

# Manuel Simes

## List of Publications by Citations

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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.

220  
papers

10,523  
citations

50  
h-index

97  
g-index

231  
ext. papers

12,474  
ext. citations

5.4  
avg, IF

6.87  
L-index

#	Paper	IF	Citations
220	A review of current and emergent biofilm control strategies. <i>LWT - Food Science and Technology</i> , <b>2010</b> , 43, 573-583	5.4	697
219	Harvesting techniques applied to microalgae: A review. <i>Renewable and Sustainable Energy Reviews</i> , <b>2015</b> , 41, 1489-1500	16.2	549
218	Antibacterial activity and mode of action of ferulic and gallic acids against pathogenic bacteria. <i>Microbial Drug Resistance</i> , <b>2013</b> , 19, 256-65	2.9	539
217	Recent developments on carbon capture and storage: An overview. <i>Chemical Engineering Research and Design</i> , <b>2011</b> , 89, 1446-1460	5.5	486
216	Critical review on biofilm methods. <i>Critical Reviews in Microbiology</i> , <b>2017</b> , 43, 313-351	7.8	454
215	A review on the use of microalgal consortia for wastewater treatment. <i>Algal Research</i> , <b>2017</b> , 24, 403-415		328
214	Carbon dioxide capture from flue gases using microalgae: Engineering aspects and biorefinery concept. <i>Renewable and Sustainable Energy Reviews</i> , <b>2012</b> , 16, 3043-3053	16.2	298
213	Plants as sources of new antimicrobials and resistance-modifying agents. <i>Natural Product Reports</i> , <b>2012</b> , 29, 1007-21	15.1	293
212	Understanding antimicrobial activities of phytochemicals against multidrug resistant bacteria and biofilms. <i>Natural Product Reports</i> , <b>2009</b> , 26, 746-57	15.1	267
211	Overview on the developments of microbial fuel cells. <i>Biochemical Engineering Journal</i> , <b>2013</b> , 73, 53-64	4.2	252
210	Alternative disinfection methods to chlorine for use in the fresh-cut industry. <i>Food Research International</i> , <b>2016</b> , 82, 71-85	7	183
209	The activity of ferulic and gallic acids in biofilm prevention and control of pathogenic bacteria. <i>Biofouling</i> , <b>2012</b> , 28, 755-67	3.3	178
208	Intra- and inter-species interactions within biofilms of important foodborne bacterial pathogens. <i>Frontiers in Microbiology</i> , <b>2015</b> , 6, 841	5.7	162
207	Toxins and Their Molecular Activity in Infectious Diseases. <i>Toxins</i> , <b>2018</b> , 10,	4.9	151
206	Parametric study of a brewery effluent treatment by microalgae <i>Scenedesmus obliquus</i> . <i>Bioresource Technology</i> , <b>2012</b> , 107, 151-8	11	138
205	Antibacterial Effects and Mode of Action of Selected Essential Oils Components against <i>Escherichia coli</i> and <i>Staphylococcus aureus</i> . <i>Evidence-based Complementary and Alternative Medicine</i> , <b>2015</b> , 2015, 795435	2.3	128
204	Biofilm interactions between distinct bacterial genera isolated from drinking water. <i>Applied and Environmental Microbiology</i> , <b>2007</b> , 73, 6192-200	4.8	127

