

Philiswa Nosizo Nomngongo

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1251909/publications.pdf>

Version: 2024-02-01

143
papers

3,081
citations

172207

29
h-index

243296

44
g-index

146
all docs

146
docs citations

146
times ranked

3083
citing authors

#	ARTICLE	IF	CITATIONS
1	Preparation and characterization of xanthan gum-cl-poly(acrylic acid)/o-MWCNTs hydrogel nanocomposite as highly effective re-usable adsorbent for removal of methylene blue from aqueous solutions. <i>Journal of Colloid and Interface Science</i> , 2018, 513, 700-714.	5.0	154
2	Current sample preparation methodologies for analysis of emerging pollutants in different environmental matrices. <i>TrAC - Trends in Analytical Chemistry</i> , 2016, 82, 199-207.	5.8	148
3	Fast microwave-assisted green synthesis of xanthan gum grafted acrylic acid for enhanced methylene blue dye removal from aqueous solution. <i>Carbohydrate Polymers</i> , 2017, 176, 315-326.	5.1	97
4	Fractionation of trace elements in agricultural soils using ultrasound assisted sequential extraction prior to inductively coupled plasma mass spectrometric determination. <i>Chemosphere</i> , 2016, 154, 249-257.	4.2	78
5	Determination of trace Cd, Cu, Fe, Pb and Zn in diesel and gasoline by inductively coupled plasma mass spectrometry after sample clean up with hollow fiber solid phase microextraction system. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2014, 98, 54-59.	1.5	67
6	Ultrasonic exfoliation of NiFe LDH/CB nanosheets for enhanced oxygen evolution catalysis. <i>Ultrasonics Sonochemistry</i> , 2019, 59, 104716.	3.8	60
7	Effective adsorptive removal of amoxicillin from aqueous solutions and wastewater samples using zinc oxide coated carbon nanofiber composite. <i>Emerging Contaminants</i> , 2019, 5, 143-149.	2.2	57
8	Ultrasound-assisted magnetic solid phase extraction of lead and thallium in complex environmental samples using magnetic multi-walled carbon nanotubes/zeolite nanocomposite. <i>Microchemical Journal</i> , 2019, 149, 103960.	2.3	55
9	Recyclable magnetic waste tyre activated carbon-chitosan composite as an effective adsorbent rapid and simultaneous removal of methylparaben and propylparaben from aqueous solution and wastewater. <i>Journal of Water Process Engineering</i> , 2020, 33, 101011.	2.6	55
10	Determination of As, Cr, Mo, Sb, Se and V in agricultural soil samples by inductively coupled plasma optical emission spectrometry after simple and rapid solvent extraction using choline chloride-oxalic acid deep eutectic solvent. <i>Ecotoxicology and Environmental Safety</i> , 2017, 135, 152-157.	2.9	53
11	Determination of antimony and tin in beverages using inductively coupled plasma-optical emission spectrometry after ultrasound-assisted ionic liquid dispersive liquid-liquid phase microextraction. <i>Food Chemistry</i> , 2017, 237, 904-911.	4.2	51
12	Application of waste tyre-based activated carbon for the removal of heavy metals in wastewater. <i>Cogent Engineering</i> , 2017, 4, 1330912.	1.1	51
13	Determination of thallium in water samples using inductively coupled plasma optical emission spectrometry (ICP-OES) after ultrasonic assisted-dispersive solid phase microextraction. <i>Microchemical Journal</i> , 2018, 137, 214-222.	2.3	48
14	Preconcentration and speciation of chromium species using ICP-OES after ultrasound-assisted magnetic solid phase extraction with an amino-modified magnetic nanocomposite prepared from Fe ₃ O ₄ , MnO ₂ and Al ₂ O ₃ . <i>Mikrochimica Acta</i> , 2017, 184, 1223-1232.	2.5	45
15	Determination of Selected Heavy Metals Using Amperometric Horseradish Peroxidase (HRP) Inhibition Biosensor. <i>Analytical Letters</i> , 2011, 44, 2031-2046.	1.0	42
16	Speciation of inorganic selenium in environmental samples after suspended dispersive solid phase microextraction combined with inductively coupled plasma spectrometric determination. <i>Talanta</i> , 2016, 159, 174-180.	2.9	42
17	Application of ultrasound-assisted cloud point extraction for preconcentration of antimony, tin and thallium in food and water samples prior to ICP-OES determination. <i>Journal of Food Composition and Analysis</i> , 2019, 76, 14-21.	1.9	41
18	Determination of trace metals in vegetables and water samples using dispersive ultrasound-assisted cloud point-dispersive μ -solid phase extraction coupled with inductively coupled plasma optical emission spectrometry. <i>Food Chemistry</i> , 2020, 322, 126749.	4.2	39

