

# 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	Metal pollution source apportionment in two important Rivers of Eastern Cape Province, South Africa: a case study of Bizana and Mthatha Rivers. <i>Environmental Forensics</i> , 2023, 24, 71-84.	1.3	2
2	Synthesis, characterization and application of a molecularly imprinted polymer as an adsorbent for solid-phase extraction of selected pharmaceuticals from water samples. <i>Polymer Bulletin</i> , 2022, 79, 1287-1307.	1.7	16
3	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. <i>Chemosphere</i> , 2022, 286, 131973.	4.2	17
4	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. <i>Environmental Monitoring and Assessment</i> , 2022, 194, 117.	1.3	2
5	Target and Suspect Screening of Pharmaceuticals and their Transformation Products in the Klip River, South Africa, using Ultra-High-Performance Liquid Chromatography-Mass Spectrometry. <i>Environmental Toxicology and Chemistry</i> , 2022, 41, 437-447.	2.2	12
6	Pharmaceuticals and personal care products. , 2022, , 171-190.		2
7	First biomonitoring of microplastic pollution in the Vaal river using Carp fish ( <i>Cyprinus carpio</i> ) as a bio-indicator. <i>Science of the Total Environment</i> , 2022, 836, 155623.	3.9	25
8	Recovery of Pt(IV) from aqueous solutions by spent brewer's yeast-functionalized zeolite (SBYFZ): A batch and column study. <i>Environmental Progress and Sustainable Energy</i> , 2021, 40, .	1.3	1
9	Batch and flow-through column adsorption study: recovery of Pt <sup>4+</sup> from aqueous solutions by 3-aminopropyl(diethoxy)methylsilane functionalised zeolite (APDEMSFZ). <i>Environment, Development and Sustainability</i> , 2021, 23, 7041-7062.	2.7	6
10	Molecularly imprinted polymer for adsorption of venlafaxine, albendazole, ciprofloxacin and norfloxacin in aqueous environment. <i>Separation Science and Technology</i> , 2021, 56, 2217-2231.	1.3	9
11	Development and evaluation of a DGT sampler using functionalised cross-linked polyethyleneimine for the monitoring of arsenic and selenium in mine impacted wetlands. <i>Chemosphere</i> , 2021, 266, 128975.	4.2	2
12	Performance evaluation of polypyrrole-montmorillonite clay composite as a re-usable adsorbent for Cr(VI) remediation. <i>Polymer Bulletin</i> , 2021, 78, 4685-4697.	1.7	10
13	Solid-phase optimisation for simultaneous determination of thirteen pharmaceuticals in Ethiopian water samples with HPLC-DAD detection: an initial assessment. <i>Environmental Monitoring and Assessment</i> , 2021, 193, 310.	1.3	13
14	In Situ Decarboxylation-Pressurized Hot Water Extraction for Selective Extraction of Cannabinoids from Cannabis sativa. <i>Chemometric Approach. Molecules</i> , 2021, 26, 3343.	1.7	7
15	Trace Detection and Quantitation of Antibiotics in a South African Stream Receiving Wastewater Effluents and Municipal Dumpsite Leachates. <i>Frontiers in Environmental Science</i> , 2021, 9, .	1.5	12
16	Technical design and optimisation of polymer inclusion membranes (PIMs) for sample pre-treatment and passive sampling – A review. <i>Science of the Total Environment</i> , 2021, 799, 149483.	3.9	20
17	Trends in Innovations and Recent Advances in Membrane Protected Extraction Techniques for Organics in Complex Samples.. <i>Critical Reviews in Analytical Chemistry</i> , 2021, , 1-12.	1.8	0
18	Removal of platinum (IV) from aqueous solutions with yeast-functionalised bentonite. <i>Chemosphere</i> , 2020, 239, 124768.	4.2	13

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19	Determination of selected antiretroviral drugs in wastewater, surface water and aquatic plants using hollow fibre liquid phase microextraction and liquid chromatography - tandem mass spectrometry. <i>Journal of Hazardous Materials</i> , 2020, 382, 121067.	6.5	49
