum</i> Plant. <i>Sustainability</i> , 2015 , 7, 14026-14041	3.6	39
193	Comparative study of sample preparation methods; supported liquid membrane and solid phase extraction in the determination of benzimidazole anthelmintics in biological matrices by liquid chromatography-electrospray-mass spectrometry. <i>Talanta</i> , 2006 , 69, 243-50	6.2	38

192	Critical parameters in a supported liquid membrane extraction technique for ionizable organic compounds with a stagnant acceptor phase. <i>Journal of Chromatography A</i> , 2010 , 1217, 2318-25	4.5	36
191	Determination of β -lactam residues in foodstuffs of animal origin using supported liquid membrane extraction and liquid chromatography-mass spectrometry. <i>Food Chemistry</i> , 2007 , 100, 836-844	8.5	34
190	Chemometric optimization of hollow fiber-liquid phase microextraction for preconcentration of trace elements in diesel and gasoline prior to their ICP-OES determination. <i>Microchemical Journal</i> , 2014 , 114, 141-147	4.8	32
189	Low-cost fluoride adsorbents prepared from a renewable biowaste: Syntheses, characterization and modeling studies. <i>Arabian Journal of Chemistry</i> , 2019 , 12, 3004-3017	5.9	32
188	Preconcentration of molybdenum, antimony and vanadium in gasoline samples using Dowex 1-x8 resin and their determination with inductively coupled plasma-optical emission spectrometry. <i>Talanta</i> , 2013 , 110, 153-9	6.2	31
187	Synthesis and characterization of molecularly imprinted polymers for the remediation of PCBs and dioxins in aqueous environments. <i>Journal of Environmental Health Science & Engineering</i> , 2014 , 12, 82	2.9	29
186	Determination of benzimidazole anthelmintic compounds by supported liquid membrane extraction and liquid chromatography. <i>Journal of Separation Science</i> , 2001 , 24, 606-614	3.4	28
185	Defunct gold mine tailings are natural reservoir for unique bacterial communities revealed by high-throughput sequencing analysis. <i>Science of the Total Environment</i> , 2019 , 650, 2199-2209	10.2	28
184	Magnetite and cobalt ferrite nanoparticles used as seeds for acid mine drainage treatment. <i>Journal of Hazardous Materials</i> , 2017 , 333, 308-318	12.8	26
183	Synthesis and characterization of ion imprinted polymeric adsorbents for the selective recognition and removal of arsenic and selenium in wastewater samples. <i>Journal of Saudi Chemical Society</i> , 2016 , 20, 594-605	4.3	26
182	Multi-Mycotoxin Occurrence in Dairy Cattle Feeds from the Gauteng Province of South Africa: A Pilot Study Using UHPLC-QTOF-MS/MS. <i>Toxins</i> , 2018 , 10,	4.9	26
181	Performance efficiency of electro-coagulation coupled electro-flotation process (EC-EF) versus adsorption process in doxycycline removal from aqueous solutions. <i>Chemical Engineering Research and Design</i> , 2016 , 102, 450-461	5.5	26
180	Quantitative variations of intracellular microcystin-LR, -RR and -YR in samples collected from four locations in Hartbeespoort Dam in North West Province (South Africa) during the 2010/2011 summer season. <i>International Journal of Environmental Research and Public Health</i> , 2012 , 9, 3484-505	4.6	25
179	Occurrence and risk assessment of azole antifungal drugs in water and wastewater. <i>Ecotoxicology and Environmental Safety</i> , 2020 , 187, 109868	7	24
178	Distribution, Interaction and Functional Profiles of Epiphytic Bacterial Communities from the Rocky Intertidal Seaweeds, South Africa. <i>Scientific Reports</i> , 2019 , 9, 19835	4.9	24
177	Target quantification of azole antifungals and retrospective screening of other emerging pollutants in wastewater effluent using UHPLC-QTOF-MS. <i>Environmental Pollution</i> , 2019 , 253, 655-666	9.3	23
