Regina Nogueira

List of Publications by Citations

75 papers	1,947 citations	21 h-index	42 g-index
80 ext. papers	2,179 ext. citations	4.3 avg, IF	4.71 L-index

#	Paper	IF	Citations
75	Microbial community composition and function in wastewater treatment plants. *Antonie Van Leeuwenhoek*, **2002**, 81, 665-80	2.1	287
74	Nitrifying and heterotrophic population dynamics in biofilm reactors: effects of hydraulic retention time and the presence of organic carbon. *Water Research*, **2002**, 36, 469-81	12.5	184
73	Phosphorus fractionation in volcanic lake sediments (Azores - Portugal). *Chemosphere*, **2008**, 70, 1256-63	8.4	112
72	Quantification of humic acids in surface water: effects of divalent cations, pH, and filtration. *Journal of Environmental Monitoring*, **2009**, 11, 377-82		106
71	Competition between Nitrospira spp. and Nitrobacter spp. in nitrite-oxidizing bioreactors. *Biotechnology and Bioengineering*, **2006**, 95, 169-75	4.9	103
70	Life cycle assessment of wastewater treatment options for small and decentralized communities. *Water Science and Technology*, **2007**, 56, 15-22	2.2	93
69	In situ microbial fuel cell-based biosensor for organic carbon. *Bioelectrochemistry*, **2011**, 81, 99-103	5.6	76
68	Heat and Bleach: A Cost-Efficient Method for Extracting Microplastics from Return Activated Sludge. *Archives of Environmental Contamination and Toxicology*, **2017**, 73, 641-648	3.2	64
67	Legionella occurrence in municipal and industrial wastewater treatment plants and risks of reclaimed wastewater reuse: Review. *Water Research*, **2019**, 149, 21-34	12.5	50
66	Assessing the degradation of ochratoxin a using a bioassay: the case of contaminated winery wastewater. *Water Science and Technology*, **2007**, 56, 55-61	2.2	46
65	Structure and activity of lacustrine sediment bacteria involved in nutrient and iron cycles. *FEMS Microbiology Ecology*, **2011**, 77, 666-79	4.3	42
64	Towards implementation of a benthic microbial fuel cell in lake Furnas (Azores): phylogenetic affiliation and electrochemical activity of sediment bacteria. *Bioelectrochemistry*, **2010**, 78, 67-71	5.6	40
63	Influence of tetracycline on the microbial community composition and activity of nitrifying biofilms. *Chemosphere*, **2014**, 117, 295-302	8.4	36
62	Prospective scenarios for water quality and ecological status in Lake Sete Cidades (Portugal): The integration of mathematical modelling in decision processes. *Applied Geochemistry*, **2008**, 23, 2171-2181	3.5	34
61	Effect of low concentrations of synthetic surfactants on polycyclic aromatic hydrocarbons (PAH) biodegradation. *International Biodeterioration and Biodegradation*, **2013**, 83, 48-55	4.8	33
60	Synthesis of EVA-g-PLA copolymers using transesterification reactions. *Materials Chemistry and Physics*, **2012**, 134, 103-110	4.4	31
59	Influence of dissolved oxygen on the nitrification kinetics in a circulating bed biofilm reactor. *Bioprocess and Biosystems Engineering*, **1998**, 19, 441		31

