

Nhamo Chaukura

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/1339912/nhamo-chaukura-publications-by-year.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

65
papers

1,913
citations

21
h-index

43
g-index

68
ext. papers

2,350
ext. citations

5.2
avg, IF

5.45
L-index

#	Paper	IF	Citations
65	Characterization of natural organic matter in South African drinking water treatment plants: Towards integrating ceramic membrane filtration.. <i>Water Environment Research</i> , 2022 , 94, e10693	2.8	
64	The Visible light photodegradation of methyl orange and Escherichia coli O157:H7 in wastewater. <i>South African Journal of Science</i> , 2022 , 118,	1.3	1
63	Ceramic Nanocomposite Membranes for Dye Removal. <i>Sustainable Textiles</i> , 2022 , 291-303	1.1	
62	Strategies and options for the sustainable recovery of rare earth elements from electrical and electronic waste. <i>Chemical Engineering Journal</i> , 2022 , 135992	14.7	1
61	Remediation technologies for contaminated soil systems 2022 , 353-365		
60	(Micro)plastics in the soil system: Occurrence, behaviour, fate, and future directions 2022 , 47-64		
59	Occurrence and behaviour of emerging organic contaminants in aquatic systems 2022 , 67-86		
58	Antibiotic-resistant bacteria and antibiotic resistance genes in aquatic systems: Occurrence, behaviour, and fate 2022 , 121-136		1
57	COVID-19 pandemic in Uttarakhand, India: Environmental recovery or degradation?. <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 106595	6.8	7
56	Defluoridation of drinking water using a ceramic filter decorated with iron oxide-biochar composites. <i>International Journal of Applied Ceramic Technology</i> , 2021 , 18, 1321-1329	2	2
55	Occurrence, behavior, and human exposure and health risks of potentially toxic elements in edible mushrooms with focus on Africa. <i>Environmental Monitoring and Assessment</i> , 2021 , 193, 302	3.1	4
54	Microplastics in the Aquatic Environment: The Occurrence, Sources, Ecological Impacts, Fate, and Remediation Challenges. <i>Pollutants</i> , 2021 , 1, 95-118		6
53	Biochars as media for air pollution control systems: Contaminant removal, applications and future research directions. <i>Science of the Total Environment</i> , 2021 , 753, 142249	10.2	30
52	Comparative removal efficiencies of natural organic matter by conventional drinking water treatment plants in Zimbabwe and South Africa. <i>Water Environment Research</i> , 2021 , 93, 570-581	2.8	
51	Occurrence and Attenuation of Antibiotics in Water Using Biomass-Derived Materials 2021 , 511-530		
50	Insects, Rodents, and Pets as Reservoirs, Vectors, and Sentinels of Antimicrobial Resistance. <i>Antibiotics</i> , 2021 , 10,	4.9	15
49	Recent advances in the polyurethane-based adsorbents for the decontamination of hazardous wastewater pollutants. <i>Journal of Hazardous Materials</i> , 2021 , 417, 125960	12.8	22