#	ARTICLE	IF	CITATIONS
19	Nanocomposites for Electrochemical Sensors and Their Applications on the Detection of Trace Metals in Environmental Water Samples. <i>Sensors</i> , 2021, 21, 131.	2.1	38
20	Synthesis, modification, characterization and application of AC@Fe ₂ O ₃ @MnO ₂ composite for ultrasound assisted dispersive solid phase microextraction of refractory metals in environmental samples. <i>Chemical Engineering Journal</i> , 2017, 308, 169-176.	6.6	37
21	Occurrence of pharmaceuticals in the environmental waters: African and Asian perspectives. <i>Environmental Chemistry and Ecotoxicology</i> , 2022, 4, 50-66.	4.6	37
22	Application of activated carbon-decorated polyacrylonitrile nanofibers as an adsorbent in dispersive solid-phase extraction of fluoroquinolones from wastewater. <i>Journal of Pharmaceutical Analysis</i> , 2019, 9, 117-126.	2.4	36
23	Preconcentration of molybdenum, antimony and vanadium in gasolsine samples using Dowex 1-x8 resin and their determination with inductively coupled plasma optical emission spectrometry. <i>Talanta</i> , 2013, 110, 153-159.	2.9	35
24	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.	2.3	35
25	Adsorptive removal of microcystin-LR from surface and wastewater using tyre-based powdered activated carbon: Kinetics and isotherms. <i>Toxicol</i> , 2018, 145, 25-31.	0.8	35
26	Preparation and application of a tyre-based activated carbon solid phase extraction of heavy metals in wastewater samples. <i>Physics and Chemistry of the Earth</i> , 2018, 105, 161-169.	1.2	35
27	Nanoparticles consisting of magnetite and Al ₂ O ₃ for ligandless ultrasound-assisted dispersive solid phase microextraction of Sb, Mo and V prior to their determination by ICP-OES. <i>Mikrochimica Acta</i> , 2016, 183, 1289-1297.	2.5	34
28	Multivariate optimization of dual-bed solid phase extraction for preconcentration of Ag, Al, As and Cr in gasoline prior to inductively coupled plasma optical emission spectrometric determination. <i>Fuel</i> , 2015, 139, 285-291.	3.4	33
29	Wastewater Treatment Using Membrane Technology. , 0, , .		33
30	Preparation of V ₂ O ₅ -ZnO coated carbon nanofibers: Application for removal of selected antibiotics in environmental matrices. <i>Journal of Water Process Engineering</i> , 2018, 23, 50-60.	2.6	31
31	Microalgae as a biocathode and feedstock in anode chamber for a self-sustainable microbial fuel cell technology: A review. <i>South African Journal of Chemical Engineering</i> , 2020, 31, 7-16.	1.2	31
32	Adsorptive and photocatalytic remediation of hazardous organic chemical pollutants in aqueous medium: A review. <i>Journal of Contaminant Hydrology</i> , 2022, 248, 104019.	1.6	30
33	Adsorptive removal of lead from acid mine drainage using cobalt-methylimidazolate framework as an adsorbent: kinetics, isotherm, and regeneration. <i>Environmental Science and Pollution Research</i> , 2019, 26, 3330-3339.	2.7	29
34	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.	1.2	28
35	Microwave assisted solid phase extraction for separation preconcentration sulfamethoxazole in wastewater using tyre based activated carbon as solid phase material prior to spectrophotometric determination. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 188, 341-348.	2.0	28
36	Functionalized nanometer-sized alumina supported micro-solid phase extraction coupled to inductively coupled plasma mass spectrometry for preconcentration and determination of trace metal ions in gasoline samples. <i>RSC Advances</i> , 2014, 4, 46257-46264.	1.7	27

