Luke Chimuka

List of Publications by Year
in descending order

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150 papers	4,482 citations	101384 36 h-index	143772 57 g-index
151 all docs	151 docs citations	151 times ranked	4497 citing authors

#	Article	IF	Citations
1	On-Line Solid-Phase Extraction of Triazine Herbicides Using a Molecularly Imprinted Polymer for Selective Sample Enrichment. Analytical Chemistry, 1999, 71, 2152-2156.	3.2	182
2	Status of pharmaceuticals in African water bodies: Occurrence, removal and analytical methods. Journal of Environmental Management, 2017, 193, 211-220.	3.8	168
3	Uptake of pharmaceuticals by plants grown under hydroponic conditions and natural occurring plant species: A review. Science of the Total Environment, 2018, 636, 477-486.	3.9	154
4	Determination of ibuprofen, naproxen and diclofenac in aqueous samples using a multi-template molecularly imprinted polymer as selective adsorbent for solid-phase extraction. Journal of Pharmaceutical and Biomedical Analysis, 2016, 128, 210-215.	1.4	126
5	Recent developments and applications of QuEChERS based techniques on food samples during pesticide analysis. Journal of Food Composition and Analysis, 2019, 84, 103314.	1.9	111
6	Applications of molecularly imprinted polymers for solid-phase extraction of non-steroidal anti-inflammatory drugs and analgesics from environmental waters and biological samples. Journal of Pharmaceutical and Biomedical Analysis, 2018, 147, 624-633.	1.4	108
7	Comparative analyses of flavonoid content in Moringa oleifera and Moringa ovalifolia with the aid of UHPLC-qTOF-MS fingerprinting. South African Journal of Botany, 2016, 105, 116-122.	1.2	103
8	Hospital solid waste management practices in Limpopo Province, South Africa: A case study of two hospitals. Waste Management, 2008, 28, 1236-1245.	3.7	98
9	Occurrence of naproxen, ibuprofen, and diclofenac residues in wastewater and river water of KwaZulu-Natal Province in South Africa. Environmental Monitoring and Assessment, 2017, 189, 348.	1.3	97
10	Contaminants of emerging concern in the Hartbeespoort Dam catchment and the uMngeni River estuary 2016 pollution incident, South Africa. Science of the Total Environment, 2018, 627, 1008-1017.	3.9	96
11	Analysis, occurrence and removal of pharmaceuticals in African water resources: A current status. Journal of Environmental Management, 2020, 253, 109741.	3.8	93
12	Adsorbents and removal strategies of non-steroidal anti-inflammatory drugs from contaminated water bodies. Journal of Environmental Chemical Engineering, 2019, 7, 103142.	3.3	90
13	Environmental fate and ecotoxicological effects of antiretrovirals: A current global status and future perspectives. Water Research, 2018, 145, 231-247.	5.3	84
14	Recent advances in the adsorbents for isolation of polycyclic aromatic hydrocarbons (PAHs) from environmental sample solutions. TrAC - Trends in Analytical Chemistry, 2018, 99, 101-116.	5.8	81
15	Synthesis, adsorption and selectivity studies of a polymer imprinted with naproxen, ibuprofen and diclofenac. Journal of Environmental Chemical Engineering, 2016, 4, 4029-4037.	3.3	75
16	Incomplete Trapping in Supported Liquid Membrane Extraction with a Stagnant Acceptor for Weak Bases. Analytical Chemistry, 1998, 70, 3906-3911.	3.2	72
17	Determination of naproxen, ibuprofen and triclosan in wastewater using the polar organic chemical integrative sampler (POCIS): A laboratory calibration and field application. Water S A, 2014, 40, 407.	0.2	65
18	Development of pressurised hot water extraction (PHWE) for essential compounds from Moringa oleifera leaf extracts. Food Chemistry, 2015, 172, 423-427.	4.2	65

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19	Advances in sample preparation using membrane-based liquid-phase microextraction techniques. TrAC - Trends in Analytical Chemistry, 2011, 30, 1781-1792.	5.8	64
20	Comparison of antioxidant activity of Moringa oleifera and selected vegetables in South Africa. South African Journal of Science, 2013, 109, 5.	0.3	60
21	Green aspects in molecular imprinting technology: From design to environmental applications. Trends in Environmental Analytical Chemistry, 2018, 17, 14-22.	5.3	59