20	Recovery of Pd(II), Ir(III) and Rh(III) from aqueous solutions with Brewer's Yeast-functionalised bentonite. <i>Minerals Engineering</i> , 2020, 145, 106101.	1.8	9
21	Analysis, occurrence and removal of pharmaceuticals in African water resources: A current status. <i>Journal of Environmental Management</i> , 2020, 253, 109741.	3.8	93
22	Z-sep+ based QuEChERS technique for the pre-concentration of malathion pesticide in fruits followed by analysis using UV-Vis spectroscopy. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2020, 37, 2093-2108.	1.1	9
23	Pharmaceuticals and their metabolites in the marine environment: Sources, analytical methods and occurrence. <i>Trends in Environmental Analytical Chemistry</i> , 2020, 28, e00104.	5.3	33
24	Evaluation of silver nanocomposite polymer inclusion membranes (PIMs) for trace metal transports: Selectivity and stability studies. <i>Journal of Water Process Engineering</i> , 2020, 37, 101527.	2.6	17
25	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. <i>Environmental Monitoring and Assessment</i> , 2020, 192, 557.	1.3	20
26	Application of Hollow Fibre-Liquid Phase Microextraction Technique for Isolation and Pre-Concentration of Pharmaceuticals in Water. <i>Membranes</i> , 2020, 10, 311.	1.4	25
27	Technical development and optimisation of a passive sampler based on polymer inclusion membrane for uptake of copper, nickel, cobalt and cadmium in surface waters. <i>Environmental Technology and Innovation</i> , 2020, 19, 100939.	3.0	15
28	Selective Extraction of Cannabinoid Compounds from Cannabis Seed Using Pressurized Hot Water Extraction. <i>Molecules</i> , 2020, 25, 1335.	1.7	28
29	Selective pressurized hot water extraction of nutritious macro-nutrients vs. micro-nutrients in <i>Moringa oleifera</i> leaves—a chemometric approach. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 2495-2503.	1.9	4
30	Physicochemical characterization of the peliotherapeutic and balneotherapeutic clayey soils and natural spring water at Isinuka traditional healing spa in the Eastern Cape Province of South Africa. <i>Science of the Total Environment</i> , 2020, 717, 137284.	3.9	2
31	Sulphates removal from AMD using CFA hydrothermally treated zeolites in column studies. <i>Minerals Engineering</i> , 2019, 141, 105851.	1.8	11
32	The Recovery of Rare Earth Elements (REEs) from Aqueous Solutions Using Natural Zeolite and Bentonite. <i>Water, Air, and Soil Pollution</i> , 2019, 230, 1.	1.1	33
33	Green pre-concentration techniques during pesticide analysis in food samples. <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , 2019, 54, 770-780.	0.7	12
34	Organ-specific bioaccumulation of PCBs and PAHs in African sharptooth catfish ( <i>Clarias gariepinus</i> ) and common carp ( <i>Cyprinus carpio</i> ) from the Hartbeespoort Dam, South Africa. <i>Environmental Monitoring and Assessment</i> , 2019, 191, 700.	1.3	8
35	Recent developments and applications of QuEChERS based techniques on food samples during pesticide analysis. <i>Journal of Food Composition and Analysis</i> , 2019, 84, 103314.	1.9	111
36	The recovery of Platinum (IV) from aqueous solutions by hydrazine-functionalised zeolite. <i>Minerals Engineering</i> , 2019, 131, 304-312.	1.8	19

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37	Adsorption of phosphates using transition metals-modified bentonite clay. <i>Separation Science and Technology</i> , 2019, 54, 2397-2408.	1.3	16
38	Cardiotoxicity in African clawed frog ( <i>Xenopus laevis</i> ) sub-chronically exposed to environmentally relevant atrazine concentrations: Implications for species survival. <i>Aquatic Toxicology</i> , 2019, 213, 105218.	1.9	15