203	Effect of mechanical stress on biofilms challenged by different chemicals. <i>Water Research</i> , <b>2005</b> , 39, 5142-52	12.5	122
202	New Perspectives on the Use of Phytochemicals as an Emergent Strategy to Control Bacterial Infections Including Biofilms. <i>Molecules</i> , <b>2016</b> , 21,	4.8	120
201	Species association increases biofilm resistance to chemical and mechanical treatments. <i>Water Research</i> , <b>2009</b> , 43, 229-37	12.5	115
200	Influence of the diversity of bacterial isolates from drinking water on resistance of biofilms to disinfection. <i>Applied and Environmental Microbiology</i> , <b>2010</b> , 76, 6673-9	4.8	112
199	Antimicrobial activity of phenolics and glucosinolate hydrolysis products and their synergy with streptomycin against pathogenic bacteria. <i>Medicinal Chemistry</i> , <b>2010</b> , 6, 174-83	1.8	111
198	Biofilms in drinking water: problems and solutions. <i>RSC Advances</i> , <b>2013</b> , 3, 2520-2533	3.7	108
197	Wastewater treatment to enhance the economic viability of microalgae culture. <i>Environmental Science and Pollution Research</i> , <b>2013</b> , 20, 5096-105	5.1	108
196	Current and emergent strategies for disinfection of hospital environments. <i>Journal of Antimicrobial Chemotherapy</i> , <b>2013</b> , 68, 2718-32	5.1	104
195	Antimicrobial Activity of Selected Phytochemicals against Escherichia coli and Staphylococcus aureus and Their Biofilms. <i>Pathogens</i> , <b>2014</b> , 3, 473-98	4.5	103
194	Flow cell hydrodynamics and their effects on E. coli biofilm formation under different nutrient conditions and turbulent flow. <i>Biofouling</i> , <b>2011</b> , 27, 1-11	3.3	102
193	Evaluation of the effects of selected phytochemicals on quorum sensing inhibition and in vitro cytotoxicity. <i>Biofouling</i> , <b>2014</b> , 30, 183-95	3.3	97
192	Antimicrobial strategies effective against infectious bacterial biofilms. <i>Current Medicinal Chemistry</i> , <b>2011</b> , 18, 2129-45	4.3	94
191	Physiological changes induced by the quaternary ammonium compound benzyldimethyldodecylammonium chloride on Pseudomonas fluorescens. <i>Journal of Antimicrobial Chemotherapy</i> , <b>2011</b> , 66, 1036-43	5.1	92
190	The effect of hydrodynamic conditions on the phenotype of Pseudomonas fluorescens biofilms. <i>Biofouling</i> , <b>2007</b> , 23, 249-58	3.3	92
189	The effect of increasing CO2 concentrations on its capture, biomass production and wastewater bioremediation by microalgae and cyanobacteria. <i>Algal Research</i> , <b>2016</b> , 14, 127-136	5	89
188	Potential of the adhesion of bacteria isolated from drinking water to materials. <i>Journal of Basic Microbiology</i> , <b>2007</b> , 47, 174-83	2.7	88
187	Action of a cationic surfactant on the activity and removal of bacterial biofilms formed under different flow regimes. <i>Water Research</i> , <b>2005</b> , 39, 478-86	12.5	83
186	Intergeneric coaggregation among drinking water bacteria: evidence of a role for Acinetobacter calcoaceticus as a bridging bacterium. <i>Applied and Environmental Microbiology</i> , <b>2008</b> , 74, 1259-63	4.8	79