#	ARTICLE	IF	CITATIONS
37	An innovative microwave-assisted digestion method with diluted hydrogen peroxide for rapid extraction of trace elements in coal samples followed by inductively coupled plasma-mass spectrometry. <i>Microchemical Journal</i> , 2016, 124, 201-208.	2.3	27
38	MgO-ZnO/carbon nanofiber nanocomposite as an adsorbent for ultrasound-assisted dispersive solid-phase microextraction of carbamazepine from wastewater prior to high-performance liquid chromatographic detection. <i>Journal of Analytical Science and Technology</i> , 2019, 10, .	1.0	27
39	Recovery of gold(III) and iridium(IV) using magnetic layered double hydroxide (Fe ₃ O ₄ /Mg-Al-LDH) nanocomposite: Equilibrium studies and application to real samples. <i>Hydrometallurgy</i> , 2020, 197, 105447.	1.8	27
40	A Biodegradable Magnetic Nanocomposite as a Superabsorbent for the Simultaneous Removal of Selected Fluoroquinolones from Environmental Water Matrices: Isotherm, Kinetics, Thermodynamic Studies and Cost Analysis. <i>Polymers</i> , 2020, 12, 1102.	2.0	27
41	A Critical Review on Application of Extraction Methods Prior to Spectrometric Determination of Trace-Metals in Oily Matrices. <i>Critical Reviews in Analytical Chemistry</i> , 2022, 52, 1-18.	1.8	27
42	Evaluation of sample preparation methods for the detection of total metal content using inductively coupled plasma optical emission spectrometry (ICP-OES) in wastewater and sludge. <i>Physics and Chemistry of the Earth</i> , 2014, 76-78, 42-48.	1.2	26
43	In-Syringe Micro Solid-Phase Extraction Method for the Separation and Preconcentration of Parabens in Environmental Water Samples. <i>Molecules</i> , 2018, 23, 1450.	1.7	26
44	Application of Response Surface Methodology and Desirability Function in the Optimization of Adsorptive Remediation of Arsenic from Acid Mine Drainage Using Magnetic Nanocomposite: Equilibrium Studies and Application to Real Samples. <i>Molecules</i> , 2019, 24, 1792.	1.7	26
45	A green approach for enhancing the electrocatalytic activity and stability of NiFe ₂ O ₄ /CB nanospheres towards hydrogen production. <i>Renewable Energy</i> , 2020, 154, 704-714.	4.3	25
46	Preparation of magnetic Fe ₃ O ₄ nanocomposites modified with MnO ₂ , Al ₂ O ₃ , Au and their application for preconcentration of arsenic in river water samples. <i>Journal of Environmental Chemical Engineering</i> , 2018, 6, 1673-1681.	3.3	24
47	Evaluation of different microwave-assisted dilute acid extracting reagents on simultaneous coal desulfurization and demineralization. <i>Fuel</i> , 2016, 163, 189-195.	3.4	23
48	Determination of organophosphorus pesticides in wastewater samples using vortex-assisted dispersive liquid-liquid microextraction with liquid chromatography-mass spectrometry. <i>International Journal of Environmental Science and Technology</i> , 2020, 17, 2325-2336.	1.8	23
49	An overview on analytical methods for quantitative determination of multi-element in coal samples. <i>TrAC - Trends in Analytical Chemistry</i> , 2016, 85, 107-116.	5.8	22
50	Platinum Nanoparticles Supported on Carbon Nanodots as Anode Catalysts for Direct Alcohol Fuel Cells. <i>International Journal of Electrochemical Science</i> , 2017, 12, 6365-6378.	0.5	22
51	A Critical Review on the Synthesis and Application of Ion-Imprinted Polymers for Selective Preconcentration, Speciation, Removal and Determination of Trace and Essential Metals from Different Matrices. <i>Critical Reviews in Analytical Chemistry</i> , 2022, 52, 314-326.	1.8	22
52	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.	1.2	21
53	Magnetic iron-cobalt/silica nanocomposite as adsorbent in micro solid-phase extraction for preconcentration of arsenic in environmental samples. <i>Microchemical Journal</i> , 2016, 128, 242-247.	2.3	21
54	Uptake of trace elements by vegetable plants grown on agricultural soils: Evaluation of trace metal accumulation and potential health risk. <i>Journal of African Earth Sciences</i> , 2019, 160, 103635.	0.9	21

