

Titus A M Msagati

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Characterization of natural organic matter in South African drinking water treatment plants: Towards integrating ceramic membrane filtration.. <i>Water Environment Research</i> , 2022 , 94, e10693	2.8	
208	Harmful algae in aquaculture systems in Ngerengere Catchment, Morogoro, Tanzania: Descriptive community structure and environmental concerns. <i>Physics and Chemistry of the Earth</i> , 2022 , 125, 103103 ³		1
207	One planet: one health. A call to support the initiative on a global science-policy body on chemicals and waste.. <i>Environmental Sciences Europe</i> , 2022 , 34, 21	5	2
206	Toxicity assessment of TiO-conjugated Carbon-based nanohybrid material on a freshwater bioindicator cladoceran, <i>Daphnia magna</i> .. <i>Aquatic Toxicology</i> , 2022 , 247, 106176	5.1	0
205	Toxicity evaluation of TiO/MWCNT-CNF hybrid nanocomposites with enhanced photocatalytic activity toward freshwater microalgae: <i>Pseudokirchneriella subcapitata</i> . <i>Chemosphere</i> , 2021 , 291, 132891 ⁴	8.4	0
204	Detection and quantification of multiclass antibiotic residues in poultry products using solid-phase extraction and high-performance liquid chromatography with diode array detection.. <i>Heliyon</i> , 2021 , 7, e08469	3.6	0
203	Morphometric and Structural Properties of a Sustainable Plant Biomass with Water Purification Potentials. <i>Sustainability</i> , 2021 , 13, 11075	3.6	1
202	Antifungal azoles and azole resistance in the environment: current status and future perspectives—review. <i>Reviews in Environmental Science and Biotechnology</i> , 2021 , 20, 1011-1041	13.9	1
201	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	2.4	2
200	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
199	Metagenomic insights into taxonomic diversity and metabolic potential of bacterial communities associated with tannery waste-contaminated soils. <i>International Journal of Environmental Science and Technology</i> , 2021 , 1	3.3	1
198	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
197	Bimetallic Au@Pd nanodendrite system incorporating multimodal intracellular imaging for improved doxorubicin antitumor efficiency. <i>International Journal of Pharmaceutics</i> , 2021 , 602, 120661	6.5	3
196	A facile approach for the preparation of NiONPs@MnO ₂ NRs nanocomposite material and its photocatalytic activity. <i>Journal of Nanoparticle Research</i> , 2021 , 23, 1	2.3	3
195	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
194	Unraveling bacterial diversity in oil refinery effluents. <i>Archives of Microbiology</i> , 2021 , 203, 1231-1240	3	1
193	Azole antifungal resistance in fungal isolates from wastewater treatment plant effluents. <i>Environmental Science and Pollution Research</i> , 2021 , 28, 3217-3229	5.1	2

192	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
191	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
190	Sustainable Hydrothermal and Solvothermal Synthesis of Advanced Carbon Materials in Multidimensional Applications: A Review. <i>Materials</i> , 2021 , 14,	3.5	5
189	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
188	Nuclear targeted multimodal 3D-bimetallic Au@Pd nanodendrites promote doxorubicin efficiency in breast cancer therapy. <i>Arabian Journal of Chemistry</i> , 2021 , 14, 103344	5.9	3
187	The Py - GC-TOF-MS analysis and characterization of microplastics (MPs) in a wastewater treatment plant in Gauteng Province, South Africa. <i>Ecotoxicology and Environmental Safety</i> , 2021 , 222, 112478	7	3
186	Physico-chemical dynamics of protein corona formation on 3D-bimetallic Au@Pd nanodendrites and its implications on biocompatibility. <i>Journal of Molecular Liquids</i> , 2021 , 341, 117329	6	1
185	Therapeutic nanodendrites: current applications and prospects. <i>Nanoscale Advances</i> , 2020 , 2, 5152-5165	5.1	6
184	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
183	Synthesis of Arylsulfonyl Benzenediols by Sandwich Type Polyoxometalate Intercalated MgAl-Layered Double Hydroxides in Water at Room Temperature. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2020 , 30, 4578-4584	3.2	
182	Development of a Natural Product Rich in Bioavailable Omega-3 DHA from Locally Available Ingredients for Prevention of Nutrition Related Mental Illnesses. <i>Journal of the American College of Nutrition</i> , 2020 , 39, 720-732	3.5	2
181	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
180	The role and influence of hydrogeochemistry in the behaviour and fate of silver nanoparticles in freshwater systems. <i>SN Applied Sciences</i> , 2020 , 2, 1	1.8	1
179	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
178	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
177	Gold nanoparticles modified exfoliated graphite electrode as electrochemical sensor in the determination of psychoactive drug. <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , 2020 , 55, 455-461	2.2	2
176	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
175	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