176	Profiling Bacterial Diversity and Potential Pathogens in Wastewater Treatment Plants Using High-Throughput Sequencing Analysis. <i>Microorganisms</i> , 2019 , 7,	4.9	23
175	Determination of selected persistent organic pollutants in wastewater from landfill leachates, using an amperometric biosensor. <i>Physics and Chemistry of the Earth</i> , 2012 , 50-52, 252-261	3	23

174	Metals and sulphate removal from acid mine drainage in two steps via ferrite sludge and barium sulphate formation. <i>Minerals Engineering</i> , 2015 , 81, 79-87	4.9	22
173	Temporal variations in physico-chemical and microbiological characteristics of Mvudi river, South Africa. <i>International Journal of Environmental Research and Public Health</i> , 2015 , 12, 4128-40	4.6	22
172	Electro-coagulation coupled electro-flotation process: Feasible choice in doxycycline removal from pharmaceutical effluents. <i>Arabian Journal of Chemistry</i> , 2019 , 12, 2798-2809	5.9	22
171	Evaluation of Microbiological and Physicochemical Parameters of Alternative Source of Drinking Water: A Case Study of Nzhelele River, South Africa. <i>Open Microbiology Journal</i> , 2018 , 12, 18-27	0.8	22
170	Removal Efficiency of Faecal Indicator Organisms, Nutrients and Heavy Metals from a Peri-Urban Wastewater Treatment Plant in Thohoyandou, Limpopo Province, South Africa. <i>International Journal of Environmental Research and Public Health</i> , 2015 , 12, 7300-20	4.6	21
169	Superhydrophobic and superoleophilic surface of porous beaded electrospun polystyrene and polysiloxane-zeolite fiber for crude oil-water separation. <i>Physics and Chemistry of the Earth</i> , 2016 , 92, 7-13	3	20
168	Integrated acid mine drainage treatment using $Mg(OH)_2$ or $Mg(HCO_3)_2$ and $Ca(OH)_2$: Implications for separate removal of metals and sulphate. <i>International Journal of Mineral Processing</i> , 2016 , 155, 83-90		20
167	Surface restructuring of lignite by bio-char of <i>Cuminum cyminum</i> [Exploring the prospects in defluoridation followed by fuel applications. <i>Applied Surface Science</i> , 2014 , 301, 235-243	6.7	20
166	Sample preparation using liquid membrane extraction techniques. <i>Water S A</i> , 2018 , 34, 421	1.3	20
165	Activated Carbon from Lignocellulosic Waste Residues: Effect of Activating Agent on Porosity Characteristics and Use as Adsorbents for Organic Species. <i>Water, Air, and Soil Pollution</i> , 2014 , 225, 1	2.6	19
164	Synthesis and physicochemical characterization of MnO_2 coated Na-bentonite for groundwater defluoridation: Adsorption modelling and mechanistic aspect.. <i>Applied Surface Science</i> , 2017 , 422, 745-753	6.7	18
163	Determination of volatile fatty acids in wastewater by solvent extraction and gas chromatography. <i>Physics and Chemistry of the Earth</i> , 2014 , 67-69, 86-92	3	18
162	Preconcentration of trace multi-elements in water samples using Dowex 50W-x8 and Chelex-100 resins prior to their determination using inductively coupled plasma atomic emission spectrometry (ICP-OES). <i>Physics and Chemistry of the Earth</i> , 2013 , 66, 83-88	3	18
161	Analysis and quantification of parabens in cosmetic products by utilizing hollow fibre-supported liquid membrane and high performance liquid chromatography with ultraviolet detection. <i>International Journal of Cosmetic Science</i> , 2008 , 30, 297-307	2.7	18
160	The Use of Supported Liquid Membranes in the Extraction of Macrolides in Biomatrices. <i>Mikrochimica Acta</i> , 2004 , 148, 199-214	5.8	18