39	Green chemistry features in molecularly imprinted polymers preparation process. <i>Comprehensive Analytical Chemistry</i> , 2019, , 337-364.	0.7	10
40	Solid phase extraction technique as a general field of application of molecularly imprinted polymer materials. <i>Comprehensive Analytical Chemistry</i> , 2019, 86, 41-76.	0.7	12
41	Use of the Chemcatcher® passive sampler and time-of-flight mass spectrometry to screen for emerging pollutants in rivers in Gauteng Province of South Africa. <i>Environmental Monitoring and Assessment</i> , 2019, 191, 388.	1.3	39
42	Ultrahigh-pressure supercritical fluid extraction and chromatography of <i>Moringa oleifera</i> and <i>Moringa peregrina</i> seed lipids. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 3685-3693.	1.9	20
43	Adsorbents and removal strategies of non-steroidal anti-inflammatory drugs from contaminated water bodies. <i>Journal of Environmental Chemical Engineering</i> , 2019, 7, 103142.	3.3	90
44	Determination of naproxen, diclofenac and ibuprofen in Umgeni estuary and seawater: A case of northern Durban in KwaZulu-Natal Province of South Africa. <i>Regional Studies in Marine Science</i> , 2019, 29, 100675.	0.4	30
45	Synthesis and characterization of a magnetic nanosorbent modified with <i>Moringa oleifera</i> leaf extracts for removal of nitroaromatic explosive compounds in water samples. <i>Journal of Environmental Chemical Engineering</i> , 2019, 7, 103128.	3.3	19
46	Verification of nitrous oxide primary standard gas mixtures by gas chromatography and cavity ring-down spectroscopy for ambient measurements in South Africa. <i>Accreditation and Quality Assurance</i> , 2019, 24, 203-214.	0.4	2
47	Mercury accumulation and biotransportation in wetland biota affected by gold mining. <i>Environmental Monitoring and Assessment</i> , 2019, 191, 186.	1.3	16
48	Recent Developments in Selective Materials for Solid Phase Extraction. <i>Chromatographia</i> , 2019, 82, 1171-1189.	0.7	29
49	Effects of environmentally relevant sub-chronic atrazine concentrations on African clawed frog ( <i>Xenopus laevis</i> ) survival, growth and male gonad development. <i>Aquatic Toxicology</i> , 2018, 199, 1-11.	1.9	43
50	Green aspects in molecular imprinting technology: From design to environmental applications. <i>Trends in Environmental Analytical Chemistry</i> , 2018, 17, 14-22.	5.3	59
51	Contaminants of emerging concern in the Hartbeespoort Dam catchment and the uMgeni River estuary 2016 pollution incident, South Africa. <i>Science of the Total Environment</i> , 2018, 627, 1008-1017.	3.9	96
52	Recent advances in the adsorbents for isolation of polycyclic aromatic hydrocarbons (PAHs) from environmental sample solutions. <i>TrAC - Trends in Analytical Chemistry</i> , 2018, 99, 101-116.	5.8	81
53	Assessment of heavy metals in raw food samples from open markets in two African cities. <i>Chemosphere</i> , 2018, 196, 339-346.	4.2	47
54	Uptake of pharmaceuticals by plants grown under hydroponic conditions and natural occurring plant species: A review. <i>Science of the Total Environment</i> , 2018, 636, 477-486.	3.9	154

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55	Applications of molecularly imprinted polymers for solid-phase extraction of non-steroidal anti-inflammatory drugs and analgesics from environmental waters and biological samples. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018, 147, 624-633.	1.4	108
56	Seasonal variation of chloro-s-triazines in the Hartbeespoort Dam catchment, South Africa. <i>Science of the Total Environment</i> , 2018, 613-614, 472-482.	3.9	34
57	Development and optimisation of a novel three-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. <i>Journal of Separation Science</i> , 2018, 41, 918-928.	1.3	21