#	ARTICLE	IF	CITATIONS
55	Advanced Polymeric Nanocomposites for Water Treatment Applications: A Holistic Perspective. <i>Polymers</i> , 2022, 14, 2462.	2.0	21
56	Ultrasound assisted-ionic liquid-dispersive liquid-liquid microextraction for preconcentration of inorganic tellurium in environmental water samples prior to inductively coupled plasma " Optical emission spectrometry detection. <i>Journal of Molecular Liquids</i> , 2017, 231, 154-159.	2.3	20
57	Amine-functionalized magnetic activated carbon as an adsorbent for preconcentration and determination of acidic drugs in environmental water samples using HPLC-DAD. <i>Open Chemistry</i> , 2020, 18, 1218-1229.	1.0	20
58	Pt-Sn Nanoparticles Supported on Carbon Nanodots as Anode Catalysts for Alcohol Electro-oxidation in Acidic Conditions. <i>Electroanalysis</i> , 2018, 30, 1125-1132.	1.5	19
59	Synthesis of molecularly imprinted polymers for extraction of fluoroquinolones in environmental, food and biological samples. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2022, 208, 114447.	1.4	19
60	Magnetic Solid Phase Extraction Based on Nanostructured Magnetic Porous Porphyrin Organic Polymer for Simultaneous Extraction and Preconcentration of Neonicotinoid Insecticides From Surface Water. <i>Frontiers in Chemistry</i> , 2020, 8, 555847.	1.8	18
61	Cobalt/zinc based metal organic frameworks as an effective adsorbent for improved removal of As(V) and Cr(VI) in a wide pH range. <i>Journal of Materials Research and Technology</i> , 2021, 12, 1845-1855.	2.6	18
62	MnO ₂ @Reduced Graphene Oxide Nanocomposite-Based Electrochemical Sensor for the Simultaneous Determination of Trace Cd(II), Zn(II) and Cu(II) in Water Samples. <i>Membranes</i> , 2021, 11, 517.	1.4	18
63	Occurrence, Fate, Effects, and Risks of Dexamethasone: Ecological Implications Post-COVID-19. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 11291.	1.2	18
64	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.	1.3	17
65	A single-step microwave-assisted acid extraction of total sulphur in coal samples followed by ICP-OES determination. <i>Analytical Methods</i> , 2014, 6, 8505-8512.	1.3	17
66	Recent Application of Solid Phase Based Techniques for Extraction and Preconcentration of Cyanotoxins in Environmental Matrices. <i>Critical Reviews in Analytical Chemistry</i> , 2017, 47, 119-126.	1.8	17
67	Vortex assisted-supramolecular solvent based microextraction coupled with spectrophotometric determination of triclosan in environmental water samples. <i>Open Chemistry</i> , 2017, 15, 255-262.	1.0	17
68	Multi-ion imprinted polymers (MIIPs) for simultaneous extraction and preconcentration of Sb(III), Te(IV), Pb(II) and Cd(II) ions from drinking water sources. <i>Journal of Hazardous Materials</i> , 2021, 416, 126175.	6.5	17
69	Square Wave Anodic Stripping Voltammetry for Simultaneous Determination of Trace Hg (II) and Tl(I) in Surface Water Samples Using SnO ₂ @MWCNTs Modified Glassy Carbon Electrode. <i>International Journal of Electrochemical Science</i> , 2017, 12, 4811-4827.	0.5	16
70	Ultrasound-assisted dispersive solid phase nanoextraction of selected personal care products in wastewater followed by their determination using high performance liquid chromatography-diode array detector. <i>Journal of Hazardous Materials</i> , 2019, 370, 33-41.	6.5	16
71	Synthesis and Application of Fe-Doped WO ₃ Nanoparticles for Photocatalytic Degradation of Methylparaben Using Visible "Light Radiation and H ₂ O ₂ . <i>Catalysis Letters</i> , 2019, 149, 49-60.	1.4	16
72	Determination of fluoroquinolones in the environmental samples using vortex assisted dispersive liquid-liquid microextraction coupled with high performance liquid chromatography. <i>International Journal of Environmental Analytical Chemistry</i> , 2020, 100, 282-294.	1.8	16

