Luiza C. Campos

List of Publications by Year in Descending Order

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

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	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
107	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
106	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
105	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
104	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
103	Closed-Loop Biodigesters on Small-Scale Farms in Low- and Middle-Income Countries: A Review. *Water (Switzerland)*, **2021**, 13, 2744	3	2
102	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
101	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
100	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
99	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
98	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
97	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
96	Linkages between sanitation and the sustainable development goals: A case study of Brazil. *Sustainable Development*, **2021**, 29, 339-352	6.7	5
95	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
94	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
93	Influence of slow sand filter cleaning process type on filter media biomass: backwashing versus scraping. *Water Research*, **2021**, 189, 116581	12.5	4
92	Closed-loop organic waste management systems for family farmers in Brazil. *Environmental Technology (United Kingdom)*, **2021**, 1-18	2.6	8

91	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
90	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
89	Removal of antibiotics in sand, GAC, GAC sandwich and anthracite/sand biofiltration systems. *Chemosphere*, **2021**, 275, 130004	8.4	6
88	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
87	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
86	Photocatalytic Degradation of Polyamide 66; Evaluating the Feasibility of Photocatalysis as a Microfibre-Targeting Technology. *Water (Switzerland)*, **2020**, 12, 3551	3	6
85	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
84	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
83	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
82	Assessing the Vulnerability of Agriculture Systems to Climate Change in Coastal Areas: A Novel Index. *Sustainability*, **2020**, 12, 4771	3.6	9
81	Eficiência de um sistema piloto de dessalinização de água salobra. *Engenharia Sanitaria E Ambiental*, **2020**, 25, 107-114	0.4	
80	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
79	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
78	Drinking water biofiltration: Behaviour of antibiotic resistance genes and the association with bacterial community. *Water Research*, **2020**, 182, 115954	12.5	14
77	Assessment of microplastics in freshwater systems: A review. *Science of the Total Environment*, **2020**, 707, 135578	10.2	219
76	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
75	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
74	Nonintrusive investigation of large Al-kaolin fractal aggregates with slow settling velocities. *Water Research*, **2020**, 185, 116287	12.5	2

73	Indigenous Bacillus spp. and : sustainable solution for bioremediation of hospital wastewater. *Environmental Technology (United Kingdom)*, **2020**, 1-14	2.6	7
72	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
71	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
70	Biomass Ashes for Acid Mine Drainage Remediation. *Waste and Biomass Valorization*, **2020**, 11, 4977-4989	3.2	4
69	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
68	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
67	Removal of Humic Acid from Natural Water by ZVI/H2O2 Process. *Microscopy and Microanalysis*, **2019**, 25, 798-799	0.5	3
66	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
65	The significance of measuring embodied carbon dioxide equivalent in water sector infrastructure. *Journal of Cleaner Production*, **2019**, 216, 268-276	10.3	4
64	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
63	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
62	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
61	Occurrence of PPCPs in a Brazilian water reservoir and their removal efficiency by ecological filtration. *Chemosphere*, **2019**, 226, 210-219	8.4	38
60	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
59	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
58	Classifying occupational exposure risks and recommendations for their control in container-based sanitation systems. *Waterlines*, **2019**, 38, 170-196	0.3	2
57	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
56	The impact of humic acid on metaldehyde adsorption onto powdered activated carbon in aqueous solution.. *RSC Advances*, **2018**, 9, 11-22	3.7	8

55	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
54	Characterization of , UTEX 1230. *Biology*, **2018**, 7,	4.9	24
53	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
52	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
51	Removal of Humic Acid in Water Using Novel Nanomaterials. *Journal of Nanoscience and Nanotechnology*, **2018**, 18, 2249-2251	1.3	4
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	Effective Degradation of Humic Acids in Water by Zero Fenton Process. *Microscopy and Microanalysis*, **2018**, 24, 696-697	0.5	2
48	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
47	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
46	Sorption of metaldehyde using granular activated carbon. *Journal of Water Reuse and Desalination*, **2017**, 7, 280-287	2.6	21
45	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
44	Role of the functional groups in the adsorption of bisphenol A onto activated carbon: thermal modification and mechanism **2017**, 66, 105-115		12
43	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
42	Fractal dimension of large aggregates under different flocculation conditions. *Science of the Total Environment*, **2017**, 609, 807-814	10.2	36
41	Degradation of metaldehyde in water by nanoparticle catalysts and powdered activated carbon. *Environmental Science and Pollution Research*, **2017**, 24, 17861-17873	5.1	13
40	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
39	Airborne biological hazards and urban transport infrastructure: current challenges and future directions. *Environmental Science and Pollution Research*, **2016**, 23, 15757-66	5.1	22
38	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