159	Effect of incorporating graphene oxide and surface imprinting on polysulfone membranes on flux, hydrophilicity and rejection of salt and polycyclic aromatic hydrocarbons from water. <i>Physics and Chemistry of the Earth</i> , 2017 , 100, 126-134	3	17
158	A novel photodegradation approach for the efficient removal of natural organic matter (NOM) from water. <i>Physics and Chemistry of the Earth</i> , 2018 , 106, 97-106	3	17
157	The potential of melt-mixed polypropylene/zeolite blends in the removal of heavy metals from aqueous media. <i>Physics and Chemistry of the Earth</i> , 2011 , 36, 1178-1188	3	17

156	Application of silica and germanium dioxide nanoparticles/ polyethersulfone blend membranes for removal of emerging micropollutants from water. <i>Physics and Chemistry of the Earth</i> , 2018 , 108, 28-47	3	17
155	Polyurethane composite adsorbent using solid phase extraction method for preconcentration of metal ion from aqueous solution. <i>International Journal of Environmental Science and Technology</i> , 2015 , 12, 2389-2400	3.3	16
154	Determination of the water quality index ratings of water in the Mpumalanga and North West provinces, South Africa. <i>Physics and Chemistry of the Earth</i> , 2016 , 92, 70-78	3	16
153	A solid phase extraction procedure based on electrospun cellulose-g-oxolane-2,5-dione nanofibers for trace determination of Cd, Cu, Fe, Pb and Zn in gasoline samples by ICP-OES. <i>Analytical Methods</i> , 2013 , 5, 3000	3.2	16
152	Assessment of trihalomethane (THM) precursors using specific ultraviolet absorbance (SUVA) and molecular size distribution (MSD). <i>Journal of Water Process Engineering</i> , 2019 , 27, 143-151	6.7	16
151	Occurrence and spatial distribution of statins, fibrates and their metabolites in aquatic environments. <i>Arabian Journal of Chemistry</i> , 2020 , 13, 4358-4373	5.9	16
150	Nitrogen-Doped Carbon Nanotubes/Polyethersulfone Blend Membranes for Removing Emerging Micropollutants. <i>Clean - Soil, Air, Water</i> , 2017 , 45, 1500889	1.6	15
149	Molecularly imprinted membranes (MIMs) for selective removal of polychlorinated biphenyls (PCBs) in environmental waters: fabrication and characterization. <i>Environmental Science and Pollution Research</i> , 2017 , 24, 11694-11707	5.1	15
148	Novel silver-platinum bimetallic nanoalloy synthesized from Vernonia mespilifolia extract: Antioxidant, antimicrobial, and cytotoxic activities. <i>Arabian Journal of Chemistry</i> , 2020 , 13, 6639-6648	5.9	15
147	Synthesis and application of reduced graphene oxide and molecularly imprinted polymers composite in chemo sensor for trichloroacetic acid detection in aqueous solution. <i>Physics and Chemistry of the Earth</i> , 2014 , 76-78, 49-53	3	15
146	Synthesis and Characterization of Biopolymeric Chitosan Derived from Land Snail Shells and Its Potential for Pb ²⁺ Removal from Aqueous Solution. <i>Materials</i> , 2015 , 8, 8630-8640	3.5	15
145	The impact of microbial ecology and chemical profile on the enhanced biological phosphorus removal (EBPR) process: a case study of Northern Wastewater Treatment Works, Johannesburg. <i>International Journal of Environmental Research and Public Health</i> , 2014 , 11, 2876-98	4.6	15
144	Effect of site, species and tree size on the quantitative variation of lipophilic extractives in Eucalyptus woods used for pulping in South Africa. <i>Industrial Crops and Products</i> , 2014 , 56, 166-174	5.9	15
143	Comparison of natural organic matter removal by ultrafiltration, granular activated carbon filtration and full scale conventional water treatment. <i>Journal of Environmental Chemical Engineering</i> , 2018 , 6, 6282-6289	6.8	15