48	Organic pollutants in deep sea: Occurrence, fate, and ecological implications. <i>Water Research</i> , 2021 , 205, 117658	12.5	8
47	Efficient adsorption of dyes by Alumina synthesized from aluminum wastes: Kinetics, isotherms, thermodynamics and toxicity assessment. <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 106198	6.8	7
46	Nanocellulose-Based Membranes for the Removal of Dyes from Aquatic Systems. <i>Sustainable Textiles</i> , 2021 , 143-158	1.1	
45	The Impact of Nanomaterials in Aquatic Systems 2020 , 205-222		5
44	Development and evaluation of a low-cost ceramic filter for the removal of methyl orange, hexavalent chromium, and Escherichia coli from water. <i>Materials Chemistry and Physics</i> , 2020 , 249, 122965	4.4	7
43	PARAFAC model as an innovative tool for monitoring natural organic matter removal in water treatment plants. <i>Water Science and Technology</i> , 2020 , 81, 1786-1796	2.2	1
42	Biochar-Based Adsorbents for the Removal of Organic Pollutants from Aqueous Systems 2020 , 147-174		
41	Metal-Organic Framework Nanocomposites for Adsorptive Applications 2020 , 53-72		1
40	A BIOCHAR-BASED POINT-OF-USE WATER TREATMENT SYSTEM FOR THE REMOVAL OF FLUORIDE, CHROMIUM AND BRILLIANT BLUE DYE IN TERNARY SYSTEMS. <i>Environmental Engineering and Management Journal</i> , 2020 , 19, 143-156	0.6	2
39	Monitoring the characteristics and removal of natural organic matter fractions in selected South African water treatment plants. <i>Water Practice and Technology</i> , 2020 , 15, 932-946	0.9	1
38	Contemporary issues on the occurrence and removal of disinfection byproducts in drinking water - A review. <i>Journal of Environmental Chemical Engineering</i> , 2020 , 8, 103659	6.8	35
37	A new generation low-cost biochar-clay composite Biscuit ceramic filter for point-of-use water treatment. <i>Applied Clay Science</i> , 2020 , 185, 105409	5.2	20
36	The properties and removal efficacies of natural organic matter fractions by South African drinking water treatment plants. <i>Journal of Environmental Chemical Engineering</i> , 2019 , 7, 103101	6.8	13
35	Assessing the impact of environmental activities on natural organic matter in South Africa and Belgium. <i>Environmental Technology (United Kingdom)</i> , 2019 , 40, 1756-1768	2.6	13
34	The occurrence of natural organic matter in South African water treatment plants. <i>Journal of Water Process Engineering</i> , 2019 , 31, 100809	6.7	7
33	Photodegradation of humic acid in aqueous solution using a TiO ₂ -carbonaceous hyper-cross-linked polystyrene polymer nanocomposite. <i>International Journal of Environmental Science and Technology</i> , 2019 , 16, 1603-1612	3.3	4
32	Biowaste for Carbon Sequestration. <i>Sustainable Agriculture Reviews</i> , 2019 , 145-159	1.3	
31	Fundamental fouling mechanisms of dissolved organic matter fractions and their implications on the surface modifications of ceramic nanofiltration membranes: insights from a laboratory scale application. <i>Water Science and Technology</i> , 2019 , 80, 1702-1714	2.2	3

30	Sources, behaviour, and environmental and human health risks of high-technology rare earth elements as emerging contaminants. <i>Science of the Total Environment</i> , 2018 , 636, 299-313	10.2	231
29	Synthesis and nutrient release patterns of a biochar-based NPK slow-release fertilizer. <i>International Journal of Environmental Science and Technology</i> , 2018 , 15, 405-414	3.3	57
28	Lignin and Chitosan-Based Materials for Dye and Metal Ion Remediation in Aqueous Systems. <i>Springer Series on Polymer and Composite Materials</i> , 2018 , 55-73	0.9	2
27	Organic contaminants in African aquatic systems: Current knowledge, health risks, and future research directions. <i>Science of the Total Environment</i> , 2018 , 619-620, 1493-1514	10.2	85
26	Abatement of humic acid from aqueous solution using a carbonaceous conjugated microporous polymer derived from waste polystyrene. <i>Environmental Science and Pollution Research</i> , 2018 , 25, 3291-3300	5.1	3
25	Review: Natural organic matter in aquatic systems – South African perspective. <i>Water SA</i> , 2018 , 44,	1.3	6
24	Chitosan-lignin-titania nanocomposites for the removal of brilliant black dye from aqueous solution. <i>International Journal of Biological Macromolecules</i> , 2018 , 120, 1659-1666	7.9	34
23	Removal of dissolved organic matter from raw water using zero valent iron -carbonaceous conjugated microporous polymer nanocomposites. <i>Physics and Chemistry of the Earth</i> , 2018 , 107, 38-44	3	6
22	Potential Leaching of Heavy Metals from Pristine and Accelerated Weathered Slag from Recycling of Automobile Lead-Acid Batteries. <i>Environmental Processes</i> , 2018 , 5, 611-629	2.8	7
21	Competitive sorption of Cd ²⁺ and Pb ²⁺ from a binary aqueous solution by poly (methyl methacrylate)-grafted montmorillonite clay nanocomposite. <i>Applied Water Science</i> , 2017 , 7, 2287-2295	5	6
20	Synthesis, characterisation and methyl orange adsorption capacity of ferric oxide/Biochar nano-composites derived from pulp and paper sludge. <i>Applied Water Science</i> , 2017 , 7, 2175-2186	5	91
19	Conversion of post consumer waste polystyrene into a high value adsorbent and its sorptive properties for Congo Red removal from aqueous solution. <i>Journal of Environmental Management</i> , 2017 , 193, 280-289	7.9	27
18	Removal of Trace Metals from Acid Mine Drainage Using a Sequential Combination of Coal Ash-Based Adsorbents and Phytoremediation by Bunchgrass (Vetiver [Vetiveria zizanioides L]). <i>Mine Water and the Environment</i> , 2017 , 36, 520-531	2.4	11
17	Porous materials for the sorption of emerging organic pollutants from aqueous systems: The case for conjugated microporous polymers. <i>Journal of Water Process Engineering</i> , 2017 , 16, 223-232	6.7	12
16	Biochar-based water treatment systems as a potential low-cost and sustainable technology for clean water provision. <i>Journal of Environmental Management</i> , 2017 , 197, 732-749	7.9	182
15	Comparative Adsorption of Zn ²⁺ from Aqueous Solution Using Hydroxylated and Sulphonated Biochars Derived from Pulp and Paper Sludge. <i>Water, Air, and Soil Pollution</i> , 2017 , 228, 1	2.6	5
14	Sorptive removal of methylene blue from simulated wastewater using biochars derived from pulp and paper sludge. <i>Environmental Technology and Innovation</i> , 2017 , 8, 132-140	7	36
13	Potential uses and value-added products derived from waste polystyrene in developing countries: A review. <i>Resources, Conservation and Recycling</i> , 2016 , 107, 157-165	11.9	57