22	Simultaneous determination of naproxen, ibuprofen and diclofenac in wastewater using solid-phase extraction with high performance liquid chromatography. Water S A, 2017, 43, 264.	0.2	58
23	Synthesis and application of a molecularly imprinted polymer in the solid-phase extraction of ketoprofen from wastewater. Comptes Rendus Chimie, 2017, 20, 585-591.	0.2	57
24	Why liquid membrane extraction is an attractive alternative in sample preparation. Pure and Applied Chemistry, 2004, 76, 707-722.	0.9	52
25	Selective extraction of triazine herbicides based on a combination of membrane assisted solvent extraction and molecularly imprinted solid phase extraction. Journal of Chromatography A, 2011, 1218, 647-653.	1.8	51
26	Determination of selected antiretroviral drugs in wastewater, surface water and aquatic plants using hollow fibre liquid phase microextraction and liquid chromatography - tandem mass spectrometry. Journal of Hazardous Materials, 2020, 382, 121067.	6.5	49
27	Selective extraction of triazine herbicides from food samples based on a combination of a liquid membrane and molecularly imprinted polymers. Journal of Chromatography A, 2009, 1216, 6796-6801.	1.8	47
28	Assessment of heavy metals in raw food samples from open markets in two African cities. Chemosphere, 2018, 196, 339-346.	4.2	47
29	Effects of environmentally relevant sub-chronic atrazine concentrations on African clawed frog (Xenopus laevis) survival, growth and male gonad development. Aquatic Toxicology, 2018, 199, 1-11.	1.9	43
30	Role of octanolâ€“water partition coefficients in extraction of ionisable organic compounds in a supported liquid membrane with a stagnant acceptor. Analytica Chimica Acta, 2000, 416, 77-86.	2.6	42
31	Experimental and theoretical study of molecular interactions between 2-vinyl pyridine and acidic pharmaceuticals used as multi-template molecules in molecularly imprinted polymer. Reactive and Functional Polymers, 2016, 103, 33-43.	2.0	42
32	Synthesis and characterization of a molecularly imprinted polymer for the isolation of the 16 US-EPA priority polycyclic aromatic hydrocarbons (PAHs) in solution. Journal of Environmental Management, 2017, 199, 192-200.	3.8	42
33	Molecularly imprinted polymers targeting quercetin in high-temperature aqueous solutions. Journal of Chromatography A, 2012, 1230, 15-23.	1.8	41
34	Synthesis, adsorption and selectivity studies of N-propyl quaternized magnetic poly(4-vinylpyridine) for hexavalent chromium. Talanta, 2013, 116, 670-677.	2.9	41
35	Critical parameters in a supported liquid membrane extraction technique for ionizable organic compounds with a stagnant acceptor phase. Journal of Chromatography A, 2010, 1217, 2318-2325.	1.8	39
36	Use of the ChemcatcherÂ® passive sampler and time-of-flight mass spectrometry to screen for emerging pollutants in rivers in Gauteng Province of South Africa. Environmental Monitoring and Assessment, 2019, 191, 388.	1.3	39

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37	Automated liquid membrane extraction and trace enrichment of triazine herbicides and their metabolites in environmental and biological samples. Journal of Separation Science, 2001, 24, 567-576.	1.3	38
38	Extraction and preconcentration of manganese(II) from biological fluids (water, milk and blood) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 70 485, 25-35.	2.6	36
39	Seasonal variation of chloro-s-triazines in the Hartbeespoort Dam catchment, South Africa. Science of the Total Environment, 2018, 613-614, 472-482.	3.9	34
40	Blombos Cave: Middle Stone Age ochre differentiation through FTIR, ICP OES, ED XRF and XRD. Quaternary International, 2016, 404, 20-29.	0.7	33
41	The Recovery of Rare Earth Elements (REEs) from Aqueous Solutions Using Natural Zeolite and Bentonite. Water, Air, and Soil Pollution, 2019, 230, 1.	1.1	33
42	Pharmaceuticals and their metabolites in the marine environment: Sources, analytical methods and occurrence. Trends in Environmental Analytical Chemistry, 2020, 28, e00104.	5.3	33