58	The chemistry of Cr(VI) adsorption on to poly(p-phenylenediamine) adsorbent. <i>Water Science and Technology</i> , 2018, 78, 2481-2488.	1.2	10
59	Application of molecularly imprinted polymer designed for the selective extraction of ketoprofen from wastewater. <i>Water S A</i> , 2018, 44, .	0.2	31
60	Sample preparation using liquid membrane extraction techniques. <i>Water S A</i> , 2018, 34, 421.	0.2	20
61	Environmental fate and ecotoxicological effects of antiretrovirals: A current global status and future perspectives. <i>Water Research</i> , 2018, 145, 231-247.	5.3	84
62	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. <i>Journal of Chromatography A</i> , 2018, 1569, 36-43.	1.8	23
63	Optimization and Characterization of <i>Cladophora</i> sp. Alga Immobilized in Alginate Beads and Silica Gel for the Biosorption of Mercury from Aqueous Solutions. <i>Water, Air, and Soil Pollution</i> , 2018, 229, 1.	1.1	15
64	Synthesis, characterization and optimization of poly(p-phenylenediamine)-based organoclay composite for Cr(VI) remediation. <i>Applied Clay Science</i> , 2017, 139, 72-80.	2.6	28
65	Status of pharmaceuticals in African water bodies: Occurrence, removal and analytical methods. <i>Journal of Environmental Management</i> , 2017, 193, 211-220.	3.8	168
66	Occurrence of naproxen, ibuprofen, and diclofenac residues in wastewater and river water of KwaZulu-Natal Province in South Africa. <i>Environmental Monitoring and Assessment</i> , 2017, 189, 348.	1.3	97
67	Synthesis and characterization of a molecularly imprinted polymer for the isolation of the 16 US-EPA priority polycyclic aromatic hydrocarbons (PAHs) in solution. <i>Journal of Environmental Management</i> , 2017, 199, 192-200.	3.8	42
68	Source characterisation and distribution of selected PCBs, PAHs and alkyl PAHs in sediments from the Klip and Jukskei Rivers, South Africa. <i>Environmental Monitoring and Assessment</i> , 2017, 189, 327.	1.3	18
69	Application of magnetic molecularly imprinted polymers for the solid phase extraction of selected nitroaromatic compounds from contaminated aqueous environments. <i>Separation Science and Technology</i> , 2017, 52, 467-475.	1.3	15
70	Variation in pharmacologically potent rutinoside-bearing flavonoids amongst twelve <i>Moringa oleifera</i> Lam. cultivars. <i>South African Journal of Botany</i> , 2017, 112, 270-274.	1.2	13
71	Synthesis and application of a molecularly imprinted polymer in the solid-phase extraction of ketoprofen from wastewater. <i>Comptes Rendus Chimie</i> , 2017, 20, 585-591.	0.2	57
72	UPLC-qTOF-MS profiling of pharmacologically important chlorogenic acids and associated glycosides in <i>Moringa ovalifolia</i> leaf extracts. <i>South African Journal of Botany</i> , 2017, 108, 193-199.	1.2	23

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73	Coagulation efficiency of <i>Dicerocaryum eriocarpum</i> (DE) plant. <i>Water S A</i> , 2017, 43, 1.	0.2	10
74	Simultaneous determination of naproxen, ibuprofen and diclofenac in wastewater using solid-phase extraction with high performance liquid chromatography. <i>Water S A</i> , 2017, 43, 264.	0.2	58
75	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. <i>South African Journal of Chemistry</i> , 2017, 70, .	0.3	19
76	Miniaturized pipette-tip-based electrospun polyacrylonitrile nanofibers for the micro-solid-phase extraction of nitro-based explosive compounds. <i>Journal of Separation Science</i> , 2016, 39, 4819-4827.	1.3	17
77	Determination of ibuprofen, naproxen and diclofenac in aqueous samples using a multi-template molecularly imprinted polymer as selective adsorbent for solid-phase extraction. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016, 128, 210-215.	1.4	126