12	Potential for leaching of heavy metals in open-burning bottom ash and soil from a non-engineered solid waste landfill. <i>Chemosphere</i> , 2016 , 147, 144-54	8.4	21
11	Preparation and Characterization of Polymer-Grafted Montmorillonite-Lignocellulose Nanocomposites by In Situ Intercalative Polymerization. <i>Hindawi Journal of Chemistry</i> , 2016 , 2016, 1-8		5
10	Biosorbents for the removal of synthetic organics and emerging pollutants: Opportunities and challenges for developing countries. <i>Environmental Development</i> , 2016 , 19, 84-89	4.1	68
9	Removal of Zn ²⁺ and Pb ²⁺ ions from aqueous solution using sulphonated waste polystyrene. <i>Journal of Environmental Chemical Engineering</i> , 2015 , 3, 2528-2537	6.8	26
8	Biochar production and applications in sub-Saharan Africa: opportunities, constraints, risks and uncertainties. <i>Journal of Environmental Management</i> , 2015 , 150, 250-261	7.9	121
7	Adsorption of Zn(2+) and Ni(2+) in a binary aqueous solution by biosorbents derived from sawdust and water hyacinth (<i>Eichhornia crassipes</i>). <i>Water Science and Technology</i> , 2014 , 70, 1419-27	2.2	32
6	Aging and Free Volume in a Polymer of Intrinsic Microporosity (PIM-1) 2012 , 88, 608-619		64
5	Free Volume Investigation of Polymers of Intrinsic Microporosity (PIMs): PIM-1 and PIM1 Copolymers Incorporating Ethanoanthracene Units. <i>Macromolecules</i> , 2010 , 43, 6075-6084	5.5	90
4	Triptycene-Based Polymers of Intrinsic Microporosity: Organic Materials That Can Be Tailored for Gas Adsorption. <i>Macromolecules</i> , 2010 , 43, 5287-5294	5.5	246
3	Nitrogen and Hydrogen Adsorption by an Organic Microporous Crystal. <i>Angewandte Chemie</i> , 2009 , 121, 3323-3327	3.6	44
2	Nitrogen and hydrogen adsorption by an organic microporous crystal. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 3273-7	16.4	118
1	Occurrence, Human Health Risks, and Removal of Pharmaceuticals in Aqueous Systems: Current Knowledge and Future Perspectives 63-101		1