58	Coagulant properties of Moringa oleifera protein preparations: application to humic acid removal. *Environmental Technology (United Kingdom)*, **2012**, 33, 69-75	2.6	29
57	Biodegradability assessment of aliphatic polyesters-based blends using standard methods. *Journal of Applied Polymer Science*, **2011**, 119, 3338-3346	2.9	26
56	Economic and environmental assessment of small and decentralized wastewater treatment systems. *Desalination and Water Treatment*, **2009**, 4, 16-21		25
55	Impact of an external electron acceptor on phosphorus mobility between water and sediments. *Bioresource Technology*, **2014**, 151, 419-23	11	23
54	Determination of total and available fractions of PAHs by SPME in oily wastewaters: overcoming interference from NAPL and NOM. *Environmental Science and Pollution Research*, **2009**, 16, 671-8	5.1	21
53	Water resources management in southern Europe: clues for a research and innovation based regional hypercluster. *Journal of Environmental Management*, **2013**, 119, 76-84	7.9	20
52	Brewery and Winery Wastewater Treatment: Some Focal Points of Design and Operation **2007**, 109-131		20
51	Effect of vegetation on the performance of horizontal subsurface flow constructed wetlands with lightweight expanded clay aggregates. *International Journal of Environmental Science and Technology*, **2013**, 10, 433-442	3.3	18
50	Comparative study of polyhydroxyalkanoates production from acidified and anaerobically treated brewery wastewater using enriched mixed microbial culture. *Journal of Environmental Sciences*, **2019**, 78, 137-146	6.4	18
49	Phosphorus–iron interaction in sediments: can an electrode minimize phosphorus release from sediments?. *Reviews in Environmental Science and Biotechnology*, **2014**, 13, 265-275	13.9	17
48	Synthesis of aluminium nanoparticles in a PP matrix during melt processing: Effect of the alkoxide organic chain. *Reactive and Functional Polymers*, **2012**, 72, 703-712	4.6	17
47	Sequencing batch biofilm reactor: from support design to reactor operation. *Environmental Technology (United Kingdom)*, **2011**, 32, 1121-9	2.6	17
46	Evaluating heterotrophic growth in a nitrifying biofilm reactor using fluorescence in situ hybridization and mathematical modeling. *Water Science and Technology*, **2005**, 52, 135-141	2.2	17
45	Phosphorus Removal from Eutrophic Waters with an Aluminium Hybrid Nanocomposite. *Water, Air, and Soil Pollution*, **2012**, 223, 4831-4840	2.6	16
44	Bacterial Diversity and Geochemical Profiles in Sediments from Eutrophic Azorean Lakes. *Geomicrobiology Journal*, **2012**, 29, 704-715	2.5	15
43	Synthesis and degradation of poly-beta-hydroxybutyrate in a sequencing batch biofilm reactor. *Bioresource Technology*, **2009**, 100, 2106-10	11	14
42	Confocal Raman microscopy and fluorescent in situ hybridization - A complementary approach for biofilm analysis. *Chemosphere*, **2016**, 161, 112-118	8.4	13
41	Mineral cycling and pH gradient related with biological activity under transient anoxic-oxic conditions: effect on P mobility in volcanic lake sediments. *Environmental Science & Technology* , **2014**, 48, 9205-10	10.3	13

40	A flat microbial fuel cell for decentralized wastewater valorization: process performance and optimization potential. *Environmental Technology (United Kingdom)*, **2013**, 34, 1947-56	2.6	13
39	A control system for ultrasound devices utilized for inactivating E. coli in wastewater. *Ultrasonics Sonochemistry*, **2018**, 40, 158-162	8.9	12
38	Biofilms formed on humic substances: response to flow conditions and carbon concentrations. *Bioresource Technology*, **2010**, 101, 6888-94	11	12
37	Occurrence of Legionella in wastewater treatment plants linked to wastewater characteristics. *Environmental Science and Pollution Research*, **2016**, 23, 16873-81	5.1	11
36	Seasonal variation of nutrient removal in a full-scale horizontal constructed wetland. *Energy Procedia*, **2017**, 136, 225-232	2.3	11
35	Characterization of biofilm formation on a humic material. *Journal of Industrial Microbiology and Biotechnology*, **2008**, 35, 1269-76	4.2	11
34	Evaluation of Properties and Biodeterioration Potential of Polyethylene and Aliphatic Polyester Blends. *International Polymer Processing*, **2007**, 22, 512-518	1	11
33	A mass balance approach to the fate of viruses in a municipal wastewater treatment plant during summer and winter seasons. *Water Science and Technology*, **2014**, 69, 364-70	2.2	9
32	Biobased grafted polyesters prepared by in situ ring-opening polymerization. *Reactive and Functional Polymers*, **2011**, 71, 694-703	4.6	9
31	Continuous cultivation strategy for yeast industrial wastewater-based polyhydroxyalkanoate production. *Journal of Bioscience and Bioengineering*, **2020**, 129, 595-602	3.3	9
30	Polyhydroxyalkanoates production from industrial wastewaters using a mixed culture enriched with Thauera sp.: Inhibitory effect of the wastewater matrix. *Environmental Technology and Innovation*, **2021**, 21, 101328	7	9
29	Effectiveness and Temporal Variation of a Full-Scale Horizontal Constructed Wetland in Reducing Nitrogen and Phosphorus from Domestic Wastewater. *ChemEngineering*, **2018**, 2, 3	2.6	8
28	A poly-ε-caprolactone based biofilm carrier for nitrate removal from water. *International Journal of Environmental Science and Technology*, **2014**, 11, 263-268	3.3	8
27	Use of biopolymers as solid substrates for denitrification. *Water Science and Technology*, **2012**, 65, 105-11	1.2	7
26	Influence of carrier concentration on the control of Galactomyces geotrichum bulking and bacterial community of biofilm reactors. *Desalination and Water Treatment*, **2012**, 41, 325-334		7
25	Removal of tetracycline from contaminated water by Moringa oleifera seed preparations. *Environmental Technology (United Kingdom)*, **2016**, 37, 744-51	2.6	6
24	Hybrid Nanocomposite Preparation in a Batch Mixer and a Twin-Screw Extruder. *Advances in Polymer Technology*, **2013**, 32, E732-E740	1.9	6
23	Preparation of Biodegradable Materials by Reactive Extrusion. *Materials Science Forum*, **2008**, 587-588, 520-524	0.4	6

