Luiza C. Campos

List of Publications by Citations

108 papers	1,717 citations	22 h-index	38 g-index
121 ext. papers	2,265 ext. citations	5.3 avg, IF	5.62 L-index

#	Paper	IF	Citations
108	Assessment of microplastics in freshwater systems: A review. *Science of the Total Environment*, **2020**, 707, 135578	10.2	219
107	Efficient degradation of sulfamethoxazole by the Fe(II)/HSO process enhanced by hydroxylamine: Efficiency and mechanism. *Journal of Hazardous Materials*, **2017**, 322, 461-468	12.8	98
106	The role of mixing conditions on floc growth, breakage and re-growth. *Chemical Engineering Journal* , **2011**, 171, 425-430	14.7	83
105	Breakage and regrowth of Al-humic flocs--effect of additional coagulant dosage. *Environmental Science & Technology*, **2010**, 44, 6371-6	10.3	77
104	Biomass development in slow sand filters. *Water Research*, **2002**, 36, 4543-51	12.5	77
103	Breakage and re-growth of flocs formed by charge neutralization using alum and polyDADMAC. *Water Research*, **2010**, 44, 3959-65	12.5	59
102	Removal of selected emerging PPCP compounds using greater duckweed (Spirodela polyrhiza) based lab-scale free water constructed wetland. *Water Research*, **2017**, 126, 252-261	12.5	56
101	Dependence of floc properties on coagulant type, dosing mode and nature of particles. *Water Research*, **2015**, 68, 119-26	12.5	48
100	Effect of sludge retention on UF membrane fouling: The significance of sludge crystallization and EPS increase. *Water Research*, **2015**, 83, 319-28	12.5	44
99	Malignant transformation in melanocytes is associated with increased production of procoagulant microvesicles. *Thrombosis and Haemostasis*, **2011**, 106, 712-23	7	44
98	Application of pulsed UV-irradiation and pre-coagulation to control ultrafiltration membrane fouling in the treatment of micro-polluted surface water. *Water Research*, **2016**, 107, 83-92	12.5	43
97	Breakage and re-growth of flocs: effect of additional doses of coagulant species. *Water Research*, **2011**, 45, 6718-24	12.5	42
96	Removal of pharmaceutical and personal care products (PPCPs) pollutants from water by novel TiO2Coconut Shell Powder (TCNSP) composite. *Journal of Industrial and Engineering Chemistry*, **2014**, 20, 979-987	6.3	41
95	Occurrence of PPCPs in a Brazilian water reservoir and their removal efficiency by ecological filtration. *Chemosphere*, **2019**, 226, 210-219	8.4	38
94	Photocatalytic degradation of trichloroethylene in aqueous phase using nano-ZNO/Laponite composites. *Journal of Hazardous Materials*, **2013**, 263 Pt 2, 569-74	12.8	37
93	The effect of additional coagulant on the re-growth of aluKaolin flocs. *Separation and Purification Technology*, **2010**, 74, 305-309	8.3	37
92	Fractal dimension of large aggregates under different flocculation conditions. *Science of the Total Environment*, **2017**, 609, 807-814	10.2	36