142	Diversity and functional profile of bacterial communities at Lancaster acid mine drainage dam, South Africa as revealed by 16S rRNA gene high-throughput sequencing analysis. <i>Extremophiles</i> , 2019 , 23, 719-734	3	14
141	The stimuli-responsive properties of doxorubicin adsorbed onto bimetallic Au@Pd nanodendrites and its potential application as drug delivery platform. <i>Materials Science and Engineering C</i> , 2020 , 110, 110696	8.3	14
140	Photocatalysis and biodegradation of pharmaceuticals in wastewater: effect of abiotic and biotic factors. <i>Clean Technologies and Environmental Policy</i> , 2019 , 21, 1701-1721	4.3	14
139	Steam activation, characterisation and adsorption studies of activated carbon from maize tassels. <i>Chemistry and Ecology</i> , 2014 , 30, 473-490	2.3	14

138	The enrichment and removal of arsenic (III) from water samples using HFSLM. <i>Physics and Chemistry of the Earth</i> , 2012 , 50-52, 121-126	3	14
137	Determination of phthalate ester plasticizers in the aquatic environment using hollow fibre supported liquid membranes. <i>Physics and Chemistry of the Earth</i> , 2012 , 50-52, 239-242	3	14
136	Graphitic Carbon Nitride: A Highly Electroactive Nanomaterial for Environmental and Clinical Sensing. <i>Sensors</i> , 2020 , 20,	3.8	14
135	Equilibrium kinetics study of electrospun polystyrene and polystyrene-zeolite fibres for crude oil-water separation. <i>Journal of Water Process Engineering</i> , 2017 , 19, 253-259	6.7	13
134	The properties and removal efficacies of natural organic matter fractions by South African drinking water treatment plants. <i>Journal of Environmental Chemical Engineering</i> , 2019 , 7, 103101	6.8	13
133	Adsorption studies for the simultaneous removal of arsenic and selenium using naturally prepared adsorbent materials. <i>International Journal of Environmental Science and Technology</i> , 2014 , 11, 1723-1732 ^{3.3}	3.3	13
132	Pre-concentration of trace elements in short chain alcohols using different commercial cation exchange resins prior to inductively coupled plasma-optical emission spectrometric detection. <i>Analytica Chimica Acta</i> , 2013 , 787, 78-86	6.6	13
131	Adsorption of 2,4,6-Trichlorophenol and ortho-Nitrophenol from Aqueous Media Using Surfactant-Modified Clinoptilolite/Biopolypropylene Hollow Fibre Composites. <i>Water, Air, and Soil Pollution</i> , 2012 , 223, 1555-1569	2.6	12
130	Method Development for the Determination of Diallyldimethylammonium Chloride at Trace Levels by Epoxidation Process. <i>Water, Air, and Soil Pollution</i> , 2013 , 224, 1638	2.6	11
129	Evaluation of temporary seasonal variation of heavy metals and their potential ecological risk in Nzhelele River, South Africa. <i>Open Chemistry</i> , 2017 , 15, 272-282	1.6	11
128	The Occurrence and Diversity of Waterborne Fungi in African Aquatic Systems: Their Impact on Water Quality and Human Health. <i>International Journal of Environmental Research and Public Health</i> , 2017 , 14,	4.6	11
127	Rejection of pharmaceuticals by nanofiltration (NF) membranes: Effect of fouling on rejection behaviour. <i>Physics and Chemistry of the Earth</i> , 2014 , 76-78, 28-34	3	11
126	Kinetics and Equilibrium Studies for the Removal of Cobalt, Manganese, and Silver in Ethanol using Dowex 50W-x8 Cation Exchange Resin. <i>Separation Science and Technology</i> , 2014 , 49, 1848-1859	2.5	11
125	Immobilized Fe (III)-doped titanium dioxide for photodegradation of dissolved organic compounds in water. <i>Environmental Science and Pollution Research</i> , 2013 , 20, 6028-38	5.1	11
124	The use of liquid membranes in the multi-residue extraction of stilbenes in a variety of biological matrices and their detection with LC-ES-MS. <i>Annali Di Chimica</i> , 2006 , 96, 635-46		11