37	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
36	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
35	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
34	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
33	Development and application of a methodology to assess sanitary risks in Maputo, Mozambique. *Environment and Urbanization*, **2015**, 27, 371-388	3.7	14
32	Dependence of floc properties on coagulant type, dosing mode and nature of particles. *Water Research*, **2015**, 68, 119-26	12.5	48
31	Adsorption and photocatalytic degradation of metaldehyde in aqueous solution. *Water Science and Technology: Water Supply*, **2015**, 15, 533-540	1.4	
30	Adaptation of UK wastewater infrastructure to climate change. *Infrastructure Asset Management*, **2015**, 2, 97-106	1.8	3
29	Adaptation of UK wastewater infrastructure to climate change. *Infrastructure Asset Management*, **2015**, 2, 97-106	1.8	0
28	Removal of pharmaceutical and personal care products (PPCPs) pollutants from water by novel TiO2/Coconut Shell Powder (TCNSP) composite. *Journal of Industrial and Engineering Chemistry*, **2014**, 20, 979-987	6.3	41
27	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	
26	Dissolved oxygen and idle time effects on sewage bioremediation. *Water Management*, **2014**, 167, 334-341	1	0
25	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
24	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
23	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
22	Removal of Metaldehyde Through Photocatalytic Reactions Using Nano-Sized Zinc Oxide Composites. *Water, Air, and Soil Pollution*, **2013**, 224, 1	2.6	21
21	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
20	Rainwater Recycling in Buildings **2013**, 190-208		0

19	Evaluation of a silver-ion based purification system for rainwater harvesting at a small-scale community level **2013**, 62, 545-551		7
18	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
17	Water and Sanitation-Related Diseases and the Environment: Challenges, Interventions, and Preventive Measures. *Waterlines*, **2012**, 31, 244-245	0.3	
16	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
15	Breakage and re-growth of flocs: effect of additional doses of coagulant species. *Water Research*, **2011**, 45, 6718-24	12.5	42
14	Malignant transformation in melanocytes is associated with increased production of procoagulant microvesicles. *Thrombosis and Haemostasis*, **2011**, 106, 712-23	7	44
13	Converting rain into drinking water: quality issues and technological advances. *Water Science and Technology: Water Supply*, **2011**, 11, 659-667	1.4	8
12	Influence of flocs breakage process on submerged ultrafiltration membrane fouling. *Journal of Membrane Science*, **2011**, 385-386, 194-199	9.6	24
11	The role of mixing conditions on floc growth, breakage and re-growth. *Chemical Engineering Journal* , **2011**, 171, 425-430	14.7	83
10	Breakage and regrowth of Al-humic flocs--effect of additional coagulant dosage. *Environmental Science & Technology*, **2010**, 44, 6371-6	10.3	77
9	Breakage and re-growth of flocs formed by charge neutralization using alum and polyDADMAC. *Water Research*, **2010**, 44, 3959-65	12.5	59
8	The effect of additional coagulant on the re-growth of alum-kaolin flocs. *Separation and Purification Technology*, **2010**, 74, 305-309	8.3	37
7	Deterministic-Based Model of Slow Sand Filtration. I: Model Development. *Journal of Environmental Engineering, ASCE*, **2006**, 132, 872-886	2	13
6	Deterministic-Based Model of Slow Sand Filtration. II: Model Application. *Journal of Environmental Engineering, ASCE*, **2006**, 132, 887-894	2	8
5	Biomass development in slow sand filters. *Water Research*, **2002**, 36, 4543-51	12.5	77
4	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
3	Mapping Synergies and Trade-Offs between Sanitation and the Sustainable Development Goals. *SSRN Electronic Journal*,	1	2
2	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

1	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