174	Chemical modification of sugarcane bagasse with chitosan for the removal of phosphates in aqueous solution 2020 ,		2
173	Monitoring the characteristics and removal of natural organic matter fractions in selected South African water treatment plants. <i>Water Practice and Technology</i> , 2020 , 15, 932-946	0.9	1
172	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
171	Spinel ferrite nanoparticles and nanocomposites for biomedical applications and their toxicity. <i>Materials Science and Engineering C</i> , 2020 , 107, 110314	8.3	75
170	The occurrence and exposure risk assessment of psychoactive drug residues and metabolites in aquatic environment. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2020 , 178, 112944	3.5	2
169	Distribution profile of titanium dioxide nanoparticles in South African aquatic systems. <i>Water Science and Technology: Water Supply</i> , 2020 , 20, 516-528	1.4	1
168	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
167	Occurrence and risk assessment of azole antifungal drugs in water and wastewater. <i>Ecotoxicology and Environmental Safety</i> , 2020 , 187, 109868	7	24
166	Graphitic Carbon Nitride: A Highly Electroactive Nanomaterial for Environmental and Clinical Sensing. <i>Sensors</i> , 2020 , 20,	3.8	14
165	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
164	Novel hybrid metal loaded chelating resins for removal of toxic metals from acid mine drainage. <i>Water Science and Technology</i> , 2020 , 81, 2568-2584	2.2	2
163	Bioaccumulation and distribution pattern of heavy metals in aquaculture systems found in Arusha and Morogoro regions of Tanzania. <i>International Journal of Environmental Analytical Chemistry</i> , 2020 , 1-18	1.8	2
162	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
161	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
160	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
159	Evaluation of Phytochemicals, Antioxidants, Trace Elements in <i>Kigelia africana</i> Fruit Extracts and Chemical Profiling Analysis Using UHPLC-qTOF-MS Spectrometry. <i>Biological Trace Element Research</i> , 2020 , 195, 679-695	4.5	10
158	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
157	Diversity, Co-occurrence and Implications of Fungal Communities in Wastewater Treatment Plants. <i>Scientific Reports</i> , 2019 , 9, 14056	4.9	39

156	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
155	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
154	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
153	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
152	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
151	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
150	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
149	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
148	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
147	Target Analysis of Antibiotic Drugs in Poultry Feedstuff by Solid Phase Extraction and Ultra-High Performance Liquid Chromatography-Tandem Mass Spectrometry. <i>Journal of Physics: Conference Series</i> , 2019 , 1299, 012102	0.3	
146	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
145	Profiling Bacterial Diversity and Potential Pathogens in Wastewater Treatment Plants Using High-Throughput Sequencing Analysis. <i>Microorganisms</i> , 2019 , 7,	4.9	23
144	Distribution of Antibiotic Residues in Non-medicated Poultry Feeds by High-Performance Liquid Chromatography with Diode-array Detection. <i>Journal of Physics: Conference Series</i> , 2019 , 1378, 042053	0.3	1
143	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
142	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
141	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
140	Removal of Fluoride Ions in Stored Drinking Water by Triethylamine Chemically Modified Polyethylene Containers. <i>International Journal of Environmental Research</i> , 2019 , 13, 175-184	2.9	1
139	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

138	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
137	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
136	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
135	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
134	Novel electrospun superhydrophobic sorbent for petroleum fingerprinting analysis. <i>Polymer Bulletin</i> , 2018 , 75, 427-440	2.4	
133	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
132	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
131	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
130	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
129	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
128	Review: Natural organic matter in aquatic systems – South African perspective. <i>Water S A</i> , 2018 , 44,	1.3	6
127	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
126	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
125	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
124	Sample preparation using liquid membrane extraction techniques. <i>Water S A</i> , 2018 , 34, 421	1.3	20
123	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
122	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
121	Nitrogen-Doped Carbon Nanotubes/Polyethersulfone Blend Membranes for Removing Emerging Micropollutants. <i>Clean - Soil, Air, Water</i> , 2017 , 45, 1500889	1.6	15

120	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
119	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
118	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
117	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
116	Acid mine drainage: Prevention, treatment options, and resource recovery: A review. <i>Journal of Cleaner Production</i> , 2017 , 151, 475-493	10.3	337
115	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
114	Development of a silicone-membrane passive sampler for monitoring cylindrospermopsin and microcystin LR-YR-RR in natural waters. <i>Physics and Chemistry of the Earth</i> , 2017 , 100, 189-200	3	
113	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
112	Food Provenance and Food Fingerprinting 2017 , 7-45		
111	Food Forensics 2017 , 1-5		0
110	Food Forensics Cases Related to Food Allergenomic Sabotage and Food Intolerance 2017 , 47-56		
109	Food Forensics Cases Related to Food Bioterrorism/Food Bio-Weapons and Food Poisoning Agents 2017 , 57-106		
108	Food Forensics Cases Related to Food Bioterrorism/Food Bio-Weapons and Food Poisoning Agents 2017 , 107-143		
107	Food Forensics Cases Related to Application of Food Additives and Food Improvement Agents 2017 , 209-221		
106	Application of Molecular Biology Techniques in Food Forensics 2017 , 223-254		
105	Application of Atomic and Molecular Spectroscopic Techniques in Food Forensics 2017 , 255-293		
104	Application of Microscopy Techniques in Food Forensics 2017 , 295-307		
103	Application of Ionizing Radiations (X-rays/ERays) Techniques in Food Forensics 2017 , 309-321		