185	The effect of light supply on microalgal growth, CO <sub>2</sub> uptake and nutrient removal from wastewater. <i>Energy Conversion and Management</i> , <b>2014</b> , 85, 530-536	10.6	78
184	Control of Flow-Generated Biofilms with Surfactants. <i>Food and Bioproducts Processing</i> , <b>2006</b> , 84, 338-345	4.9	76
183	A 1D mathematical model for a microbial fuel cell. <i>Energy</i> , <b>2013</b> , 61, 463-471	7.9	73
182	Insights on antimicrobial resistance, biofilms and the use of phytochemicals as new antimicrobial agents. <i>Current Medicinal Chemistry</i> , <b>2015</b> , 22, 2590-614	4.3	71
181	Adhesion and biofilm formation on polystyrene by drinking water-isolated bacteria. <i>Antonie Van Leeuwenhoek</i> , <b>2010</b> , 98, 317-29	2.1	70
180	An overview on the reactors to study drinking water biofilms. <i>Water Research</i> , <b>2014</b> , 62, 63-87	12.5	67
179	Initial in vitro evaluations of the antibacterial activities of glucosinolate enzymatic hydrolysis products against plant pathogenic bacteria. <i>Journal of Applied Microbiology</i> , <b>2009</b> , 106, 2096-105	4.7	67
178	The current knowledge on the application of anti-biofilm enzymes in the food industry. <i>Food Research International</i> , <b>2016</b> , 86, 140-146	7	64
177	Biotechnological potential of <i>Synechocystis salina</i> co-cultures with selected microalgae and cyanobacteria: Nutrients removal, biomass and lipid production. <i>Bioresource Technology</i> , <b>2016</b> , 200, 279-86	11	56
176	Antibacterial activity and mode of action of selected glucosinolate hydrolysis products against bacterial pathogens. <i>Journal of Food Science and Technology</i> , <b>2015</b> , 52, 4737-48	3.3	56
175	The effects of ferulic and salicylic acids on <i>Bacillus cereus</i> and <i>Pseudomonas fluorescens</i> single- and dual-species biofilms. <i>International Biodeterioration and Biodegradation</i> , <b>2014</b> , 86, 42-51	4.8	56
174	The effects of a biocide and a surfactant on the detachment of <i>Pseudomonas fluorescens</i> from glass surfaces. <i>International Journal of Food Microbiology</i> , <b>2008</b> , 121, 335-41	5.8	55
173	The effects of light and temperature on microalgal growth and nutrient removal: an experimental and mathematical approach. <i>RSC Advances</i> , <b>2016</b> , 6, 22896-22907	3.7	54
172	<i>Escherichia coli</i> adhesion, biofilm development and antibiotic susceptibility on biomedical materials. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2015</b> , 103, 1414-23	5.4	53
171	Enhancement of <i>Escherichia coli</i> and <i>Staphylococcus aureus</i> antibiotic susceptibility using sesquiterpenoids. <i>Medicinal Chemistry</i> , <b>2008</b> , 4, 616-23	1.8	50
170	Antagonism between <i>Bacillus cereus</i> and <i>Pseudomonas fluorescens</i> in planktonic systems and in biofilms. <i>Biofouling</i> , <b>2008</b> , 24, 339-49	3.3	45
169	Comparative antibacterial potential of selected aldehyde-based biocides and surfactants against planktonic <i>Pseudomonas fluorescens</i> . <i>Journal of Industrial Microbiology and Biotechnology</i> , <b>2006</b> , 33, 741-9	4.2	45
168	The effect of shear stress on the formation and removal of <i>Bacillus cereus</i> biofilms. <i>Food and Bioproducts Processing</i> , <b>2015</b> , 93, 242-248	4.9	44

