LÃºcia Chaves SimÃµes

List of Publications by Year
in descending order

63 papers	3,339 citations	172386 29 h-index	149623 56 g-index
63 all docs	63 docs citations	63 times ranked	4076 citing authors

#	Article	IF	Citations
1	A review of current and emergent biofilm control strategies. LWT - Food Science and Technology, 2010, 43, 573-583.	2.5	845
2	Biofilm Interactions between Distinct Bacterial Genera Isolated from Drinking Water. Applied and Environmental Microbiology, 2007, 73, 6192-6200.	1.4	151
3	Antimicrobial Activity of Selected Phytochemicals against Escherichia coli and Staphylococcus aureus and Their Biofilms. Pathogens, 2014, 3, 473-498.	1.2	151
4	Biofilms in drinking water: problems and solutions. RSC Advances, 2013, 3, 2520-2533.	1.7	142
5	Influence of the Diversity of Bacterial Isolates from Drinking Water on Resistance of Biofilms to Disinfection. Applied and Environmental Microbiology, 2010, 76, 6673-6679.	1.4	135
6	Species association increases biofilm resistance to chemical and mechanical treatments. Water Research, 2009, 43, 229-237.	5.3	133
7	Potential of the adhesion of bacteria isolated from drinking water to materials. Journal of Basic Microbiology, 2007, 47, 174-183.	1.8	105
8	An overview on the reactors to study drinking water biofilms. Water Research, 2014, 62, 63-87.	5.3	91
9	Antibacterial activity and mode of action of selected glucosinolate hydrolysis products against bacterial pathogens. Journal of Food Science and Technology, 2015, 52, 4737-4748.	1.4	91
10	Control of Flow-Generated Biofilms with Surfactants. Food and Bioproducts Processing, 2006, 84, 338-345.	1.8	89
11	Intergeneric Coaggregation among Drinking Water Bacteria: Evidence of a Role for Acinetobacter calcoaceticus as a Bridging Bacterium. Applied and Environmental Microbiology, 2008, 74, 1259-1263.	1.4	88
12	Adhesion and biofilm formation on polystyrene by drinking water-isolated bacteria. Antonie Van Leeuwenhoek, 2010, 98, 317-329.	0.7	84
13	Emerging contaminants affect the microbiome of water systemsâ€"strategies for their mitigation. Npj Clean Water, 2020, 3, .	3.1	74
14	The effects of emerging environmental contaminants on Stenotrophomonas maltophilia isolated from drinking water in planktonic and sessile states. Science of the Total Environment, 2018, 643, 1348-1356.	3.9	72
15	The effects of a biocide and a surfactant on the detachment of Pseudomonas fluorescens from glass surfaces. International Journal of Food Microbiology, 2008, 121, 335-341.	2.1	62
16	Antagonism betweenBacillus cereusandPseudomonas fluorescensin planktonic systems and in biofilms. Biofouling, 2008, 24, 339-349.	0.8	60
17	The action of selected isothiocyanates on bacterial biofilm prevention and control. International Biodeterioration and Biodegradation, 2014, 86, 25-33.	1.9	58
18	The effects of sodium hypochlorite against selected drinking water-isolated bacteria in planktonic and sessile states. Science of the Total Environment, 2016, 565, 40-48.	3.9	58

#	ARTICLE	IF	CITATIONS
19	Comparative antibacterial potential of selected aldehyde-based biocides and surfactants against planktonic Pseudomonas fluorescens. Journal of Industrial Microbiology and Biotechnology, 2006, 33, 741-749.	1.4	51
20	Use of fluorescent in situ hybridisation for the visualisation of Helicobacter pylori in real drinking water biofilms. Water Science and Technology, 2007, 55, 387-393.	1.2	42
21	Standardized reactors for the study of medical biofilms: a review of the principles and latest modifications. Critical Reviews in Biotechnology, 2018, 38, 657-670.	5.1	40
22	Antimicrobial mechanisms ofortho -phthalaldehyde action. Journal of Basic Microbiology, 2007, 47, 230-242.	1.8	39
23	Antibacterial Activity of Phenyl Isothiocyanate on Escherichia coli and Staphylococcus aureus. Medicinal Chemistry, 2013, 9, 756-761.	0.7	38
24	Physiology and behavior of Pseudomonas fluorescens single and dual strain biofilms under diverse hydrodynamics stresses. International Journal of Food Microbiology, 2008, 128, 309-316.	2.1	37
25	Persister cells in a biofilm treated with a biocide. Biofouling, 2011, 27, 403-411.	0.8	37
26	Drinking water biofilm assessment of total and culturable bacteria under different operating conditions. Biofouling, 2006, 22, 91-99.	0.8	35
27	The effects of glutaraldehyde on the control of single and dual biofilms ofBacillus cereusandPseudomonas fluorescens. Biofouling, 2011, 27, 337-346.	0.8	33
28	Combinatorial approaches with selected phytochemicals to increase antibiotic efficacy against Staphylococcus aureus biofilms. Biofouling, 2016, 32, 1103-1114.	0.8	32
29	The action of chemical and mechanical stresses on single and dual species biofilm removal of drinking water bacteria. Science of the Total Environment, 2018, 631-632, 987-993.	3.9	31
30	Copper Surfaces in Biofilm Control. Nanomaterials, 2020, 10, 2491.	1.9	26
31	Legionella pneumophila. Trends in Microbiology, 2021, 29, 860-861.	3.5	25
32	Adhesion of filamentous fungi isolated from drinking water under different process conditions. Water Research, 2019, 164, 114951.	5.3	24
33	Bacterial coaggregation in aquatic systems. Water Research, 2021, 196, 117037.	5.3	22
34	Microalgal-based removal of contaminants of emerging concern. Journal of Hazardous Materials, 2022, 423, 127153.	6.5	22
35	Sodium dodecyl sulfate allows the persistence and recovery of biofilms ofPseudomonas fluorescensformed under different hydrodynamic conditions. Biofouling, 2008, 24, 35-44.	0.8	21
36	The effects of metabolite molecules produced by drinking water-isolated bacteria on their single and multispecies biofilms. Biofouling, 2011, 27, 685-699.	0.8	21