#	ARTICLE	IF	CITATIONS
73	Magnetic Mesoporous Carbon/ β -Cyclodextrin@Chitosan Nanocomposite for Extraction and Preconcentration of Multi-Class Emerging Contaminant Residues in Environmental Samples. <i>Nanomaterials</i> , 2021, 11, 540.	1.9	16
74	Effect of nanoparticle-enriched coatings on the shelf life of Cavendish bananas. <i>Scientia Horticulturae</i> , 2022, 304, 111312.	1.7	16
75	Development of a novel and green microwave-assisted hydrogen peroxide digestion method for total sulphur quantitative extraction in coal samples prior to inductively coupled plasma-optical emission spectroscopy and ion-chromatography determination. <i>RSC Advances</i> , 2015, 5, 38931-38938.	1.7	15
76	A review on the efficacy of the application of myriad carbonaceous materials for the removal of toxic trace elements in the environment. <i>Trends in Environmental Analytical Chemistry</i> , 2017, 16, 24-31.	5.3	15
77	Ultrasound Assisted Adsorptive Removal of Cr, Cu, Al, Ba, Zn, Ni, Mn, Co and Ti from Seawater Using Fe ₂ O ₃ -SiO ₂ -PAN Nanocomposite: Equilibrium Kinetics. <i>Journal of Marine Science and Engineering</i> , 2019, 7, 133.	1.2	15
78	Preparation of ferric oxide-aluminium oxide carbon nanofiber nanocomposites for ultrasound-assisted dispersive magnetic solid phase extraction of 17-beta estradiol in wastewater. <i>Emerging Contaminants</i> , 2020, 6, 162-171.	2.2	15
79	Magnetic Fe ₃ O ₄ @Mg/Al-layered double hydroxide adsorbent for preconcentration of trace metals in water matrices. <i>Scientific Reports</i> , 2021, 11, 2302.	1.6	15
80	Two agitation routes for the adsorption of Reactive Red 120 dye on NiFe LDH/AC nanosheets from wastewater and river water. <i>Applied Clay Science</i> , 2022, 219, 106438.	2.6	15
81	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.	1.3	14
82	A rapid microwave-assisted acid extraction method based on the use of diluted HNO ₃ -H ₂ O ₂ followed by ICP-MS analysis for simultaneous determination of trace elements in coal samples. <i>International Journal of Environmental Analytical Chemistry</i> , 2015, 95, 453-465.	1.8	14
83	A review of extraction, analytical, and advanced methods for the determination of neonicotinoid insecticides in environmental water matrices. <i>Reviews in Analytical Chemistry</i> , 2021, 40, 187-203.	1.5	14
84	Combination of zeolitic imidazolate framework-67 and magnetic porous porphyrin organic polymer for preconcentration of neonicotinoid insecticides in river water. <i>Journal of Chromatography A</i> , 2022, 1661, 462685.	1.8	14
85	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.	2.6	13
86	Synthesized carbon nanodots for simultaneous extraction of personal care products and organophosphorus pesticides in wastewater samples prior to LC-MS/MS determination. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 6173-6187.	1.9	13
87	Recent Advances in Solid-Phase Extraction (SPE) Based on Molecularly Imprinted Polymers (MIPs) for Analysis of Hormones. <i>Chemosensors</i> , 2021, 9, 151.	1.8	13
88	Ultrasonic assisted magnetic solid phase extraction based on the use of magnetic waste-tyre derived activated carbon modified with methyltrioctylammonium chloride adsorbent for the preconcentration and analysis of non-steroidal anti-inflammatory drugs in wastewater. <i>Arabian Journal of Chemistry</i> , 2021, 14, 103329.	2.3	12
89	Alumina-titania (Al ₂ O ₃ -TiO ₂) hollow fiber sorptive microextraction coupled to inductively coupled plasma mass spectrometry for determination of trace elements in diesel and gasoline samples. <i>RSC Advances</i> , 2015, 5, 72500-72507.	1.7	11
90	Development of a Rapid and Simple Digestion Method of Freshwater Sediments for As, Cd, Cr, Cu, Pb, Fe, and Zn Determination by Inductively Coupled Plasma-Optical Emission Spectroscopy (ICP-OES): An Evaluation of Dilute Nitric Acid. <i>Soil and Sediment Contamination</i> , 2019, 28, 323-333.	1.1	11

