Somandla Ncube

List of Publications by Year
in descending order

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Version: 2024-02-01

39 papers	1,060 citations	471509 17 h-index	414414 32 g-index
39 all docs	39 docs citations	39 times ranked	1144 citing authors

#	Article	IF	Citations
1	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.	8.0	154
2	Analysis, occurrence and removal of pharmaceuticals in African water resources: A current status. Journal of Environmental Management, 2020, 253, 109741.	7.8	93
3	Adsorbents and removal strategies of non-steroidal anti-inflammatory drugs from contaminated water bodies. Journal of Environmental Chemical Engineering, 2019, 7, 103142.	6.7	90
4	Environmental fate and ecotoxicological effects of antiretrovirals: A current global status and future perspectives. Water Research, 2018, 145, 231-247.	11.3	84
5	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.	11.4	81
6	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.	12.4	49
7	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.	7.8	42
8	Pharmaceuticals and their metabolites in the marine environment: Sources, analytical methods and occurrence. Trends in Environmental Analytical Chemistry, 2020, 28, e00104.	10.3	33
9	Occurrence and ecotoxicological risk assessment of non-steroidal anti-inflammatory drugs in South African aquatic environment: What is known and the missing information?. Chemosphere, 2021, 280, 130688.	8.2	32
10	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.	0.7	30
11	Synthesis of a molecularly imprinted polymer and its application in selective extraction of fenoprofen from wastewater. Environmental Science and Pollution Research, 2018, 25, 36724-36735.	5.3	29
12	Recent Developments in Selective Materials for Solid Phase Extraction. Chromatographia, 2019, 82, 1171-1189.	1.3	29
13	Application of Hollow Fibre-Liquid Phase Microextraction Technique for Isolation and Pre-Concentration of Pharmaceuticals in Water. Membranes, 2020, 10, 311.	3.0	25
14	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.	3.7	23
15	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.	2.5	21
16	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.	2.7	20
17	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.	6.7	19
18	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.	8.2	17

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19	Determination of furanic compounds in Mopane worms, corn, and peanuts using headspace solid-phase microextraction with gas chromatography-flame ionisation detector. Food Chemistry, 2022, 369, 130944.	8.2	17
20	Health effects and risks associated with the occurrence of pharmaceuticals and their metabolites in marine organisms and seafood. Science of the Total Environment, 2022, 837, 155780.	8.0	17
21	Mercury accumulation and biotransportation in wetland biota affected by gold mining. Environmental Monitoring and Assessment, 2019, 191, 186.	2.7	16
22	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.	3.3	16
23	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.	6.1	15
24	Determination of volatile compounds during deterioration of African opaque beer using a stir bar sorptive extraction technique and gas chromatography-high resolution mass spectrometry. Current Research in Food Science, 2020, 3, 256-267.	5.8	14
25	Molecular imprinting with deep eutectic solvents: Synthesis, applications, their significance, and benefits. Journal of Molecular Liquids, 2022, 362, 119696.	4.9	14
26	Solid phase extraction technique as a general field of application of molecularly imprinted polymer materials. Comprehensive Analytical Chemistry, 2019, 86, 41-76.	1.3	12
27	Trace Detection and Quantitation of Antibiotics in a South African Stream Receiving Wastewater Effluents and Municipal Dumpsite Leachates. Frontiers in Environmental Science, 2021, 9, .	3.3	12
28	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.	4.3	12
29	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.	2.3	11
30	Green chemistry features in molecularly imprinted polymers preparation process. Comprehensive Analytical Chemistry, 2019, , 337-364.	1.3	10
31	Levels and potential health risk of elements in two indigenous vegetables from Golinga irrigation farms in the Northern Region of Ghana. Journal of Food Composition and Analysis, 2021, 96, 103750.	3.9	8
32	A Comparative Study on the Dissolution of Argema mimosae Silk Fibroin and Fabrication of Films and Nanofibers. Polymers, 2021, 13, 549.	4.5	7
33	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.	8.0	2
34	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.	2.6	2
35	Pharmaceuticals and personal care products. , 2022, , 171-190.		2
36	Evaluation of organochlorine pesticide residues in Beta vulgaris , Brassica oleracea , and Solanum tuberosum in Bloemfontein markets, South Africa. Food Science and Nutrition, 2021, 9, 4770-4779.	3.4	1

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37	Bioaccumulation and Human Risk Assessment of Heavy Metals in Oreochromis niloticus and Clarias gariepinus Fish Species from the Golinga Reservoir, Ghana. South African Journal of Chemistry, 2021, 75, .	0.6	1
38	Comparative study of different column types for the separation of polar basic hallucinogenic alkaloids. South African Journal of Chemistry, 2016, 69, .	0.6	0
39	Comparative study of different column types for the separation of polar basic hallucinogenic alkaloids. South African Journal of Chemistry, 2016, 69, .	0.6	0