78	Extraction of explosive compounds from aqueous solutions by solid phase extraction using $\beta$ -cyclodextrin functionalized carbon nanofibers as sorbents. <i>Journal of Environmental Chemical Engineering</i> , 2016, 4, 2450-2457.	3.3	11
79	Experimental and theoretical study of molecular interactions between 2-vinyl pyridine and acidic pharmaceuticals used as multi-template molecules in molecularly imprinted polymer. <i>Reactive and Functional Polymers</i> , 2016, 103, 33-43.	2.0	42
80	Comparative analyses of flavonoid content in <i>Moringa oleifera</i> and <i>Moringa ovalifolia</i> with the aid of UHPLC-qTOF-MS fingerprinting. <i>South African Journal of Botany</i> , 2016, 105, 116-122.	1.2	103
81	Synthesis, adsorption and selectivity studies of a polymer imprinted with naproxen, ibuprofen and diclofenac. <i>Journal of Environmental Chemical Engineering</i> , 2016, 4, 4029-4037.	3.3	75
82	Multivariate optimization of the hollow fibre liquid phase microextraction of muscimol in human urine samples. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2016, 1033-1034, 372-381.	1.2	11
83	Assessment of organochlorine pesticide residues in raw food samples from open markets in two African cities. <i>Chemosphere</i> , 2016, 164, 480-487.	4.2	24
84	Application of raw and biocharred <i>Moringa oleifera</i> seed powder for the removal of nitrobenzene from aqueous solutions. <i>Desalination and Water Treatment</i> , 2016, 57, 25551-25560.	1.0	15
85	Mercury speciation and dispersion from an active gold mine at the West Wits area, South Africa. <i>Environmental Monitoring and Assessment</i> , 2016, 188, 47.	1.3	12
86	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. <i>Chemosphere</i> , 2016, 145, 314-321.	4.2	14
87	Blombos Cave: Middle Stone Age ochre differentiation through FTIR, ICP OES, ED XRF and XRD. <i>Quaternary International</i> , 2016, 404, 20-29.	0.7	33
88	Measuring the recovery of the Northern Benguela Current Large Marine Ecosystem (BCLME): An application of the DPSIR framework. <i>Ocean and Coastal Management</i> , 2016, 119, 227-233.	2.0	13
89	Status of PAHs in Environmental Compartments of South Africa: A Country Report. <i>Polycyclic Aromatic Compounds</i> , 2016, 36, 376-394.	1.4	11
90	Modeling of adsorption isotherms and kinetics of uranium sorption by magnetic ion imprinted polymers. <i>Toxicological and Environmental Chemistry</i> , 2016, 98, 1-12.	0.6	20

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91	Optimization of Pressurized Hot Water Extraction of Flavonoids from <i>Momordica foetida</i> Using UHPLC-qTOF-MS and Multivariate Chemometric Approaches. <i>Food Analytical Methods</i> , 2016, 9, 1480-1489.	1.3	22
92	QuEChERS method development for bio-monitoring of low molecular weight polycyclic aromatic hydrocarbons in South African carp fish using hplc-fluorescence: An initial assessment. <i>South African Journal of Chemistry</i> , 2016, 69, .	0.3	3
93	Comparative study of different column types for the separation of polar basic hallucinogenic alkaloids. <i>South African Journal of Chemistry</i> , 2016, 69, .	0.3	0
94	Sequestration of U(VI) from aqueous solutions using precipitate ion imprinted polymers endowed with oleic acid functionalized magnetite. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2015, 304, 933-943.	0.7	17
95	Optimization of the Temperature for the Extraction of Pharmaceuticals from Wastewater by a Hollow Fiber Silicone Membrane. <i>Analytical Letters</i> , 2015, 48, 2343-2356.	1.0	13
96	Selective adsorption of uranium (VI) on NaHCO <sub>3</sub> leached composite $\tilde{\text{I}}^3$ -Methacryloxypropyltrimethoxysilane coated magnetic ion-imprinted polymers prepared by precipitation polymerization. <i>South African Journal of Chemistry</i> , 2015, 68, .	0.3	4