#	ARTICLE	IF	CITATIONS
91	Ultrasonic assisted dispersive-solid phase extraction for preconcentration of trace metals in wastewater samples. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 108187.	3.3	11
92	Hollow fiber solid phase microextraction coupled to square wave anodic stripping voltammetry for selective preconcentration and determination of trace levels of mercury in liquid fuel samples. <i>Journal of the Iranian Chemical Society</i> , 2015, 12, 2141-2147.	1.2	10
93	Ultrasonic-Assisted Magnetic Solid-Phase Dispersive Extraction for Determination of Chlorpyrifos and Triclosan in Wastewater Samples prior to Liquid Chromatography Tandem Mass Spectrometry Detection. <i>Chromatographia</i> , 2020, 83, 373-383.	0.7	10
94	Occurrence, quantification, and adsorptive removal of nodularin in seawater, wastewater and river water. <i>Toxicon</i> , 2020, 180, 18-27.	0.8	10
95	Adsorptive Removal of Cd, Cu, Ni and Mn from Environmental Samples Using Fe ₃ O ₄ -ZrO ₂ @APS Nanocomposite: Kinetic and Equilibrium Isotherm Studies. <i>Molecules</i> , 2021, 26, 3209.	1.7	10
96	An adsorbent composed of alginate, polyvinylpyrrolidone and activated carbon (AC@PVP@alginate) for ultrasound-assisted dispersive micro-solid phase extraction of nevirapine and zidovudine in environmental water samples. <i>Environmental Nanotechnology, Monitoring and Management</i> , 2021, 16, 100559.	1.7	9
97	Simultaneous Determination of REEs in Coal Samples Using the Combination of Microwave-Assisted Ashing and Ultrasound-Assisted Extraction Methods Followed by ICP-OES Analysis. <i>Minerals (Basel)</i> , 2021, 11, 1078.	0.7	9
98	Liquid chromatographic determination of per- and polyfluoroalkyl substances in environmental river water samples. <i>Arabian Journal of Chemistry</i> , 2022, 15, 103960.	2.3	9
99	Rapid total sulphur reduction in coal samples using various dilute alkaline leaching reagents under microwave heating: preventing sulphur emissions during coal processing. <i>Environmental Science and Pollution Research</i> , 2017, 24, 19852-19858.	2.7	8
100	Pt/CNDs-TiO ₂ electrocatalyst for direct alcohol fuel cells. <i>Materials Today: Proceedings</i> , 2018, 5, 10460-10469.	0.9	8
101	Novel Z-scheme Co ₃ O ₄ /WO ₃ nanocomposite performance in adsorption and photocatalytic degradation of ethylparaben and methylene blue in water. <i>Advances in Natural Sciences: Nanoscience and Nanotechnology</i> , 2019, 10, 045018.	0.7	8
102	Evaluation of mobility, fractionation, and potential environmental risk of trace metals present in soils from Struikult gold mine dumps. <i>Journal of African Earth Sciences</i> , 2020, 172, 104008.	0.9	8
103	Assessment of bioavailability and mobility of major and trace elements in agricultural soils collected in Port St Johns, Eastern Cape, South Africa using single extraction procedures and pseudo-total digestion. <i>Journal of Environmental Health Science & Engineering</i> , 2020, 18, 1615-1628.	1.4	8
104	Exploration of a Molecularly Imprinted Polymer (MIPs) as an Adsorbent for the Enrichment of Trenbolone in Water. <i>Processes</i> , 2021, 9, 186.	1.3	8
105	Vortex-Assisted Dispersive Molecularly Imprinted Polymer-Based Solid Phase Extraction of Acetaminophen from Water Samples Prior to HPLC-DAD Determination. <i>Separations</i> , 2021, 8, 194.	1.1	8
106	Application of Ultrafiltration Membrane Technology for Removal of Dyes from Wastewater. <i>Sustainable Textiles</i> , 2022, , 37-47.	0.4	8
107	Magnetic Cellulose-Chitosan Nanocomposite for Simultaneous Removal of Emerging Contaminants: Adsorption Kinetics and Equilibrium Studies. <i>Gels</i> , 2021, 7, 190.	2.1	8
108	Environmentally friendly microwave-assisted sequential extraction method followed by ICP-OES and ion-chromatographic analysis for rapid determination of sulphur forms in coal samples. <i>Talanta</i> , 2018, 182, 567-573.	2.9	7