123	Performance of Mn ²⁺ modified Bentonite Clay for the Removal of Fluoride from Aqueous Solution. <i>South African Journal of Chemistry</i> , 2018 , 71, 15-23	1.8	11
122	Preparation of mesoporous alumina electro-generated by electrocoagulation in NaCl electrolyte and application in fluoride removal with consistent regenerations. <i>Arabian Journal of Chemistry</i> , 2020 , 13, 271-289	5.9	11
121	Evaluation of contaminants removal by waste stabilization ponds: A case study of Siloam WSPs in Vhembe District, South Africa. <i>Heliyon</i> , 2021 , 7, e06207	3.6	11

120	Hydrochemical modelling of water quality in terms of emerging micropollutants in Mpumalanga, Gauteng and North West Provinces. <i>Physics and Chemistry of the Earth</i> , 2017 , 100, 143-157	3	10
119	An efficient and stable narrow bandgap carbon dot-brookite composite over other CD-TiO ₂ polymorphs in rhodamine B degradation under LED light. <i>Ceramics International</i> , 2019 , 45, 14173-14181	5.1	10
118	Laccase Immobilized Fe ₃ O ₄ -Graphene Oxide Nanobiocatalyst Improves Stability and Immobilization Efficiency in the Green Preparation of Sulfa Drugs. <i>Catalysts</i> , 2020 , 10, 459	4	10
117	Determination of the health of Lunyangwa wetland using Wetland Classification and Risk Assessment Index. <i>Physics and Chemistry of the Earth</i> , 2016 , 92, 52-60	3	10
116	Development of supported liquid membrane techniques for the monitoring of trace levels of organic pollutants in wastewaters and water purification systems. <i>Physics and Chemistry of the Earth</i> , 2011 , 36, 1167-1177	3	10
115	Evaluation of Phytochemicals, Antioxidants, Trace Elements in Kigelia africana Fruit Extracts and Chemical Profiling Analysis Using UHPLC-qTOF-MS Spectrometry. <i>Biological Trace Element Research</i> , 2020 , 195, 679-695	4.5	10
114	2012,		10
113	Polymeric ion exchanger supported ferric oxide nanoparticles as adsorbents for toxic metal ions from aqueous solutions and acid mine drainage. <i>Journal of Environmental Health Science & Engineering</i> , 2019 , 17, 719-730	2.9	9
112	Preparation of guanidinium terminus-molecularly imprinted polymers for selective recognition and solid-phase extraction (SPE) of [arginine]-microcystins. <i>Analytical and Bioanalytical Chemistry</i> , 2013 , 405, 4253-67	4.4	9
111	Evaluation of groundwater quality in Madurai City, South India for drinking, irrigation and construction purposes. <i>Arabian Journal of Geosciences</i> , 2014 , 7, 3093-3107	1.8	9
110	Acid Mine Drainage as Habitats for Distinct Microbiomes: Current Knowledge in the Era of Molecular and Omic Technologies. <i>Current Microbiology</i> , 2020 , 77, 657-674	2.4	9
109	Synthesis of new pyridines with sulfonamide moiety a cooperative vinylogous anomeric-based oxidation mechanism in the presence of a novel quinoline-based dendrimer-like ionic liquid.. <i>RSC Advances</i> , 2021 , 11, 3143-3152	3.7	9
108	Carbon nanotube embedded PVDF membranes: Effect of solvent composition on the structural morphology for membrane distillation. <i>Physics and Chemistry of the Earth</i> , 2017 , 100, 135-142	3	8
107	Graphene-based molecularly imprinted polymer for separation and pre-concentration of trace polycyclic aromatic hydrocarbons in environmental water samples. <i>Journal of Applied Polymer Science</i> , 2017 , 134, 45300	2.9	8
106	Determination of antibiotic residues in frozen poultry by a solid-phase dispersion method using liquid chromatography-triple quadrupole mass spectrometry. <i>Toxicology Reports</i> , 2019 , 6, 951-956	4.8	8