43	Application of molecularly imprinted polymer designed for the selective extraction of ketoprofen from wastewater. Water S A, 2018, 44, .	0.2	31
44	Determination of naproxen, diclofenac and ibuprofen in Umgeni estuary and seawater: A case of northern Durban in KwaZuluâ€“Natal Province of South Africa. Regional Studies in Marine Science, 2019, 29, 100675.	0.4	30
45	Recent Developments in Selective Materials for Solid Phase Extraction. Chromatographia, 2019, 82, 1171-1189.	0.7	29
46	Potential of combining of liquid membranes and molecularly imprinted polymers in extraction of 17Î²â€estradiol from aqueous samples. Journal of Separation Science, 2009, 32, 1941-1948.	1.3	28
47	Molecular imprinted polymer for solidâ€phase extraction of flavonol aglycones from <scp>M</scp>oringa oleifera extracts. Journal of Separation Science, 2013, 36, 548-555.	1.3	28
48	Synthesis, characterization and optimization of poly(p-phenylenediamine)-based organoclay composite for Cr(VI) remediation. Applied Clay Science, 2017, 139, 72-80.	2.6	28
49	Selective Extraction of Cannabinoid Compounds from Cannabis Seed Using Pressurized Hot Water Extraction. Molecules, 2020, 25, 1335.	1.7	28
50	Radioactive disequilibrium and geochemical modelling as evidence of uranium leaching from gold tailings dumps in the Witwatersrand Basin. International Journal of Environmental Analytical Chemistry, 2009, 89, 687-703.	1.8	27
51	Application of supported liquid membrane probe for extraction and preconcentration of organotin compounds from environmental water samples. Analytica Chimica Acta, 2004, 523, 141-147.	2.6	26
52	The Effect of Temperature on Pressurised Hot Water Extraction of Pharmacologically Important Metabolites as Analysed by UPLC-qTOF-MS and PCA. Evidence-based Complementary and Alternative Medicine, 2014, 2014, 1-9.	0.5	26
53	Preparation, characterization and application of NaHCO3 leached bulk U(VI) imprinted polymers endowed with Î³-MPS coated magnetite in contaminated water. Journal of Hazardous Materials, 2014, 267, 221-228.	6.5	25
54	Application of Hollow Fibre-Liquid Phase Microextraction Technique for Isolation and Pre-Concentration of Pharmaceuticals in Water. Membranes, 2020, 10, 311.	1.4	25

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55	First biomonitoring of microplastic pollution in the Vaal river using Carp fish (Cyprinus carpio) â€œas a bio-indicatorâ€• Science of the Total Environment, 2022, 836, 155623.	3.9	25
56	Metal and flavonol contents of Moringa oleifera grown in South Africa. South African Journal of Science, 2013, 109, 7.	0.3	24
57	Assessment of organochlorine pesticide residues in raw food samples from open markets in two African cities. Chemosphere, 2016, 164, 480-487.	4.2	24
58	Membrane assisted passive sampler for triazine compounds in water bodiesâ€"Characterization of environmental conditions and field performance. Analytica Chimica Acta, 2011, 694, 75-82.	2.6	23
59	UPLC-qTOF-MS profiling of pharmacologically important chlorogenic acids and associated glycosides in Moringa ovalifolia leaf extracts. South African Journal of Botany, 2017, 108, 193-199.	1.2	23
60	Development of a single format membrane assisted solvent extraction-molecularly imprinted polymer technique for extraction of polycyclic aromatic hydrocarbons in wastewater followed by gas chromatography mass spectrometry determination. Journal of Chromatography A, 2018, 1569, 36-43.	1.8	23
61	Optimization of Pressurized Hot Water Extraction of Flavonoids from Momordica foetida Using UHPLC-qTOF-MS and Multivariate Chemometric Approaches. Food Analytical Methods, 2016, 9, 1480-1489.	1.3	22
62	Development and optimisation of a novel threeâ€‐way extraction technique based on a combination of Soxhlet extraction, membrane assisted solvent extraction and a molecularly imprinted polymer using sludge polycyclic aromatic hydrocarbons as model compounds. Journal of Separation Science, 2018, 41, 918-928.	1.3	21
63	Supported-liquid membrane extraction as a selective sample preparation technique for monitoring uranium in complex matrix samples. Journal of Separation Science, 2003, 26, 601-608.	1.3	20