#	ARTICLE	IF	CITATIONS
109	Application of waste tyre-based powdered activated carbon for the adsorptive removal of cylindrospermopsin toxins from environmental matrices: Optimization using response surface methodology and desirability function. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2019, 54, 679-685.	0.9	7
110	Enhanced Adsorptive Removal of 17β -Estradiol from Aqueous and Wastewater Samples by Magnetic Nano-Akaganeite: Adsorption Isotherms, Kinetics, and Mechanism. <i>Processes</i> , 2020, 8, 1197.	1.3	7
111	Simultaneous removal of Na, Ca, K and Mg from synthetic brine and seawater using Fe ₂ O ₃ -SiO ₂ mixed oxide nanostructures: kinetics. , 0, 104, 206-216.		7
112	Bio-adsorbents for the Removal of Heavy Metals from Water. , 2018, , .		6
113	Magnetic activated carbon@ iron oxide@manganese oxide composite as an adsorbent for preconcentration of microcystin LR in surface water, tap water, water and wastewater. <i>Environmental Nanotechnology, Monitoring and Management</i> , 2018, 10, 199-205.	1.7	6
114	Cytotoxic effects of novel solvothermal synthesised Ag-doped PEGylated WO ₃ sheet-like nanocomposites on MCF-7 human breast cancer cells. <i>Journal of Nanoparticle Research</i> , 2020, 22, 1.	0.8	6
115	Recent methods used in degradation of parabens in aqueous solutions: a review. <i>International Journal of Environmental Science and Technology</i> , 2022, 19, 2139-2154.	1.8	6
116	Supramolecular Solvent Based Liquid-Liquid Microextraction for Preconcentration of Selected Fluoroquinolone Antibiotics in Environmental Water Sample Prior to High Performance Liquid Chromatographic Determination. <i>Current Analytical Chemistry</i> , 2019, 15, 607-615.	0.6	6
117	Ultrasound Assisted-Homogeneous Liquid-Liquid Phase Microextraction based on Deep Eutectic Solvents and Ethyl Acetate for Preconcentration of Selected Organochlorine Pesticides in Water Samples. <i>Eurasian Journal of Analytical Chemistry</i> , 2018, 13, .	0.4	6
118	Development of ultrasound-assisted dispersive solid-phase microextraction based on mesoporous carbon coated with silica@iron oxide nanocomposite for preconcentration of Te and Tl in natural water systems. <i>Open Chemistry</i> , 2020, 18, 412-425.	1.0	6
119	Beta-Cyclodextrin-Decorated Magnetic Activated Carbon as a Sorbent for Extraction and Enrichment of Steroid Hormones (Estrone, 17β -Estradiol, Hydrocortisone and Progesterone) for Liquid Chromatographic Analysis. <i>Molecules</i> , 2022, 27, 248.	1.7	6
120	One-Step Synthesis of a Mn-Doped Fe ₂ O ₃ /GO Core-Shell Nanocomposite and Its Application for the Adsorption of Levofloxacin in Aqueous Solution. <i>ACS Omega</i> , 2022, 7, 23302-23314.	1.6	6
121	A nanostructured o-hydroxyazobenzene porous organic polymer as an effective sorbent for the extraction and preconcentration of selected hormones and insecticides in river water. <i>Microchemical Journal</i> , 2022, 181, 107791.	2.3	6
122	Application of Scheme CdSWO ₃ Nanocomposite for Photodegradation of Ethylparaben under Irradiation with Visible Light: A Combined Experimental and Theoretical Study. <i>ChemistrySelect</i> , 2018, 3, 9845-9856.	0.7	5
123	An improved microwave assisted sequential extraction method followed by spectrometric analysis for metal distribution determination in South African coal samples. <i>Scientific Reports</i> , 2020, 10, 14841.	1.6	5
124	The importance and status of the micronutrient selenium in South Africa: a review. <i>Environmental Geochemistry and Health</i> , 2022, 44, 3703-3723.	1.8	5
125	Development of dispersive solid-phase microextraction coupled with high-pressure liquid chromatography for the preconcentration and determination of the selected neonicotinoid insecticides. <i>Journal of Analytical Science and Technology</i> , 2022, 13, .	1.0	5
126	Magnetic Ion Imprinted Polymers (MIIPs) for Selective Extraction and Preconcentration of Sb(III) from Environmental Matrices. <i>Polymers</i> , 2022, 14, 21.	2.0	5