97	Development of pressurised hot water extraction (PHWE) for essential compounds from <i>Moringa oleifera</i> leaf extracts. <i>Food Chemistry</i> , 2015, 172, 423-427.	4.2	65
98	Determination of naproxen, ibuprofen and triclosan in wastewater using the polar organic chemical integrative sampler (POCIS): A laboratory calibration and field application. <i>Water S A</i> , 2014, 40, 407.	0.2	65
99	Preparation of magnetic nanocomposite beads and optimizing the conditions for effective removal of U(VI) from aqueous solutions. <i>Toxicological and Environmental Chemistry</i> , 2014, 96, 998-1011.	0.6	1
100	Synthesis of bulk ion-imprinted polymers (IIPs) embedded with oleic acid coated Fe <sub>3</sub> O <sub>4</sub> for selective extraction of hexavalent uranium. <i>Water S A</i> , 2014, 40, 623.	0.2	9
101	Investigating the temporal trends in PAH, PCB and OCP concentrations in Hartbeespoort Dam, South Africa, using semipermeable membrane devices (SPMDs). <i>Water S A</i> , 2014, 40, 425.	0.2	20
102	The Effect of Temperature on Pressurised Hot Water Extraction of Pharmacologically Important Metabolites as Analysed by UPLC-qTOF-MS and PCA. <i>Evidence-based Complementary and Alternative Medicine</i> , 2014, 2014, 1-9.	0.5	26
103	Seasonal distribution and speciation of mercury in a gold mining area, north-west province, South Africa. <i>Toxicological and Environmental Chemistry</i> , 2014, 96, 387-402.	0.6	10
104	Assessment of bioavailable fraction of POPS in surface water bodies in Johannesburg City, South Africa, using passive samplers: an initial assessment. <i>Environmental Monitoring and Assessment</i> , 2014, 186, 5639-5653.	1.3	16
105	Preparation, characterization and application of NaHCO <sub>3</sub> leached bulk U(VI) imprinted polymers endowed with $\tilde{\text{I}}^3$ -MPS coated magnetite in contaminated water. <i>Journal of Hazardous Materials</i> , 2014, 267, 221-228.	6.5	25
106	Development and application of microwave assisted extraction (MAE) for the extraction of five polycyclic aromatic hydrocarbons in sediment samples in Johannesburg area, South Africa. <i>Environmental Monitoring and Assessment</i> , 2013, 185, 5537-5550.	1.3	18
107	Hollow-Fibre Liquid-Phase Microextraction for the Determination of Polycyclic Aromatic Hydrocarbons in Johannesburg Jukskei River, South Africa. <i>Chromatographia</i> , 2013, 76, 427-436.	0.7	16
108	Molecular imprinted polymer for solid-phase extraction of flavonol aglycones from <i>Moringa oleifera</i> extracts. <i>Journal of Separation Science</i> , 2013, 36, 548-555.	1.3	28

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109	Synthesis, adsorption and selectivity studies of N-propyl quaternized magnetic poly(4-vinylpyridine) for hexavalent chromium. <i>Talanta</i> , 2013, 116, 670-677.	2.9	41
110	Prediction of extraction efficiency in supported liquid membrane with a stagnant acceptor phase by means of artificial neural network. <i>Journal of Separation Science</i> , 2013, 36, 986-991.	1.3	5
111	Comparison of antioxidant activity of <i>Moringa oleifera</i> and selected vegetables in South Africa. <i>South African Journal of Science</i> , 2013, 109, 5.	0.3	60
112	Metal and flavonol contents of <i>Moringa oleifera</i> grown in South Africa. <i>South African Journal of Science</i> , 2013, 109, 7.	0.3	24
113	Polymeric sorbents for removal of Cr(VI) from environmental samples. <i>Pure and Applied Chemistry</i> , 2013, 85, 2145-2160.	0.9	18
114	Simple and efficient ion imprinted polymer for recovery of uranium from environmental samples. <i>Water Science and Technology</i> , 2012, 65, 728-736.	1.2	17
115	Characterization of cyanide in a natural stream impacted by gold mining activities in the Witwatersrand Basin, South Africa. <i>Toxicological and Environmental Chemistry</i> , 2012, 94, 7-19.	0.6	15