64	Influence of temperature on mass transfer in an incomplete trapping supported liquid membrane extraction of triazole fungicides. Journal of Separation Science, 2009, 32, 1043-1050.	1.3	20
65	Investigating the temporal trends in PAH, PCB and OCP concentrations in Hartbeespoort Dam, South Africa, using semipermeable membrane devices (SPMDs). Water S A, 2014, 40, 425.	0.2	20
66	Modeling of adsorption isotherms and kinetics of uranium sorption by magnetic ion imprinted polymers. Toxicological and Environmental Chemistry, 2016, 98, 1-12.	0.6	20
67	Sample preparation using liquid membrane extraction techniques. Water S A, 2018, 34, 421.	0.2	20
68	Ultrahigh-pressure supercritical fluid extraction and chromatography of Moringa oleifera and Moringa peregrina seed lipids. Analytical and Bioanalytical Chemistry, 2019, 411, 3685-3693.	1.9	20
69	Optimization and application of hollow fiber liquid-phase microextraction and microwave-assisted extraction for the analysis of non-steroidal anti-inflammatory drugs in aqueous and plant samples. Environmental Monitoring and Assessment, 2020, 192, 557.	1.3	20
70	Technical design and optimisation of polymer inclusion membranes (PIMs) for sample pre-treatment and passive sampling â€“ A review. Science of the Total Environment, 2021, 799, 149483.	3.9	20
71	Speciation of mercury in South African coals. Toxicological and Environmental Chemistry, 2012, 94, 1688-1706.	0.6	19
72	The recovery of Platinum (IV) from aqueous solutions by hydrazine-functionalised zeolite. Minerals Engineering, 2019, 131, 304-312.	1.8	19

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73	Synthesis and characterization of a magnetic nanosorbent modified with Moringa oleifera leaf extracts for removal of nitroaromatic explosive compounds in water samples. Journal of Environmental Chemical Engineering, 2019, 7, 103128.	3.3	19
74	An initial assessment of naproxen, ibuprofen and diclofenac in Ladysmith water resources in South Africa using molecularly imprinted solid-phase extraction followed by high performance liquid chromatography-photodiode array detection. South African Journal of Chemistry, 2017, 70, .	0.3	19
75	Development and application of microwave assisted extraction (MAE) for the extraction of five polycyclic aromatic hydrocarbons in sediment samples in Johannesburg area, South Africa. Environmental Monitoring and Assessment, 2013, 185, 5537-5550.	1.3	18
76	Polymeric sorbents for removal of Cr(VI) from environmental samples. Pure and Applied Chemistry, 2013, 85, 2145-2160.	0.9	18
77	Source characterisation and distribution of selected PCBs, PAHs and alkyl PAHs in sediments from the Klip and Jukskei Rivers, South Africa. Environmental Monitoring and Assessment, 2017, 189, 327.	1.3	18
78	Temperature-Dependence of Supported-Liquid-Membrane Extraction. Journal of High Resolution Chromatography, 1999, 22, 417-420.	2.0	17
79	The potential ofBerkheya coddiifor phytoextraction of nickel, platinum, and palladium contaminated sites. Toxicological and Environmental Chemistry, 2006, 88, 175-185.	0.6	17
80	Simple and efficient ion imprinted polymer for recovery of uranium from environmental samples. Water Science and Technology, 2012, 65, 728-736.	1.2	17
81	Sequestration of U(VI) from aqueous solutions using precipitate ion imprinted polymers endowed with oleic acid functionalized magnetite. Journal of Radioanalytical and Nuclear Chemistry, 2015, 304, 933-943.	0.7	17
82	Miniaturized pipetteâ€tipâ€based electrospun polyacrylonitrile nanofibers for the microâ€solidâ€phase extraction of nitroâ€based explosive compounds. Journal of Separation Science, 2016, 39, 4819-4827.	1.3	17
83	Evaluation of silver nanocomposite polymer inclusion membranes (PIMs) for trace metal transports: Selectivity and stability studies. Journal of Water Process Engineering, 2020, 37, 101527.	2.6	17
84	Multivariate optimization of a two-way technique for extraction of pharmaceuticals in surface water using a combination of membrane assisted solvent extraction and a molecularly imprinted polymer. Chemosphere, 2022, 286, 131973.	4.2	17
85	Enzyme flow immunoassay using a Protein G column for the screening of triazine herbicides in surface and waste water. Analytica Chimica Acta, 2001, 426, 197-207.	2.6	16