105	Polypropylene-Zeolite polymer composites for water purification: synthesis, characterisation and application. <i>Desalination and Water Treatment</i> , 2015 , 53, 2604-2612		8
104	Superoleophilic electrospun polystyrene/exfoliated graphite fibre for selective removal of crude oil from water. <i>Physics and Chemistry of the Earth</i> , 2016 , 92, 3-6	3	8
103	Microalgae: An alternative natural source of bioavailable omega-3 DHA for promotion of mental health in East Africa. <i>Scientific African</i> , 2019 , 6, e00187	1.7	8

102	Synthesis, characterization, and photocatalytic activity of silver and zinc co-doped TiO ₂ nanoparticle for photodegradation of methyl orange dye in aqueous solution. <i>Canadian Journal of Chemistry</i> , 2019 , 97, 642-650	0.9	7
101	Overview of Trends in the Application of Metagenomic Techniques in the Analysis of Human Enteric Viral Diversity in Africa & Environmental Regimes. <i>Viruses</i> , 2018 , 10,	6.2	7
100	Ionic Liquid-Based Extraction of Fatty Acids from Blue-Green Algal Cells Enhanced by Direct Transesterification and Determination Using GC-MS. <i>Chromatographia</i> , 2014 , 77, 479-486	2.1	7
99	Therapeutic nanodendrites: current applications and prospects. <i>Nanoscale Advances</i> , 2020 , 2, 5152-5165	5.1	6
98	The Potential Health Risk Associated with Edible Vegetables Grown on Cr(VI) Polluted Soils. <i>International Journal of Environmental Research and Public Health</i> , 2020 , 17,	4.6	6
97	Preparation and use of maize tassels & activated carbon for the adsorption of phenolic compounds in environmental waste water samples. <i>Environmental Science and Pollution Research</i> , 2015 , 22, 5780-92	5.1	6
96	Monitoring of N-methyl carbamate pesticide residues in water using hollow fibre supported liquid membrane and solid phase extraction. <i>Physics and Chemistry of the Earth</i> , 2012 , 50-52, 149-156	3	6
95	Supported liquid membrane-liquid chromatography-mass spectrometry analysis of cyanobacterial toxins in fresh water systems. <i>Physics and Chemistry of the Earth</i> , 2012 , 50-52, 84-91	3	6
94	PCR amplification and DNA sequence of <i>mcyA</i> gene: the distribution profile of a toxigenic <i>Microcystis aeruginosa</i> in the Hartbeespoort Dam, South Africa. <i>Journal of Water and Health</i> , 2013 , 11, 563-72	2.2	6
93	Application of Supported Liquid Membranes in the Multi-Residue Extraction of Aminoglycoside Antibiotics in Milk and Urine. <i>Bulletin of the Chemical Society of Japan</i> , 2005 , 78, 2135-2141	5.1	6
92	Cytotoxicity, phytochemical analysis and antioxidant activity of crude extracts from rhizomes of <i>Elephantorrhiza elephantina</i> and <i>Pentanisia prunelloides</i> . <i>African Journal of Traditional Complementary and Alternative Medicines</i> , 2014 , 11, 34-52	0.2	6
91	Review: Natural organic matter in aquatic systems & South African perspective. <i>Water S A</i> , 2018 , 44,	1.3	6
90	Impact of zinc oxide nanoparticles in aqueous environments: influence of concentrations, natural organic matter and ionic strength. <i>Inorganic and Nano-Metal Chemistry</i> , 2020 , 50, 680-692	1.2	5
89	Fluoride removal studies using virgin and Ti (IV)-modified <i>Musa paradisiaca</i> (plantain pseudo-stem) carbons. <i>Environmental Science and Pollution Research</i> , 2019 , 26, 11565-11578	5.1	5
88	The simultaneous stripping of arsenic and selenium from wastewaters using hollow-fibre supported liquid membranes. <i>Environmental Monitoring and Assessment</i> , 2014 , 186, 8865-74	3.1	5
87	Synthesis, characterization, and potential application of Mn ²⁺ -intercalated bentonite in fluoride removal: adsorption modeling and mechanism evaluation. <i>Applied Water Science</i> , 2017 , 7, 4549-4561	5	5