102 Application of Chromatographic Techniques in Food Forensics **2017**, 323-339

101 Application of Hyphenated Techniques in Food Forensics **2017**, 341-346

100 Application of Electromigration Driven Techniques in Food Forensics **2017**, 347-359

99 Application of Thermal Methods in Food Forensics **2017**, 361-377

98 Application of Electrochemical Methods and Biosensors in Food Forensics **2017**, 379-389

97 Application of Flow Cytometry in Food Forensics **2017**, 391-394

96 Application of Multivariate Statistical Analysis/Chemometrics in Food Forensics **2017**, 395-409

95 Conclusions and Future Trends **2017**, 411-412

94 Food Forensics Cases Related to Food Bioterrorism Poisoning using Pathogenic Viruses **2017**, 145-151

93 Food Forensics Cases Related to Genetically Modified Organisms (GMO) Foods **2017**, 153-168

92 Food Forensics Cases Related to Poisoning of Food and Water using Radionuclides **2017**, 169-175

91 Food Forensics Cases Related to Nano and Novel/Intelligent Foods, Feeds and Agroproducts **2017**, 177-207

90 Application of spinel ferrite nanoparticles in water and wastewater treatment: A review. *Separation and Purification Technology*, **2017**, 188, 399-422 8.3 239

89 Investigation of natural organic matter (NOM) character and its removal in a chlorinated and chloraminated system at Rand Water, South Africa. *Water Science and Technology: Water Supply*, **2017**, 17, 1287-1297 1.4 2

88 Synthesis, characterization, and potential application of Mn²⁺-intercalated bentonite in fluoride removal: adsorption modeling and mechanism evaluation. *Applied Water Science*, **2017**, 7, 4549-4561 5 5

87 Ferrite nanoparticles: Synthesis, characterisation and applications in electronic device. *Materials Science and Engineering B: Solid-State Materials for Advanced Technology*, **2017**, 215, 37-55 3.1 268

86 Evaluation of temporary seasonal variation of heavy metals and their potential ecological risk in Nzhelele River, South Africa. *Open Chemistry*, **2017**, 15, 272-282 1.6 11

85 Occurrence of Emerging Micropollutants in Water Systems in Gauteng, Mpumalanga, and North West Provinces, South Africa. *International Journal of Environmental Research and Public Health*, **2017**, 14, 4.6 43

84	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
83	Fatty Acid Composition of Dried Fruits of <i>Sclerocarya birrea</i> , <i>Diospyros blancoi</i> and <i>Landolphia kirkii</i> . <i>International Journal of Environmental Research and Public Health</i> , 2017 , 14,	4.6	3
82	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
81	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
80	Laboratory Investigations on the Influential Factors Governing Fluoride Adsorption/Desorption on Surface-Modified Carbons 2016 , 123-146		1
79	Adsorption Investigations: Kinetic and Isotherm Models, Determination of Thermodynamic Parameters 2016 , 147-178		
78	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
77	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
76	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
75	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
74	Characterisation of smectite-rich clay soil: Implication for groundwater defluoridation. <i>South African Journal of Science</i> , 2016 , Volume 112,	1.3	5
73	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
72	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
71	Novel nanoporous sorbent for solid-phase extraction in petroleum fingerprinting. <i>Applied Physics A: Materials Science and Processing</i> , 2016 , 122, 1	2.6	2
70	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
69	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
68	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
67	Polypropylene/zeolite polymer composites for water purification: synthesis, characterisation and application. <i>Desalination and Water Treatment</i> , 2015 , 53, 2604-2612		8

66	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
65	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
64	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
63	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
62	A Novel Approach for the Removal of Lead(II) Ion from Wastewater Using Mucilaginous Leaves of Diceriocaryum eriocarpum Plant. <i>Sustainability</i> , 2015 , 7, 14026-14041	3.6	39
61	Calibration of a passive, in situ, integrative sampler for monitoring of microbial biotoxins in aquatic environments. <i>Water Science and Technology: Water Supply</i> , 2015 , 15, 1353-1367	1.4	2
60	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
59	Evaluation of the influence of lipophilic extractive residues on dissolving pulp quality parameters by partial least squares method of chemometrics. <i>Nordic Pulp and Paper Research Journal</i> , 2015 , 30, 402-410	1.1	1
58	Ionic Liquid-Based Extraction of Fatty Acids from Blue-Green Algal Cells Enhanced by Direct Transesterification and Determination Using GC-TOFMS. <i>Chromatographia</i> , 2014 , 77, 479-486	2.1	7
57	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
56	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
55	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
54	Preconcentration and spectrophotometric determination of polyDADMAC in treated water by in situ co-precipitation with naphthalene. <i>Physics and Chemistry of the Earth</i> , 2014 , 72-75, 54-60	3	1
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