91	The application of GAC sandwich slow sand filtration to remove pharmaceutical and personal care products. *Science of the Total Environment*, **2018**, 635, 1182-1190	10.2	35
90	A Systematic Review of Coastal Vulnerability Assessment Studies along Andhra Pradesh, India: A Critical Evaluation of Data Gathering, Risk Levels and Mitigation Strategies. *Water (Switzerland)*, **2019**, 11, 393	3	32
89	Characterization of , UTEX 1230. *Biology*, **2018**, 7,	4.9	24
88	Influence of flocs breakage process on submerged ultrafiltration membrane fouling. *Journal of Membrane Science*, **2011**, 385-386, 194-199	9.6	24
87	Airborne biological hazards and urban transport infrastructure: current challenges and future directions. *Environmental Science and Pollution Research*, **2016**, 23, 15757-66	5.1	22
86	Performance assessment of water reuse strategies using integrated framework of urban water metabolism and water-energy-pollution nexus. *Environmental Science and Pollution Research*, **2020**, 27, 4582-4597	5.1	22
85	Sorption of metaldehyde using granular activated carbon. *Journal of Water Reuse and Desalination*, **2017**, 7, 280-287	2.6	21
84	Removal of Metaldehyde Through Photocatalytic Reactions Using Nano-Sized Zinc Oxide Composites. *Water, Air, and Soil Pollution*, **2013**, 224, 1	2.6	21
83	Household slow sand filters in intermittent and continuous flows to treat water containing low mineral ion concentrations and Bisphenol A. *Science of the Total Environment*, **2020**, 702, 135078	10.2	20
82	Physico-chemical and biological aspects of a serially connected lab-scale constructed wetland-stabilization tank-GAC slow sand filtration system during removal of selected PPCPs. *Chemical Engineering Journal*, **2019**, 369, 1109-1118	14.7	19
81	Influence of PPCPs on the performance of intermittently operated slow sand filters for household water purification. *Science of the Total Environment*, **2017**, 581-582, 174-185	10.2	18
80	Removal of Carbamazepine from Water by a Novel TiO-Coconut Shell Powder/UV Process: Composite Preparation and Photocatalytic Activity. *Environmental Engineering Science*, **2013**, 30, 515-526	2	17
79	Development and application of a methodology to assess sanitary risks in Maputo, Mozambique. *Environment and Urbanization*, **2015**, 27, 371-388	3.7	14
78	Drinking water biofiltration: Behaviour of antibiotic resistance genes and the association with bacterial community. *Water Research*, **2020**, 182, 115954	12.5	14
77	Optimization of total trihalomethanes(TTHMs) and their precursors removal by granulated activated carbon (GAC) and sand dual media by response surface methodology (RSM). *Water Science and Technology: Water Supply*, **2016**, 16, 783-793	1.4	14
76	Degradation of metaldehyde in water by nanoparticle catalysts and powdered activated carbon. *Environmental Science and Pollution Research*, **2017**, 24, 17861-17873	5.1	13
75	Deterministic-Based Model of Slow Sand Filtration. I: Model Development. *Journal of Environmental Engineering, ASCE*, **2006**, 132, 872-886	2	13
74	Role of the functional groups in the adsorption of bisphenol A onto activated carbon: thermal modification and mechanism **2017**, 66, 105-115		12