22	A technique using a membrane flow cell to determine average mass transfer coefficients and tortuosity factors in biofilms. *Water Science and Technology*, **2003**, 47, 61-67	2.2	6
21	Strategies for the reduction of Legionella in biological treatment systems. *Water Science and Technology*, **2016**, 74, 816-23	2.2	6
20	Interaction of Moringa oleifera seed lectin with humic acid. *Chemical Papers*, **2011**, 65,	1.9	5
19	Removal of phosphorus from water using active barriers: Al2O3 immobilized on to polyolefins. *Environmental Technology (United Kingdom)*, **2011**, 32, 989-95	2.6	5
18	Control of nitrification efficiency in a new biofilm reactor. *Water Science and Technology*, **1997**, 36, 31-41	2.2	5
17	Temperature-driven growth of Legionella in lab-scale activated sludge systems and interaction with protozoa. *International Journal of Hygiene and Environmental Health*, **2018**, 221, 315-322	6.9	4
16	Effect of PCL and EVA Molar Mass on the Development of Sustainable Polymers. *Soft Materials*, **2014**, 12, 88-97	1.7	4
15	Synthesis of Biodegradable Copolymers Based on Ethylene Vinyl Acetate and Polylactic Acid. *Materials Science Forum*, **2010**, 636-637, 819-824	0.4	4
14	Depuranat project: sustainable management of wastewater in rural areas. *Desalination and Water Treatment*, **2009**, 4, 59-68		4
13	Calcium carbonate deposits and microbial assemblages on microplastics in oligotrophic freshwaters. *Chemosphere*, **2021**, 266, 128942	8.4	4
12	Virus elimination in activated sludge systems: from batch tests to mathematical modeling. *Water Science and Technology*, **2014**, 70, 1115-21	2.2	3
11	Development of Permeable Reactive Barrier for Phosphorus Removal. *Materials Science Forum*, **2010**, 636-637, 1365-1370	0.4	3
10	Nitrogen removal in a Sequencing Batch Biofilm Reactor: effect of carbon availability and intermittent aeration. *World Review of Science, Technology and Sustainable Development*, **2009**, 6, 173	1	3
9	Energy-saving wastewater treatment systems: formulation of cost functions. *Water Science and Technology*, **2007**, 56, 85-92	2.2	3
8	Modeling of Symbiotic Bacterial Biofilm Growth with an Example of the Streptococcus-Veillonella sp. System. *Bulletin of Mathematical Biology*, **2021**, 83, 48	2.1	3
7	Sinks and sources of anammox bacteria in a wastewater treatment plant - screening with qPCR. *Water Science and Technology*, **2018**, 78, 441-451	2.2	2
6	Phosphorus removal by a fixed-bed hybrid polymer nanocomposite biofilm reactor. *Chemistry and Ecology*, **2014**, 30, 428-439	2.3	2
5	Cost-effectiveness analysis for sustainable wastewater engineering and water resources management: a case study at Minho-Lima river basins (Portugal). *Desalination and Water Treatment*, **2009**, 4, 22-27		2

4	Valorisation of waste cooking oil using mixed culture into short- and medium-chain length polyhydroxyalkanoates: Effect of concentration, temperature and ammonium. *Journal of Biotechnology*, **2021**, 342, 92-101	3.7	2
3	Influence of the organic loading rate on the growth of Galactomyces geotrichum in activated sludge. *Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering*, **2012**, 47, 565-9	2.3	1
2	Insightful Advancement and Opportunities for Microbial Bioplastic Production.. *Frontiers in Microbiology*, **2021**, 12, 674864	5.7	0
1	Growth kinetics of environmental Legionella pneumophila isolated from industrial wastewater. *International Journal of Environmental Science and Technology*, **2020**, 17, 625-632	3.3	