167	The action of selected isothiocyanates on bacterial biofilm prevention and control. <i>International Biodeterioration and Biodegradation</i> , <b>2014</b> , 86, 25-33	4.8	44
166	Antimicrobial polyphenol-rich extracts: Applications and limitations in the food industry. <i>Food Research International</i> , <b>2020</b> , 134, 109214	7	43
165	Looking to nature for a new concept in antimicrobial treatments: isoflavonoids from <i>Cytisus striatus</i> as antibiotic adjuvants against MRSA. <i>Scientific Reports</i> , <b>2017</b> , 7, 3777	4.9	41
164	Green fuel production: processes applied to microalgae. <i>Environmental Chemistry Letters</i> , <b>2013</b> , 11, 315-324	3.5	40
163	The effects of emerging environmental contaminants on <i>Stenotrophomonas maltophilia</i> isolated from drinking water in planktonic and sessile states. <i>Science of the Total Environment</i> , <b>2018</b> , 643, 1348-1356	10.2	39
162	The effects of sodium hypochlorite against selected drinking water-isolated bacteria in planktonic and sessile states. <i>Science of the Total Environment</i> , <b>2016</b> , 565, 40-48	10.2	37
161	The influence of nonconjugative <i>Escherichia coli</i> plasmids on biofilm formation and resistance. <i>Journal of Applied Microbiology</i> , <b>2012</b> , 113, 373-82	4.7	36
160	Structural determinants of the closed KCa3.1 channel pore in relation to channel gating: results from a substituted cysteine accessibility analysis. <i>Journal of General Physiology</i> , <b>2007</b> , 129, 299-315	3.4	36
159	Fine-tuning of the hydrophobicity of caffeic acid: studies on the antimicrobial activity against <i>Staphylococcus aureus</i> and <i>Escherichia coli</i> . <i>RSC Advances</i> , <b>2015</b> , 5, 53915-53925	3.7	35
158	The effects of surface properties on <i>Escherichia coli</i> adhesion are modulated by shear stress. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2014</b> , 123, 1-7	6	35
157	Influence of biofilm composition on the resistance to detachment. <i>Water Science and Technology</i> , <b>2007</b> , 55, 473-80	2.2	35
156	Wastewater polishing by consortia of <i>Chlorella vulgaris</i> and activated sludge native bacteria. <i>Journal of Cleaner Production</i> , <b>2016</b> , 133, 348-357	10.3	35
155	The effect of glucose concentration and shaking conditions on <i>Escherichia coli</i> biofilm formation in microtiter plates. <i>Chemical Engineering Science</i> , <b>2013</b> , 94, 192-199	4.4	34
154	Validation of respirometry as a short-term method to assess the efficacy of biocides. <i>Biofouling</i> , <b>2005</b> , 21, 9-17	3.3	34
153	Quorum Sensing Inhibition by Marine Bacteria. <i>Marine Drugs</i> , <b>2019</b> , 17,	6	33
152	Quorum sensing in food spoilage and natural-based strategies for its inhibition. <i>Food Research International</i> , <b>2020</b> , 127, 108754	7	33
151	Photodynamic inactivation as an emergent strategy against foodborne pathogenic bacteria in planktonic and sessile states. <i>Critical Reviews in Microbiology</i> , <b>2018</b> , 44, 667-684	7.8	33
150	Optimization of a single chamber microbial fuel cell using <i>Lactobacillus pentosus</i> : Influence of design and operating parameters. <i>Science of the Total Environment</i> , <b>2019</b> , 648, 263-270	10.2	31

149	Physiology and behavior of <i>Pseudomonas fluorescens</i> single and dual strain biofilms under diverse hydrodynamics stresses. <i>International Journal of Food Microbiology</i> , <b>2008</b> , 128, 309-16	5.8	31
148	Antimicrobial mechanisms of ortho-phthalaldehyde action. <i>Journal of Basic Microbiology</i> , <b>2007</b> , 47, 230-427		31
147	Antibacterial activity of phenyl isothiocyanate on <i>Escherichia coli</i> and <i>Staphylococcus aureus</i> . <i>Medicinal Chemistry</i> , <b>2013</b> , 9, 756-61	1.8	31
146	Persister cells in a biofilm treated with a biocide. <i>Biofouling</i> , <b>2011</b> , 27, 403-11	3.3	30
145	Studies on the behaviour of <i>Pseudomonas fluorescens</i> biofilms after Ortho-phthalaldehyde treatment. <i>Biofouling</i> , <b>2003</b> , 19, 151-7	3.3	29
144	Influence of Flow Velocity on the Characteristics of <i>Pseudomonas fluorescens</i> Biofilms. <i>Journal of Environmental Engineering, ASCE</i> , <b>2016</b> , 142, 04016031	2	29
143	Standardized reactors for the study of medical biofilms: a review of the principles and latest modifications. <i>Critical Reviews in Biotechnology</i> , <b>2018</b> , 38, 657-670	9.4	28
142	The Influence of Interfering Substances on the Antimicrobial Activity of Selected Quaternary Ammonium Compounds. <i>International Journal of Food Science</i> , <b>2013</b> , 2013, 237581	3.4	28
141	Increasing tetracycline concentrations on the performance and communities of mixed microalgae-bacteria photo-bioreactors. <i>Algal Research</i> , <b>2018</b> , 29, 249-256	5	28
140	Repurposing ibuprofen to control <i>Staphylococcus aureus</i> biofilms. <i>European Journal of Medicinal Chemistry</i> , <b>2019</b> , 166, 197-205	6.8	27
139	The ability of an antimicrobial agent to penetrate a biofilm is not correlated with its killing or removal efficiency. <i>Biofouling</i> , <b>2014</b> , 30, 675-83	3.3	27
138	Influence of flow rate variation on the development of <i>Escherichia coli</i> biofilms. <i>Bioprocess and Biosystems Engineering</i> , <b>2013</b> , 36, 1787-96	3.7	26
137	96-well microtiter plates for biofouling simulation in biomedical settings. <i>Biofouling</i> , <b>2014</b> , 30, 535-46	3.3	26
136	Flow cells as quasi-ideal systems for biofouling simulation of industrial piping systems. <i>Biofouling</i> , <b>2013</b> , 29, 953-66	3.3	26
135	Correlations between disease severity, glucosinolate profiles and total phenolics and <i>Xanthomonas campestris</i> pv. <i>campestris</i> inoculation of different Brassicaceae. <i>Scientia Horticulturae</i> , <b>2011</b> , 129, 503-510	4.1	26
134	Emerging contaminants affect the microbiome of water systems Strategies for their mitigation. <i>Npj Clean Water</i> , <b>2020</b> , 3,	11.2	26
133	Antimicrobial Photodynamic Inactivation Mediated by Rose Bengal and Erythrosine Is Effective in the Control of Food-Related Bacteria in Planktonic and Biofilm States. <i>Molecules</i> , <b>2018</b> , 23,	4.8	26
132	The effects of glutaraldehyde on the control of single and dual biofilms of <i>Bacillus cereus</i> and <i>Pseudomonas fluorescens</i> . <i>Biofouling</i> , <b>2011</b> , 27, 337-46	3.3	25