73	Enhanced removal of manganese in organic-rich surface water by combined sodium hypochlorite and potassium permanganate during drinking water treatment. *RSC Advances*, **2015**, 5, 27970-27977	3.7	12
72	Degradation of Humic Acid by Photocatalytic Reaction Using Nano-sized ZnO/Laponite Composite (NZLC). *Water, Air, and Soil Pollution*, **2013**, 224, 1	2.6	10
71	Rapid flood risk assessment of informal urban settlements in Maputo, Mozambique: The case of Maxaquene A. *International Journal of Disaster Risk Reduction*, **2019**, 40, 101270	4.5	9
70	Strength assessment of Al-Humic and Al-Kaolin aggregates by intrusive and non-intrusive methods. *Separation and Purification Technology*, **2019**, 217, 265-273	8.3	9
69	Assessing the Vulnerability of Agriculture Systems to Climate Change in Coastal Areas: A Novel Index. *Sustainability*, **2020**, 12, 4771	3.6	9
68	21st century research in urban WASH and health in sub-Saharan Africa: methods and outcomes in transition. *International Journal of Environmental Health Research*, **2019**, 29, 457-478	3.6	9
67	Detection of trace peroxide explosives in environmental samples using solid phase extraction and liquid chromatography mass spectrometry. *Environmental Forensics*, **2017**, 18, 50-61	1.6	8
66	The impact of humic acid on metaldehyde adsorption onto powdered activated carbon in aqueous solution.. *RSC Advances*, **2018**, 9, 11-22	3.7	8
65	Converting rain into drinking water: quality issues and technological advances. *Water Science and Technology: Water Supply*, **2011**, 11, 659-667	1.4	8
64	Deterministic-Based Model of Slow Sand Filtration. II: Model Application. *Journal of Environmental Engineering, ASCE*, **2006**, 132, 887-894	2	8
63	Closed-loop organic waste management systems for family farmers in Brazil. *Environmental Technology (United Kingdom)*, **2021**, 1-18	2.6	8
62	Explaining the interactions between metaldehyde and acidic surface groups of activated carbon under different pH conditions. *Journal of Molecular Graphics and Modelling*, **2019**, 90, 94-103	2.8	7
61	WASH conditions in a small town in Uganda: how safe are on-site facilities?. *Journal of Water Sanitation and Hygiene for Development*, **2020**, 10, 96-110	1.5	7
60	Evaluation of a silver-ion based purification system for rainwater harvesting at a small-scale community level **2013**, 62, 545-551		7
59	Indigenous Bacillus spp. and : sustainable solution for bioremediation of hospital wastewater. *Environmental Technology (United Kingdom)*, **2020**, 1-14	2.6	7
58	Effect of organic matter release from natural cork used on bisphenol a removal from aqueous solution. *Journal of Cleaner Production*, **2020**, 244, 118675	10.3	7
57	Photocatalytic Degradation of Polyamide 66; Evaluating the Feasibility of Photocatalysis as a Microfibre-Targeting Technology. *Water (Switzerland)*, **2020**, 12, 3551	3	6
56	Species-specific interaction of trihalomethane (THM) precursors in a scaled-up distribution network using response surface methodology (RSM). *Environmental Technology (United Kingdom)*, **2018**, 39, 346-355	2.6	6

55	Assessing the performance and robustness of the UNICEF model for groundwater exploration in Ethiopia through application of the analytic hierarchy process, logistic regression and artificial neural networks. *Water S A*, **2018**, 44,	1.3	6
54	Investigation of metaldehyde removal by powdered activated carbon from different water samples. *Environmental Science: Water Research and Technology*, **2020**, 6, 1432-1444	4.2	6
53	Water, waste, energy and food nexus in Brazil: Identifying a resource interlinkage research agenda through a systematic review. *Renewable and Sustainable Energy Reviews*, **2021**, 138, 110554	16.2	6
52	Removal of antibiotics in sand, GAC, GAC sandwich and anthracite/sand biofiltration systems. *Chemosphere*, **2021**, 275, 130004	8.4	6
51	A simple ZVI-Fenton pre-oxidation using steel-nails for NOM degradation in water treatment. *Journal of Water Process Engineering*, **2021**, 43, 102230	6.7	6
50	Exploring exposure risk and safe management of container-based sanitation systems: a case study from Kenya. *Waterlines*, **2018**, 37, 280-306	0.3	5
49	Synergistic Removal of Humic Acid in Water by Coupling Adsorption and Photocatalytic Degradation Using TiO2/Coconut Shell Powder Composite. *Journal of Nanomaterials*, **2016**, 2016, 1-10	3.2	5
48	Linkages between sanitation and the sustainable development goals: A case study of Brazil. *Sustainable Development*, **2021**, 29, 339-352	6.7	5
47	Hospital wastewater treated with a novel bacterial consortium (Alcaligenes faecalis and Bacillus paramycoides spp.) for phytotoxicity reduction in Berseem clover and tomato crops. *Water Science and Technology*, **2021**, 83, 1764-1780	2.2	5
46	The significance of measuring embodied carbon dioxide equivalent in water sector infrastructure. *Journal of Cleaner Production*, **2019**, 216, 268-276	10.3	4
45	Removal of Humic Acid in Water Using Novel Nanomaterials. *Journal of Nanoscience and Nanotechnology*, **2018**, 18, 2249-2251	1.3	4
44	On-site sanitation density and groundwater quality: evidence from remote sensing and in situ observations in the Thiaroye aquifer, Senegal. *Journal of Water Sanitation and Hygiene for Development*, **2020**, 10, 927-939	1.5	4
43	In-situ fluorescence spectroscopy is a more rapid and resilient indicator of faecal contamination risk in drinking water than faecal indicator organisms. *Water Research*, **2021**, 206, 117734	12.5	4
42	Enhancement of superoxide evolution by nickel-doped for the removal of organic pollutants and cyanobacteria. *Journal of the Taiwan Institute of Chemical Engineers*, **2020**, 113, 396-405	5.3	4
41	Stormwater Detention Reservoirs: An Opportunity for Monitoring and a Potential Site to Prevent the Spread of Urban Microplastics. *Water (Switzerland)*, **2020**, 12, 1994	3	4
40	Biomass Ashes for Acid Mine Drainage Remediation. *Waste and Biomass Valorization*, **2020**, 11, 4977-4989	3.2	4
39	Impact of meteorological variables on water quality parameters of a reservoir and ecological filtration system. *International Journal of Environmental Science and Technology*, **2020**, 17, 1387-1396	3.3	4
38	Long-term outcomes for adults with chronic granulomatous disease in the United Kingdom. *Journal of Allergy and Clinical Immunology*, **2021**, 147, 1104-1107	11.5	4