86	Hollow-Fibre Liquid-Phase Microextraction for the Determination of Polycyclic Aromatic Hydrocarbons in Johannesburg Jukskei River, South Africa. Chromatographia, 2013, 76, 427-436.	0.7	16
87	Assessment of bioavailable fraction of POPS in surface water bodies in Johannesburg City, South Africa, using passive samplers: an initial assessment. Environmental Monitoring and Assessment, 2014, 186, 5639-5653.	1.3	16
88	Adsorption of phosphates using transition metals-modified bentonite clay. Separation Science and Technology, 2019, 54, 2397-2408.	1.3	16
89	Mercury accumulation and biotransportation in wetland biota affected by gold mining. Environmental Monitoring and Assessment, 2019, 191, 186.	1.3	16
90	Synthesis, characterization and application of a molecularly imprinted polymer as an adsorbent for solid-phase extraction of selected pharmaceuticals from water samples. Polymer Bulletin, 2022, 79, 1287-1307.	1.7	16

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91	Extraction and preconcentration of Cr(VI) from urine using supported liquid membrane. Analytica Chimica Acta, 2002, 474, 59-68.	2.6	15
92	Characterization of cyanide in a natural stream impacted by gold mining activities in the Witwatersrand Basin, South Africa. Toxicological and Environmental Chemistry, 2012, 94, 7-19.	0.6	15
93	Application of raw and biochared Moringa oleifera seed powder for the removal of nitrobenzene from aqueous solutions. Desalination and Water Treatment, 2016, 57, 25551-25560.	1.0	15
94	Application of magnetic molecularly imprinted polymers for the solid phase extraction of selected nitroaromatic compounds from contaminated aqueous environments. Separation Science and Technology, 2017, 52, 467-475.	1.3	15
95	Optimization and Characterization of Cladophora sp. Alga Immobilized in Alginate Beads and Silica Gel for the Biosorption of Mercury from Aqueous Solutions. Water, Air, and Soil Pollution, 2018, 229, 1.	1.1	15
96	Cardiotoxicity in African clawed frog (Xenopus laevis) sub-chronically exposed to environmentally relevant atrazine concentrations: Implications for species survival. Aquatic Toxicology, 2019, 213, 105218.	1.9	15
97	Technical development and optimisation of a passive sampler based on polymer inclusion membrane for uptake of copper, nickel, cobalt and cadmium in surface waters. Environmental Technology and Innovation, 2020, 19, 100939.	3.0	15
98	URANIUM CONCENTRATIONS IN SOUTH AFRICAN HERBAL REMEDIES. Health Physics, 2005, 89, 679-683.	0.3	14
99	Speciation of alkyllead in aqueous samples with application of liquid membrane probe for extraction and preconcentration. Journal of Separation Science, 2007, 30, 2754-2759.	1.3	14
100	Distribution of 2,3,7,8-substituted polychlorinated dibenzo-p-dioxin and polychlorinated dibenzofurans in the Jukskei and Klip/Vaal catchment areas in South Africa. Chemosphere, 2016, 145, 314-321.	4.2	14
101	Trophic status of Vondo and Albasini Dams; impacts on aquatic ecosystems and drinking water. International Journal of Environmental Science and Technology, 2012, 9, 203-218.	1.8	13
102	Optimization of the Temperature for the Extraction of Pharmaceuticals from Wastewater by a Hollow Fiber Silicone Membrane. Analytical Letters, 2015, 48, 2343-2356.	1.0	13
103	Measuring the recovery of the Northern Benguela Current Large Marine Ecosystem (BCLME): An application of the DPSIR framework. Ocean and Coastal Management, 2016, 119, 227-233.	2.0	13
104	Variation in pharmacologically potent rutinoside-bearing flavonoids amongst twelve Moringa oleifera Lam. cultivars. South African Journal of Botany, 2017, 112, 270-274.	1.2	13
105	Removal of platinum (IV) from aqueous solutions with yeast-functionalised bentonite. Chemosphere, 2020, 239, 124768.	4.2	13
106	Solid-phase optimisation for simultaneous determination of thirteen pharmaceuticals in Ethiopian water samples with HPLC-DAD detection: an initial assessment. Environmental Monitoring and Assessment, 2021, 193, 310.	1.3	13
107	Mercury speciation and dispersion from an active gold mine at the West Wits area, South Africa. Environmental Monitoring and Assessment, 2016, 188, 47.	1.3	12