131	Monitoring the effects of biocide treatment of <i>Pseudomonas fluorescens</i> biofilms formed under different flow regimes. <i>Water Science and Technology</i> , <b>2003</b> , 47, 217-223	2.2	25
130	Prevention, removal and inactivation of <i>Escherichia coli</i> and <i>Staphylococcus aureus</i> biofilms using selected monoterpenes of essential oils. <i>Journal of Applied Microbiology</i> , <b>2017</b> , 123, 104-115	4.7	24
129	Combinatorial approaches with selected phytochemicals to increase antibiotic efficacy against <i>Staphylococcus aureus</i> biofilms. <i>Biofouling</i> , <b>2016</b> , 32, 1103-14	3.3	24
128	Mass balance analysis of carbon and nitrogen in industrial scale mixotrophic microalgae cultures. <i>Algal Research</i> , <b>2017</b> , 21, 35-41	5	24
127	Effect of operating and design parameters on the performance of a microbial fuel cell with <i>Lactobacillus pentosus</i> . <i>Biochemical Engineering Journal</i> , <b>2015</b> , 104, 34-40	4.2	24
126	The impact of material properties, nutrient load and shear stress on biofouling in food industries. <i>Food and Bioprocess Processing</i> , <b>2015</b> , 95, 228-236	4.9	24
125	Biofilm formation and multidrug-resistant <i>Aeromonas</i> spp. from wild animals. <i>Journal of Global Antimicrobial Resistance</i> , <b>2018</b> , 12, 227-234	3.4	23
124	The effects of surface type on the removal of <i>Bacillus cereus</i> and <i>Pseudomonas fluorescens</i> single and dual species biofilms. <i>Food and Bioprocess Processing</i> , <b>2015</b> , 93, 234-241	4.9	22
123	Phytochemical profiling as a solution to palliate disinfectant limitations. <i>Biofouling</i> , <b>2016</b> , 32, 1007-16	3.3	21
122	Effect of light supply on CO <sub>2</sub> capture from atmosphere by <i>Chlorella vulgaris</i> and <i>Pseudokirchneriella subcapitata</i> . <i>Mitigation and Adaptation Strategies for Global Change</i> , <b>2014</b> , 19, 1109-1117	3.9	21
121	Biofouling control using microparticles carrying a biocide. <i>Biofouling</i> , <b>2010</b> , 26, 205-12	3.3	21
120	Studies on the Behaviour of <i>Pseudomonas fluorescens</i> Biofilms after Ortho-phthalaldehyde Treatment. <i>Biofouling</i> , <b>2003</b> , 19, 151-157	3.3	21
119	Furvia inhibits the 3-oxo-C12-HSL-based quorum sensing system of <i>Pseudomonas aeruginosa</i> and QS-dependent phenotypes. <i>Biofouling</i> , <b>2017</b> , 33, 156-168	3.3	20
118	The action of chemical and mechanical stresses on single and dual species biofilm removal of drinking water bacteria. <i>Science of the Total Environment</i> , <b>2018</b> , 631-632, 987-993	10.2	20
117	Setup and validation of flow cell systems for biofouling simulation in industrial settings. <i>Scientific World Journal, The</i> , <b>2012</b> , 2012, 361496	2.2	20
116	Effect of different concentrations of ortho-phthalaldehyde on biofilms formed by <i>Pseudomonas fluorescens</i> under different flow conditions. <i>Biofouling</i> , <b>2003</b> , 19, 287-95	3.3	20
115	Lipid production of <i>Chlorella vulgaris</i> and <i>Pseudokirchneriella subcapitata</i> . <i>International Journal of Energy and Environmental Engineering</i> , <b>2013</b> , 4, 14	4	19
114	Combinatorial Activity of Flavonoids with Antibiotics Against Drug-Resistant <i>Staphylococcus aureus</i> . <i>Microbial Drug Resistance</i> , <b>2015</b> , 21, 600-9	2.9	19