#	ARTICLE	IF	CITATIONS
127	Effect of the Zwitterion, p(MAO-DMPA), on the Internal Structure, Fouling Characteristics, and Dye Rejection Mechanism of PVDF Membranes. <i>Membranes</i> , 2020, 10, 323.	1.4	4
128	Factorial Design Optimisation of Solid Phase Extraction for Preconcentration of Parabens in Wastewater Using Ultra-High Performance Liquid Chromatography Triple Quadrupole Mass Spectrometry. <i>Current Analytical Chemistry</i> , 2020, 16, 436-446.	0.6	4
129	Microwave-Assisted Extraction of Trace Metals from Sediments using Dilute Hydrogen Peroxide and Dilute Nitric Acid Prior to their Determination by Inductively Couple Plasma-Optical Emission Spectrometry. <i>Current Analytical Chemistry</i> , 2020, 16, 970-978.	0.6	4
130	Adsorptive removal of major and trace metal ions from synthetic saline and real seawater samples onto magnetic zeolite nanocomposite: application of multicomponent fixed-bed column adsorption. <i>Journal of the Iranian Chemical Society</i> , 2022, 19, 2949-2961.	1.2	4
131	Application of response surface methodology for simultaneous removal of major cations from seawater using metal oxide nanostructures. <i>Water S A</i> , 2020, 46, .	0.2	3
132	Seasonal Variation of Drinking Water Quality and Human Health Risk Assessment: A Case Study in Rural Village of the Eastern Cape, South Africa. <i>Water (Switzerland)</i> , 2022, 14, 2013.	1.2	3
133	Quantification of TiO ₂ and ZnO nanoparticles in wastewater using inductively coupled plasma optical emission spectrometry. <i>Toxicological and Environmental Chemistry</i> , 2019, 101, 204-214.	0.6	2
134	Recovery of Palladium and Gold from PGM Ore and Concentrate Leachates Using Fe ₃ O ₄ @SiO ₂ @Mg-Al-LDH Nanocomposite. <i>Minerals (Basel, Switzerland)</i> , 2021, 11, 917.	0.8	2
135	Exploring the Iron Oxide Functionalized Biobased Carbon-silica-polyethyleneimine Composites for Hexavalent Chromium Removal from Dilute Aqueous Solutions. <i>Water (Switzerland)</i> , 2021, 13, 3081.	1.2	2
136	Indirect Amperometric Determination of Selected Heavy Metals Based on Horseradish Peroxidase Modified Electrodes. , 0, , .		1
137	Multivariate-Assisted Solid Phase Extraction Procedure for Simultaneous Preconcentration and Assessment of UV-Filters in Wastewater Prior to UV-Vis Spectrophotometric Determination. , 2018, , .		1
138	Recent Advances in the Application of Greener Solvents for Extraction, Recovery and Dissolution of Precious Metals and Rare Earth Elements from Different Matrices. <i>Nanotechnology in the Life Sciences</i> , 2020, , 299-309.	0.4	1
139	Near-Infrared Spectroscopy Combined with Multivariate Tools for Analysis of Trace Metals in Environmental Matrices. , 0, , .		0
140	Speciation Analysis of Inorganic Sb, Se and Te in Environmental Samples Using Modified TiO ₂ @MWCNTs Nanocomposite Packed Microcolumn prior to Hydride Generation-Inductively Coupled Plasma Optical Emission Spectrometry (HG-ICP-OES). , 2018, , 185-200.		0
141	Platinum-Based Carbon Nanodots Nanocatalysts for Direct Alcohol Fuel Cells. , 2019, , .		0
142	MoS ₂ @NiFe ₂ O ₄ /CB Hybrid As a Bifunctional Electrocatalyst for Water Splitting. <i>ECS Meeting Abstracts</i> , 2020, MA2020-01, 1581-1581.	0.0	0
143	Application of response surface methodology for simultaneous removal of major cations from seawater using metal oxide nanostructures. <i>Water S A</i> , 2020, 46, .	0.2	0