116	Speciation of mercury in South African coals. <i>Toxicological and Environmental Chemistry</i> , 2012, 94, 1688-1706.	0.6	19
117	Trophic status of Vondo and Albasini Dams; impacts on aquatic ecosystems and drinking water. <i>International Journal of Environmental Science and Technology</i> , 2012, 9, 203-218.	1.8	13
118	Molecularly imprinted polymers targeting quercetin in high-temperature aqueous solutions. <i>Journal of Chromatography A</i> , 2012, 1230, 15-23.	1.8	41
119	Advances in sample preparation using membrane-based liquid-phase microextraction techniques. <i>TrAC - Trends in Analytical Chemistry</i> , 2011, 30, 1781-1792.	5.8	64
120	Selective extraction of triazine herbicides based on a combination of membrane assisted solvent extraction and molecularly imprinted solid phase extraction. <i>Journal of Chromatography A</i> , 2011, 1218, 647-653.	1.8	51
121	Membrane assisted passive sampler for triazine compounds in water bodies – Characterization of environmental conditions and field performance. <i>Analytica Chimica Acta</i> , 2011, 694, 75-82.	2.6	23
122	Evaluation of the performance of rural wastewater treatment plants using chemical measurements in combination with statistical techniques: a case study. <i>Toxicological and Environmental Chemistry</i> , 2011, 93, 1123-1134.	0.6	2
123	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, 2318-2325.	1.8	39
124	Adsorption and desorption of tetraalkyllead and dibutyltin compounds on contaminated soils. <i>Toxicological and Environmental Chemistry</i> , 2010, 92, 1613-1626.	0.6	0
125	Influence of temperature on mass transfer in an incomplete trapping supported liquid membrane extraction of triazole fungicides. <i>Journal of Separation Science</i> , 2009, 32, 1043-1050.	1.3	20
126	Potential of combining of liquid membranes and molecularly imprinted polymers in extraction of 17 $\beta$ -estradiol from aqueous samples. <i>Journal of Separation Science</i> , 2009, 32, 1941-1948.	1.3	28



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127	Influence of temperature on mass transfer in an incomplete trapping single hollow fibre supported liquid membrane extraction of triazole fungicides. <i>Analytica Chimica Acta</i> , 2009, 632, 86-92.	2.6	11
128	Selective extraction of triazine herbicides from food samples based on a combination of a liquid membrane and molecularly imprinted polymers. <i>Journal of Chromatography A</i> , 2009, 1216, 6796-6801.	1.8	47
129	Radioactive disequilibrium and geochemical modelling as evidence of uranium leaching from gold tailings dumps in the Witwatersrand Basin. <i>International Journal of Environmental Analytical Chemistry</i> , 2009, 89, 687-703.	1.8	27
130	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. <i>Bioresource Technology</i> , 2008, 99, 1491-1496.	4.8	11
131	Hospital solid waste management practices in Limpopo Province, South Africa: A case study of two hospitals. <i>Waste Management</i> , 2008, 28, 1236-1245.	3.7	98
132	Performance optimization of a membrane assisted passive sampler for monitoring of ionizable organic compounds in water. <i>Journal of Environmental Monitoring</i> , 2008, 10, 129-135.	2.1	5
133	Speciation of alkyllead in aqueous samples with application of liquid membrane probe for extraction and preconcentration. <i>Journal of Separation Science</i> , 2007, 30, 2754-2759.	1.3	14
134	Sample preparation for chromatography: An African perspective. <i>Journal of Chromatography A</i> , 2007, 1153, 1-13.	1.8	11
135	Application of Membrane-Based Extraction Techniques to Food and Agricultural Samples. <i>ACS Symposium Series</i> , 2006, , 149-162.	0.5	3
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