113	Surface physicochemical properties of selected single and mixed cultures of microalgae and cyanobacteria and their relationship with sedimentation kinetics. <i>Bioresources and Bioprocessing</i> , <b>2015</b> , 2,	5.2	19
112	Nutrients, Bioactive Compounds and Bioactivity: The Health Benefits of Sweet Cherries ( <i>Prunus avium</i> L.). <i>Current Nutrition and Food Science</i> , <b>2019</b> , 15, 208-227	0.7	19
111	Characterization of the heterotrophic bacteria from a minimally processed vegetables plant. <i>LWT - Food Science and Technology</i> , <b>2017</b> , 85, 293-300	5.4	18
110	Evaluation of cinnamaldehyde and cinnamic acid derivatives in microbial growth control. <i>International Biodeterioration and Biodegradation</i> , <b>2019</b> , 141, 71-78	4.8	18
109	Comparative stability and efficacy of selected chlorine-based biocides against <i>Escherichia coli</i> in planktonic and biofilm states. <i>Food Research International</i> , <b>2017</b> , 102, 511-518	7	18
108	Integrated combined effects of temperature, pH and sodium chloride concentration on biofilm formation by <i>Salmonella enterica</i> ser. Enteritidis and Typhimurium under low nutrient food-related conditions. <i>Food Research International</i> , <b>2018</b> , 107, 10-18	7	17
107	Emulsion Electrospun Fiber Mats of PCL/PVA/Chitosan and Eugenol for Wound Dressing Applications. <i>Advances in Polymer Technology</i> , <b>2019</b> , 2019, 1-11	1.9	17
106	Use of phenyl isothiocyanate for biofilm prevention and control. <i>International Biodeterioration and Biodegradation</i> , <b>2014</b> , 86, 34-41	4.8	17
105	Combination of selected enzymes with cetyltrimethylammonium bromide in biofilm inactivation, removal and regrowth. <i>Food Research International</i> , <b>2017</b> , 95, 101-107	7	16
104	Disinfection with neutral electrolyzed oxidizing water to reduce microbial load and to prevent biofilm regrowth in the processing of fresh-cut vegetables. <i>Food and Bioprocesses Processing</i> , <b>2016</b> , 98, 333-340	4.9	16
103	Evaluation of SICAN performance for biofouling mitigation in the food industry. <i>Food Control</i> , <b>2016</b> , 62, 201-207	6.2	16
102	Adhesion of filamentous fungi isolated from drinking water under different process conditions. <i>Water Research</i> , <b>2019</b> , 164, 114951	12.5	16
101	Macroscale versus microscale methods for physiological analysis of biofilms formed in 96-well microtiter plates. <i>Journal of Microbiological Methods</i> , <b>2013</b> , 95, 342-9	2.8	16
100	Metabolic engineering of <i>Escherichia coli</i> for higher alcohols production: An environmentally friendly alternative to fossil fuels. <i>Renewable and Sustainable Energy Reviews</i> , <b>2017</b> , 77, 580-589	16.2	15
99	Advances in the antimicrobial and therapeutic potential of siderophores. <i>Environmental Chemistry Letters</i> , <b>2019</b> , 17, 1485-1494	13.3	15
98	Efficacy of antimicrobial combinations to reduce the use of sodium hypochlorite in the control of planktonic and sessile <i>Escherichia coli</i> . <i>Biochemical Engineering Journal</i> , <b>2015</b> , 104, 115-122	4.2	15
97	Comparison of Techniques and Solvents on the Antimicrobial and Antioxidant Potential of Extracts from and. <i>Antibiotics</i> , <b>2020</b> , 9,	4.9	15
96	Microalgal/cyanobacterial biofilm formation on selected surfaces: the effects of surface physicochemical properties and culture media composition. <i>Journal of Applied Phycology</i> , <b>2019</b> , 31, 375-387	3.2	15



