Mark Fungayi Zaranyika

List of Publications by Year
in descending order

24 papers	239 citations	1307594 7 h-index	996975 15 g-index
24 all docs	24 docs citations	24 times ranked	217 citing authors

#	Article	IF	Citations
1	Aquatic bioaccessibility of tetracycline antibiotics to higher fauna: Prediction based on the water-column/sediment partition coefficient. Scientific African, 2022, 15, e01113.	1.5	1
2	Degradation of tetracycline in tropical river ecosystems: generation and dissipation of metabolites; kinetic and thermodynamic parameters. Reaction Kinetics, Mechanisms and Catalysis, 2022, 135, 2115-2136.	1.7	1
3	Persistence and fate of chlortetracycline in the aquatic environment under sub-tropical conditions: generation and dissipation of metabolites. Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes, 2021, 56, 181-187.	1.5	3
4	Degradation kinetics of DDT in tropical soils: A proposed multi-phase zero order kinetic model that takes into account evaporation, hydrolysis, photolysis, microbial degradation and adsorption by soil particulates.. Scientific African, 2020, 9, e00467.	1.5	5
5	Dissipation of chlortetracycline in the aquatic environment: Characterization in terms of a generalized multiphase pseudoâ€“zeroâ€order rate law. International Journal of Chemical Kinetics, 2019, 51, 817-830.	1.6	3
6	Adsorption of volatile polar organic solvents on water hyacinth (Eichhornia crassipes) root biomass: thermodynamic parameters and mechanism. International Journal of Environmental Science and Technology, 2016, 13, 1941-1950.	3.5	3
7	Degradation of oxytetracycline in the aquatic environment: a proposed steady state kinetic model that takes into account hydrolysis, photolysis, microbial degradation and adsorption by colloidal and sediment particles. Environmental Chemistry, 2015, 12, 174.	1.5	21
8	Speciation and persistence of doxycycline in the aquatic environment: Characterization in terms of steady state kinetics. Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes, 2015, 50, 908-918.	1.5	14
9	Departure from local thermal equilibrium during ICP-AES and FAES: Characterization in terms of collisional radiative recombination activation energy. Pure and Applied Chemistry, 2013, 85, 2231-2248.	1.9	2
10	Interference Effects of Easily Ionizable Elements in ICP-AES and Flame AAS: Characterization in Terms of the Collisional Radiative Recombination Activation Energy. Spectroscopy Letters, 2012, 45, 1-12.	1.0	2
11	Interference Effects from Easily Ionizable Elements in Flame AES and ICPâ€OES: A Proposed Simplified Rate Model Based on Collisional Charge Transfer Between Analyte and Interferent Species. Spectroscopy Letters, 2007, 40, 835-850.	1.0	5
12	Adsorption of amitraz by a river sediment: Apparent thermodynamic properties. Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes, 1998, 33, 235-251.	1.5	6
13	Cohcentration of Cd, Cu, Ni, Pb, Zn and Mn in bream,Oreochromis macruchir, during the 1996 mass fish deaths in lake chivero, Zimbabwe.. Journal of Environmental Science and Health Part A: Environmental Science and Engineering, 1997, 32, 1895-1906.	0.1	1
14	A possible steady state kinetic model for the atomization process during flame atomic spectrometry: Application to mutual atomization interference effects between group I elements. Fresenius' Journal of Analytical Chemistry, 1997, 357, 249-257.	1.5	6
15	Uptake of endosulphan and lindane by crickets (orthoptera) spiders (arachnida), grasshoppers (orthoptera) and beetles (coleoptera), following application of the pesticides for the control of soya bean and maize pests respectively in a field trial in zimbabwe. Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes, 1996, 31, 485-494.	1.5	3
16	Metal-metal interactions in biological systems. Part IV. Freshwater snail Bulinus globosus. Water, Air, and Soil Pollution, 1995, 83, 123-145.	2.4	21
17	Uptake of Ni, Zn, Fe, Co, Cr, Pb, Cu and Cd by water hyacinth (eichhornia crassipes) in mukuvisi and manyame rivers, Zimbabwe. Journal of Environmental Science and Health Part A: Environmental Science and Engineering, 1995, 30, 157-169.	0.1	27
18	Uptake of Zn, Co, Fe and Cr by water hyacinth (Eichhornia crassipes) in Lake Chivero, Zimbabwe. Science of the Total Environment, 1994, 153, 117-121.	8.0	32

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19	Estimation of the degree of ionization and the proportion of excited atoms in flame atomic spectrometry: a steady state approach. Fresenius' Journal of Analytical Chemistry, 1993, 345, 3-7.	1.5	3
20	Degradation of glyphosate in the aquatic environment: An enzymic kinetic model that takes into account microbial degradation of both free and colloidal (or sediment) particle adsorbed glyphosate. Journal of Agricultural and Food Chemistry, 1993, 41, 838-842.	5.2	63
21	A NEW MODEL OF GAS LIQUID CHROMATOGRAPHY APPLYING THE KINETICS OF GASEOUS ADSORPTION AT SURFACES. Analytical Sciences, 1991, 7, 209-214.	1.6	2
22	Effect of excess sodium on the excitation of potassium in an air-acetylene flame: a steady state kinetic model which takes into account collisional excitation. Fresenius' Journal of Analytical Chemistry, 1991, 341, 577-585.	1.5	5
23	Salt catalyzed heterogeneous dilute acid hydrolysis of the difficultly accessible portion of cellulose: Effect of nature of metal co-ion. Journal of Polymer Science Part A, 1990, 28, 3565-3574.	2.3	7
24	Triclocarban and Cloflucarban: I. Gas-Liquid Chromatography of Triclocarban, Cloflucarban and Related Anilines after Silylation. International Journal of Environmental Analytical Chemistry, 1982, 11, 131-137.	3.3	3