108	Green pre-concentration techniques during pesticide analysis in food samples. Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes, 2019, 54, 770-780.	0.7	12

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109	Solid phase extraction technique as a general field of application of molecularly imprinted polymer materials. Comprehensive Analytical Chemistry, 2019, 86, 41-76.	0.7	12
110	Trace Detection and Quantitation of Antibiotics in a South African Stream Receiving Wastewater Effluents and Municipal Dumpsite Leachates. Frontiers in Environmental Science, 2021, 9, .	1.5	12
111	Target and Suspect Screening of Pharmaceuticals and their Transformation Products in the Klip River, South Africa, using Ultraâ€Highâ€“Performance Liquid Chromatographyâ€“Mass Spectrometry. Environmental Toxicology and Chemistry, 2022, 41, 437-447.	2.2	12
112	Sample preparation for chromatography: An African perspective. Journal of Chromatography A, 2007, 1153, 1-13.	1.8	11
113	Evaluating the quality of communities made compost manure in South Africa: A case study of content and sources of metals in compost manure from Thulamela Municipality, Limpopo province. Bioresource Technology, 2008, 99, 1491-1496.	4.8	11
114	Influence of temperature on mass transfer in an incomplete trapping single hollow fibre supported liquid membrane extraction of triazole fungicides. Analytica Chimica Acta, 2009, 632, 86-92.	2.6	11
115	Extraction of explosive compounds from aqueous solutions by solid phase extraction using Î²-cyclodextrin functionalized carbon nanofibers as sorbents. Journal of Environmental Chemical Engineering, 2016, 4, 2450-2457.	3.3	11
116	Multivariate optimization of the hollow fibre liquid phase microextraction of muscimol in human urine samples. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2016, 1033-1034, 372-381.	1.2	11
117	Status of PAHs in Environmental Compartments of South Africa: A Country Report. Polycyclic Aromatic Compounds, 2016, 36, 376-394.	1.4	11
118	Sulphates removal from AMD using CFA hydrothermally treated zeolites in column studies. Minerals Engineering, 2019, 141, 105851.	1.8	11
119	Seasonal distribution and speciation of mercury in a gold mining area, north-west province, South Africa. Toxicological and Environmental Chemistry, 2014, 96, 387-402.	0.6	10
120	Coagulation efficiency of <i>Dicerocaryum eriocarpum</i> (DE) plant. Water S A, 2017, 43, 1.	0.2	10
121	The chemistry of Cr(VI) adsorption on to poly(p-phenylenediamine) adsorbent. Water Science and Technology, 2018, 78, 2481-2488.	1.2	10
122	Green chemistry features in molecularly imprinted polymers preparation process. Comprehensive Analytical Chemistry, 2019, , 337-364.	0.7	10
123	Performance evaluation of polypyrroleâ€“montmorillonite clay composite as a re-usable adsorbent for Cr(VI) remediation. Polymer Bulletin, 2021, 78, 4685-4697.	1.7	10
124	Synthesis of bulk ion-imprinted polymers (IIPs) embedded with oleic acid coated Fe₃O₄ for selective extraction of hexavalent uranium. Water S A, 2014, 40, 623.	0.2	9
125	Recovery of Pd(II), Ir(III) and Rh(III) from aqueous solutions with Brewerâ€™s Yeast-functionalised bentonite. Minerals Engineering, 2020, 145, 106101.	1.8	9
126	Z-sep+ based QuEChERS technique for the pre-concentration of malathion pesticide in fruits followed by analysis using UV-Vis spectroscopy. Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment, 2020, 37, 2093-2108.	1.1	9

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127	Molecularly imprinted polymer for adsorption of venlafaxine, albendazole, ciprofloxacin and norfloxacin in aqueous environment. Separation Science and Technology, 2021, 56, 2217-2231.	1.3	9
128	Organ-specific bioaccumulation of PCBs and PAHs in African sharptooth catfish (Clarias gariepinus) and common carp (Cyprinus carpio) from the Hartbeespoort Dam, South Africa. Environmental Monitoring and Assessment, 2019, 191, 700.	1.3	8
129	In Situ Decarboxylation-Pressurized Hot Water Extraction for Selective Extraction of Cannabinoids from Cannabis sativa. Chemometric Approach. Molecules, 2021, 26, 3343.	1.7	7