37	Increased E. coli bio-adsorption resistance of microfiltration membranes, using a bio-inspired approach. *Science of the Total Environment*, **2021**, 751, 141777	10.2	4
36	Influence of slow sand filter cleaning process type on filter media biomass: backwashing versus scraping. *Water Research*, **2021**, 189, 116581	12.5	4
35	Removal of Humic Acid from Natural Water by ZVI/H2O2 Process. *Microscopy and Microanalysis*, **2019**, 25, 798-799	0.5	3
34	Adaptation of UK wastewater infrastructure to climate change. *Infrastructure Asset Management*, **2015**, 2, 97-106	1.8	3
33	Evaluation of the use of Pycnoporus sanguineus fungus for phenolics and genotoxicity decay of a pharmaceutical effluent treatment. *Revista Ambiente & Água*, **2012**, 7, 41-50	0.8	3
32	Life cycle assessment of a biogas system for cassava processing in Brazil to close the loop in the water-waste-energy-food nexus. *Journal of Cleaner Production*, **2021**, 299, 126861	10.3	3
31	Incidence of chlorination by-products in an institutional drinking water distribution network, Islamabad, Pakistan, using response surface methodology. *Journal of Water Sanitation and Hygiene for Development*, **2018**, 8, 740-751	1.5	3
30	A review exploring the overarching burden of Zika virus with emphasis on epidemiological case studies from Brazil. *Environmental Science and Pollution Research*, **2021**, 28, 55952-55966	5.1	3
29	Ripening of household slow sand filter by adding fish food. *Journal of Water Sanitation and Hygiene for Development*, **2020**, 10, 76-85	1.5	2
28	Chromium biosorption onto a locally isolated Cr (Vl) tolerant Gliocladium viride ZIC2063 and phytotoxicity studies. *Annals of Microbiology*, **2012**, 62, 1295-1300	3.2	2
27	Ethno-Environmental Knowledge as A Tool to Combat Indoor Air Pollution in Low Income Countries: A Case Study from Rural Communities in Pakistan **2014**, 2014, 165-175		2
26	Mapping Synergies and Trade-Offs between Sanitation and the Sustainable Development Goals. *SSRN Electronic Journal*,	1	2
25	Classifying occupational exposure risks and recommendations for their control in container-based sanitation systems. *Waterlines*, **2019**, 38, 170-196	0.3	2
24	Closed-Loop Biodigesters on Small-Scale Farms in Low- and Middle-Income Countries: A Review. *Water (Switzerland)*, **2021**, 13, 2744	3	2
23	Nonintrusive investigation of large Al-kaolin fractal aggregates with slow settling velocities. *Water Research*, **2020**, 185, 116287	12.5	2
22	Investigating reverse osmosis membrane fouling and scaling by membrane autopsy of a bench scale device. *Environmental Technology (United Kingdom)*, **2021**, 1-14	2.6	2
21	Effective Degradation of Humic Acids in Water by Zero Fenton Process. *Microscopy and Microanalysis*, **2018**, 24, 696-697	0.5	2
20	Degradation of Metaldehyde in Aqueous Solution by Nano-Sized Photocatalysts and Granular Activated Carbon. *Journal of Nanoscience and Nanotechnology*, **2020**, 20, 4505-4508	1.3	1