86	Controlling the release of wood extractives into water bodies by selecting suitable eucalyptus species. <i>Physics and Chemistry of the Earth</i> , 2012 , 50-52, 217-223	3	5
85	Characterisation of smectite-rich clay soil: Implication for groundwater defluoridation. <i>South African Journal of Science</i> , 2016 , Volume 112,	1.3	5

84	Exploration of Modern Chromatographic Methods Coupled to Mass Spectrometric Techniques for Trace Element and Chemical Composition Analyses in the Leaf Extracts of <i>Kigelia africana</i> . <i>Biological Trace Element Research</i> , 2021 , 199, 1633-1648	4.5	5
83	Dendrimer supported Fe/Ni bimetallic composites immobilized in polyethersulfone membranes for effective degradation of arginine containing microcystins. <i>European Polymer Journal</i> , 2018 , 98, 456-467	5.2	5
82	Sustainable Hydrothermal and Solvothermal Synthesis of Advanced Carbon Materials in Multidimensional Applications: A Review. <i>Materials</i> , 2021 , 14,	3.5	5
81	Preparation of SPE hybrid mesoporous silica sorbents for the analysis and removal of organic pollutants in water. <i>Physics and Chemistry of the Earth</i> , 2014 , 72-75, 83-87	3	4
80	Removal of phenolics from aqueous media using quaternised maize tassels. <i>Journal of Environmental Management</i> , 2014 , 134, 70-9	7.9	4
79	Ionic Liquid-Liquid Extraction and Supported Liquid Membrane Analysis of Lipophilic Wood Extractives from Dissolving-Grade Pulp. <i>Chromatographia</i> , 2012 , 75, 513-520	2.1	4
78	Solid-phase extraction and high performance liquid chromatography with diode array detection method for the determination of antibiotic residues in poultry tissues. <i>Chemical Data Collections</i> , 2020 , 25, 100312	2.1	4
77	Biochemical applications of <i>Kigelia africana</i> (Lam.) Benth. fruit extracts in diabetes mellitus. <i>Comparative Clinical Pathology</i> , 2020 , 29, 1251-1264	0.9	4
76	Metabolome modulatory effects of <i>Kigelia africana</i> (Lam.) Benth. fruit extracts on oxidative stress, hyperlipidaemic biomarkers in STZ-induced diabetic rats and antidiabetic effects in 3T3 L1 adipocytes. <i>Journal of Pharmacy and Pharmacology</i> , 2020 , 72, 1798-1811	4.8	4
75	Investigating the chromium status, heavy metal contamination, and ecological risk assessment via tannery waste disposal in sub-Saharan Africa (Kenya and South Africa). <i>Environmental Science and Pollution Research</i> , 2021 , 28, 42135-42149	5.1	4
74	Three Selected Edible Crops of the Genus as Potential Sources of Phytochemicals: Biochemical, Nutritional, and Medicinal Values. <i>Frontiers in Pharmacology</i> , 2021 , 12, 625546	5.6	4
73	Acid mine drainage pollution remediation using hybrid chelating ion-exchange/HZrO ₂ nanocomposite adsorbents. <i>SN Applied Sciences</i> , 2019 , 1, 1	1.8	4
72	Retrospective analysis of Chlorophyll-a and its correlation with climate and hydrological variations in Mindu Dam, Morogoro, Tanzania. <i>Heliyon</i> , 2019 , 5, e02834	3.6	4
71	A review on water treatment technologies for the management of oxoanions: prospects and challenges. <i>Environmental Science and Pollution Research</i> , 2021 , 28, 61979-61997	5.1	4
70	Calibration and field application of a molecularly imprinted membrane-passive sampler for the sampling of indicator polychlorinated biphenyls in selected aquatic environments of South Africa. <i>Water Science and Technology</i> , 2019 , 79, 808-819	2.2	3
69	Morphological Influence of TiO ₂ Nanostructures on Charge Transfer and Tetracycline Degradation Under LED Light. <i>ChemistrySelect</i> , 2020 , 5, 1037-1040	1.8	3
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