130	Batch and flow-through column adsorption study: recovery of Pt4+ from aqueous solutions by 3-aminopropyl(diethoxy)methylsilane functionalised zeolite (APDEMSFZ). Environment, Development and Sustainability, 2021, 23, 7041-7062.	2.7	6
131	Performance optimization of a membrane assisted passive sampler for monitoring of ionizable organic compounds in water. Journal of Environmental Monitoring, 2008, 10, 129-135.	2.1	5
132	Prediction of extraction efficiency in supported liquid membrane with a stagnant acceptor phase by means of artificial neural network. Journal of Separation Science, 2013, 36, 986-991.	1.3	5
133	Equilibrium and kinetic studies on the adsorption of humic acid onto cellulose and powdered activated carbon. Desalination and Water Treatment, 0, , 1-12.	1.0	4
134	Selective adsorption of uranium (VI) on NaHCO3 leached composite Î³-Methacryloxypropyltrimethoxysilane coated magnetic Ion-imprinted polymers prepared by precipitation polymerization. South African Journal of Chemistry, 2015, 68, .	0.3	4
135	Selective pressurized hot water extraction of nutritious macro-nutrients vs. micro-nutrients in Moringa oleifera leavesâ€"a chemometric approach. Analytical and Bioanalytical Chemistry, 2020, 412, 2495-2503.	1.9	4
136	Application of Membrane-Based Extraction Techniques to Food and Agricultural Samples. ACS Symposium Series, 2006, , 149-162.	0.5	3
137	QuEChERS method development for bio-monitoring of low molecular weight polycyclic aromatic hydrocarbons in South African carp fish using hplc-fluorescence: An initial assessment. South African Journal of Chemistry, 2016, 69, .	0.3	3
138	Evaluation of the performance of rural wastewater treatment plants using chemical measurements in combination with statistical techniques: a case study. Toxicological and Environmental Chemistry, 2011, 93, 1123-1134.	0.6	2
139	Verification of nitrous oxide primary standard gas mixtures by gas chromatography and cavity ring-down spectroscopy for ambient measurements in South Africa. Accreditation and Quality Assurance, 2019, 24, 203-214.	0.4	2
140	Physicochemical characterization of the pelotherapeutic and balneotherapeutic clayey soils and natural spring water at Isinuka traditional healing spa in the Eastern Cape Province of South Africa. Science of the Total Environment, 2020, 717, 137284.	3.9	2
141	Development and evaluation of a DGT sampler using functionalised cross-linked polyethyleimine for the monitoring of arsenic and selenium in mine impacted wetlands. Chemosphere, 2021, 266, 128975.	4.2	2
142	Metal pollution source apportionment in two important Rivers of Eastern Cape Province, South Africa: a case study of Bizana and Mthatha Rivers. Environmental Forensics, 2023, 24, 71-84.	1.3	2
143	Survey of bioavailable PCDDs, PCDFs, dioxin-like PCBs, and PBBs in air, water, and sediment media using semipermeable membrane devices (SPMDs) deployed in the Hartbeespoort Dam area, South Africa. Environmental Monitoring and Assessment, 2022, 194, 117.	1.3	2
144	Pharmaceuticals and personal care products. , 2022, , 171-190.		2

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145	Preparation of magnetic nanocomposite beads and optimizing the conditions for effective removal of U(VI) from aqueous solutions. Toxicological and Environmental Chemistry, 2014, 96, 998-1011.	0.6	1
146	Recovery of Pt(IV) from aqueous solutions by spent brewer's yeastâ€functionalized zeolite (SBYFZ): A batch and column study. Environmental Progress and Sustainable Energy, 2021, 40, .	1.3	1
147	Adsorption and desorption of tetraalkyllead and dibutyltin compounds on contaminated soils. Toxicological and Environmental Chemistry, 2010, 92, 1613-1626.	0.6	0
148	Ligand-based poly(phenylenediamine) adsorbents for enhanced removal of phosphate from water. Polymer Bulletin, 0, , 1.	1.7	0
149	Comparative study of different column types for the separation of polar basic hallucinogenic alkaloids. South African Journal of Chemistry, 2016, 69, .	0.3	0
150	Trends in Innovations and Recent Advances in Membrane Protected Extraction Techniques for Organics in Complex Samples.. Critical Reviews in Analytical Chemistry, 2021, , 1-12.	1.8	0