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37	The effects of pharmaceutical and personal care products on the behavior of Burkholderia cepacia isolated from drinking water. International Biodeterioration and Biodegradation, 2019, 141, 87-93.	1.9	21
38	Influence of surface copper content onStenotrophomonas maltophiliabiofilm control using chlorine and mechanical stress. Biofouling, 2020, 36, 1-13.	0.8	20
39	Kinetics of biofilm formation by drinking water isolated Penicillium expansum. Biofouling, 2015, 31, 349-362.	0.8	19
40	Prolonged exposure of Stenotrophomonas maltophilia biofilms to trace levels of clofibric acid alters antimicrobial tolerance and virulence. Chemosphere, 2019, 235, 327-335.	4.2	19
41	Biofilm control by ionic liquids. Drug Discovery Today, 2021, 26, 1340-1346.	3.2	18
42	The role of surface copper content on biofilm formation by drinking water bacteria. RSC Advances, 2019, 9, 32184-32196.	1.7	16
43	Overview on the hydrodynamic conditions found in industrial systems and its impact in (bio)fouling formation. Chemical Engineering Journal, 2021, 418, 129348.	6.6	16
44	In vitroassessment of inter-kingdom biofilm formation by bacteria and filamentous fungi isolated from a drinking water distribution system. Biofouling, 2019, 35, 1041-1054.	0.8	15
45	Occurrence of filamentous fungi in drinking water: their role on fungal-bacterial biofilm formation. Research in Microbiology, 2021, 172, 103791.	1.0	15
46	Chlorinated cyanurates and potassium salt of peroxymonosulphate as antimicrobial and antibiofilm agents for drinking water disinfection. Science of the Total Environment, 2022, 811, 152355.	3.9	14
47	Proposal for a method to estimate nutrient shock effects in bacteria. BMC Research Notes, 2012, 5, 422.	0.6	12
48	Extendedâ€spectrum Î²â€lactamase and carbapenemaseâ€producing Aeromonas species in wild animals from Portugal. Veterinary Record, 2014, 174, 532-532.	0.2	12
49	Biofilm formation under high shear stress increases resilience to chemical and mechanical challenges. Biofouling, 2022, 38, 1-12.	0.8	12
50	Phytochemicals Against Drug-Resistant Microbes. , 2012, , 185-205.		11
51	The Effects of Chemical and Mechanical Stresses on Bacillus cereus and Pseudomonas fluorescens Single- and Dual-Species Biofilm Removal. Microorganisms, 2021, 9, 1174.	1.6	10
52	Methods to study microbial adhesion on abiotic surfaces. AIMS Bioengineering, 2015, 2, 297-309.	0.6	9
53	Effect of quorum sensing and quenching molecules on inter-kingdom biofilm formation by Penicillium expansum and bacteria. Biofouling, 2020, 36, 965-976.	0.8	8
54	Biocides. , 2018, , 478-478.		7

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55	LegionellaDB â€“ A Database on Legionella Outbreaks. Trends in Microbiology, 2021, 29, 863-866.	3.5	7
56	A comparative study of drinking water biofilm monitoring with flow cell and Propellaâ„¢ bioreactors. Water Science and Technology: Water Supply, 2012, 12, 334-342.	1.0	5
57	The role of filamentous fungi in drinking water biofilm formation. , 2020, , 101-125.		3
58	What should be considered in the treatment of bacterial infections by multi-drug therapies: A mathematical perspective?. Drug Resistance Updates, 2014, 17, 51-63.	6.5	2
59	Methylobacterium oryzae Influences Isoepoxydon Dehydrogenase Gene Expression and Patulin Production by Penicillium expansum. Water (Switzerland), 2021, 13, 1427.	1.2	1
60	Influence of surface materials on biofilm formation. , 2022, , 45-63.		1
61	Phytochemicals Against Drug-Resistant Bacterial Biofilms and Use of Green Extraction Solvents to Increase Their Bioactivity. Advances in Experimental Medicine and Biology, 2022, , .	0.8	1
62	The Role of Inter-Kingdom Interactions by Drinking Water-Isolated Microorganisms in Biofilm Development and Control. SSRN Electronic Journal, 0, , .	0.4	0
63	DESAFIOS NO ENSINO DA CIÃŠNCIA E TECNOLOGIA DOS BIOFILMES. , 0, , 190-198.		0