19	Efficient Spent Sulfidic Caustic (SSC) Wastewater Treatment Using Nano TiO Bottom Ash (NTB) Composite. *Journal of Nanoscience and Nanotechnology*, **2019**, 19, 1014-1017	1.3	1
18	Preliminary study on low-density polystyrene microplastics bead removal from drinking water by coagulation-flocculation and sedimentation. *Journal of Water Process Engineering*, **2021**, 44, 102346	6.7	1
17	Simultaneous measurement of free and conjugated estrogens in surface water using capillary liquid chromatography tandem mass spectrometry. *Analyst, The*, **2021**, 146, 2689-2704	5	1
16	Photodegradation of free estrogens driven by the UV light: Effects of operation mode and water matrix.. *Science of the Total Environment*, **2022**, 155515	10.2	1
15	Dissolved oxygen and idle time effects on sewage bioremediation. *Water Management*, **2014**, 167, 334-341		0
14	Rainwater Recycling in Buildings **2013**, 190-208		0
13	The impact of micropollutants on native algae and cyanobacteria communities in ecological filters during drinking water treatment.. *Science of the Total Environment*, **2022**, 822, 153401	10.2	0
12	Impacts of behavioural factors on the household water consumption in urban areas. *Proceedings of the Institution of Civil Engineers: Municipal Engineer*,1-36	0.5	0
11	Machine Learning Approach to Predict Quality Parameters for Bacterial Consortium-Treated Hospital Wastewater and Phytotoxicity Assessment on Radish, Cauliflower, Hot Pepper, Rice and Wheat Crops. *Water (Switzerland)*, **2022**, 14, 116	3	0
10	Adaptation of UK wastewater infrastructure to climate change. *Infrastructure Asset Management*, **2015**, 2, 97-106	1.8	0
9	Fenton pre-oxidation of natural organic matter in drinking water treatment through the application of iron nails. *Environmental Technology (United Kingdom)*, **2021**, 1-14	2.6	0
8	Spatiotemporal forecasting for dengue, chikungunya fever and Zika using machine learning and artificial expert committees based on meta-heuristics. *Research on Biomedical Engineering*,1	1.2	0
7	Bioaccumulation of metals by algae from acid mine drainage: a case study of Frongoch Mine (UK).. *Environmental Science and Pollution Research*, **2022**, 1	5.1	0
6	Central composite rotatable design for optimization of trihalomethane extraction and detection through gas chromatography: a case study. *International Journal of Environmental Science and Technology*,1	3.3	0
5	Removal of diethyltoluamide, paracetamol, caffeine and triclosan from natural water by photo-Fenton process using powdered zero-valent iron. *Journal of Water Process Engineering*, **2022**, 48, 102907	6.7	0
4	Adsorption and photocatalytic degradation of metaldehyde in aqueous solution. *Water Science and Technology: Water Supply*, **2015**, 15, 533-540	1.4	
3	Estudo da descoloração do corante FD&C azul no 2 Indigotina pelo tratamento combinado do fungo Trametes versicolor e processo de filtração lenta. *Engenharia Sanitaria E Ambiental*, **2014**, 19, 113-120	0.4	
2	Water and Sanitation-Related Diseases and the Environment: Challenges, Interventions, and Preventive Measures. *Waterlines*, **2012**, 31, 244-245	0.3	

1 Eficiência de um sistema piloto de dessalinização de água salobra. *Engenharia Sanitaria E Ambiental*, **2020**, 25, 107-114 0.4