95	Evaluation of the best method to assess antibiotic potentiation by phytochemicals against <i>Staphylococcus aureus</i> . <i>Diagnostic Microbiology and Infectious Disease</i> , <b>2014</b> , 79, 125-34	2.9	15
94	The effects of metabolite molecules produced by drinking water-isolated bacteria on their single and multispecies biofilms. <i>Biofouling</i> , <b>2011</b> , 27, 685-99	3.3	15
93	Sodium dodecyl sulfate allows the persistence and recovery of biofilms of <i>Pseudomonas fluorescens</i> formed under different hydrodynamic conditions. <i>Biofouling</i> , <b>2008</b> , 24, 35-44	3.3	15
92	The combined effects of shear stress and mass transfer on the balance between biofilm and suspended cell dynamics. <i>Desalination and Water Treatment</i> , <b>2015</b> , 53, 3348-3354		14
91	Industrial production of <i>Phaeodactylum tricornutum</i> for CO <sub>2</sub> mitigation: biomass productivity and photosynthetic efficiency using photobioreactors of different volumes. <i>Journal of Applied Phycology</i> , <b>2019</b> , 31, 2187-2196	3.2	13
90	Kinetics of biofilm formation by drinking water isolated <i>Penicillium expansum</i> . <i>Biofouling</i> , <b>2015</b> , 31, 349-353	3.2	13
89	Biofilm Control With New Microparticles With Immobilized Biocide. <i>Heat Transfer Engineering</i> , <b>2013</b> , 34, 712-718	1.7	13
88	Exploitation of plant extracts and phytochemicals against resistant <i>Salmonella</i> spp. in biofilms. <i>Food Research International</i> , <b>2020</b> , 128, 108806	7	13
87	Integration of Microalgae-Based Bioenergy Production into a Petrochemical Complex: Techno-Economic Assessment. <i>Energies</i> , <b>2016</b> , 9, 224	3.1	13
86	Comparison of the efficacy of natural-based and synthetic biocides to disinfect silicone and stainless steel surfaces. <i>Pathogens and Disease</i> , <b>2016</b> , 74, ftw014	4.2	13
85	Detection of <i>Legionella</i> spp. in Natural and Man-made Water Systems Using Standard Guidelines. <i>Journal of Microbiology Research</i> , <b>2012</b> , 2, 95-102		12
84	Effect of plant-based catecholic molecules on the prevention and eradication of <i>Escherichia coli</i> biofilms: A structure activity relationship study. <i>International Biodeterioration and Biodegradation</i> , <b>2019</b> , 141, 101-113	4.8	12
83	Xanthene Dyes and Green LED for the Inactivation of Foodborne Pathogens in Planktonic and Biofilm States. <i>Photochemistry and Photobiology</i> , <b>2019</b> , 95, 1230-1238	3.6	11
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