

Manuel Simões

List of Publications by Year in descending order

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Version: 2024-02-01

228
papers

14,635
citations

25014

57
h-index

22808

112
g-index

231
all docs

231
docs citations

231
times ranked

16899
citing authors

#	ARTICLE	IF	CITATIONS
1	Choline-based ionic liquids for planktonic and biofilm growth control of <i>Bacillus cereus</i> and <i>Pseudomonas fluorescens</i> . <i>Journal of Molecular Liquids</i> , 2022, 346, 117077.	2.3	6
2	Microalgal-based removal of contaminants of emerging concern. <i>Journal of Hazardous Materials</i> , 2022, 423, 127153.	6.5	22
3	Biofilm formation under high shear stress increases resilience to chemical and mechanical challenges. <i>Biofouling</i> , 2022, 38, 1-12.	0.8	12
4	Antibiofilm activity of glycolic acid and glyoxal and their diffusion reaction interactions with biofilm components. <i>Food Research International</i> , 2022, 152, 110921.	2.9	4
5	Chlorinated cyanurates and potassium salt of peroxymonosulphate as antimicrobial and antibiofilm agents for drinking water disinfection. <i>Science of the Total Environment</i> , 2022, 811, 152355.	3.9	14
6	Biofilms in Surgical Site Infections: Recent Advances and Novel Prevention and Eradication Strategies. <i>Antibiotics</i> , 2022, 11, 69.	1.5	36
7	Antimicrobial Susceptibility of Persister Biofilm Cells of <i>Bacillus cereus</i> and <i>Pseudomonas fluorescens</i> . <i>Microorganisms</i> , 2022, 10, 160.	1.6	13
8	Influence of surface materials on biofilm formation. , 2022, , 45-63.		1
9	Drug Repurposing Targeting <i>Pseudomonas aeruginosa</i> MvfR Using Docking, Virtual Screening, Molecular Dynamics, and Free-Energy Calculations. <i>Antibiotics</i> , 2022, 11, 185.	1.5	14
10	Review on microbial fuel cells applications, developments and costs. <i>Journal of Environmental Management</i> , 2022, 307, 114525.	3.8	80
11	Synthetic Musk Fragrances in Water Systems and Their Impact on Microbial Communities. <i>Water (Switzerland)</i> , 2022, 14, 692.	1.2	7
12	Parabens as emerging contaminants: Environmental persistence, current practices and treatment processes. <i>Journal of Cleaner Production</i> , 2022, 347, 131244.	4.6	24
13	Impact of parabens on microalgae bioremediation of wastewaters: A mechanistic study. <i>Chemical Engineering Journal</i> , 2022, 442, 136374.	6.6	15
14	Screening of Natural Molecules as Adjuvants to Topical Antibiotics to Treat <i>Staphylococcus aureus</i> from Diabetic Foot Ulcer Infections. <i>Antibiotics</i> , 2022, 11, 620.	1.5	6
15	The impact of synthetic musk compounds in biofilms from drinking water bacteria. <i>Journal of Hazardous Materials</i> , 2022, 436, 129185.	6.5	6
16	Phytochemicals Against Drug-Resistant Bacterial Biofilms and Use of Green Extraction Solvents to Increase Their Bioactivity. <i>Advances in Experimental Medicine and Biology</i> , 2022, , .	0.8	1
17	A 1D model for a single chamber microbial fuel cell. <i>Chemical Engineering Research and Design</i> , 2022, 184, 627-636.	2.7	2
18	Targeting <i>Pseudomonas aeruginosa</i> MvfR in the battle against biofilm formation: a multi-level computational approach. <i>Molecular Systems Design and Engineering</i> , 2022, 7, 1294-1306.	1.7	1

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19	Photodynamic therapy and combinatory treatments for the control of biofilm-associated infections. <i>Letters in Applied Microbiology</i> , 2022, 75, 548-564.	1.0	11
20	The Effects of Chemical and Mechanical Stresses on <i>Bacillus cereus</i> and <i>Pseudomonas fluorescens</i> Single- and Dual-Species Biofilm Removal. <i>Microorganisms</i> , 2021, 9, 1174.	1.6	10
21	Bacterial coaggregation in aquatic systems. <i>Water Research</i> , 2021, 196, 117037.	5.3	22
22	Biofilm control by ionic liquids. <i>Drug Discovery Today</i> , 2021, 26, 1340-1346.	3.2	18
23	Prevalence and Impact of Biofilms on Bloodstream and Urinary Tract Infections: A Systematic Review and Meta-Analysis. <i>Antibiotics</i> , 2021, 10, 825.	1.5	24
24	Biofilms in Diabetic Foot Ulcers: Impact, Risk Factors and Control Strategies. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8278.	1.8	47
25	Overview on the hydrodynamic conditions found in industrial systems and its impact in (bio)fouling formation. <i>Chemical Engineering Journal</i> , 2021, 418, 129348.	6.6	16
26	<i>Legionella pneumophila</i> . <i>Trends in Microbiology</i> , 2021, 29, 860-861.	3.5	25
27	LegionellaDB – A Database on Legionella Outbreaks. <i>Trends in Microbiology</i> , 2021, 29, 863-866.	3.5	7
28	Microalgae-based bioremediation of wastewaters - Influencing parameters and mathematical growth modelling. <i>Chemical Engineering Journal</i> , 2021, 425, 131412.	6.6	25
29	2-(2-Methyl-2-nitrovinyl)furan but Not Furvina Interfere with <i>Staphylococcus aureus</i> Agr Quorum-Sensing System and Potentiate the Action of Fusidic Acid against Biofilms. <i>International Journal of Molecular Sciences</i> , 2021, 22, 613.	1.8	5
30	Quorum sensing in food spoilage and natural-based strategies for its inhibition. <i>Food Research International</i> , 2020, 127, 108754.	2.9	73
31	Exploitation of plant extracts and phytochemicals against resistant <i>Salmonella</i> spp. in biofilms. <i>Food Research International</i> , 2020, 128, 108806.	2.9	36
32	Emerging contaminants affect the microbiome of water systems – strategies for their mitigation. <i>Npj Clean Water</i> , 2020, 3, .	3.1	74
33	Simple Protocol to Facilitate Students'™ Understanding of the Effects of Enzyme Immobilization on Kinetics of Reaction and Mass Transfer. <i>Journal of Chemical Education</i> , 2020, 97, 2308-2313.	1.1	3
34	Editorial: The Chemistry of Biofilms and Their Inhibitors. <i>Frontiers in Chemistry</i> , 2020, 8, 746.	1.8	1
35	NSAIDs as a Drug Repurposing Strategy for Biofilm Control. <i>Antibiotics</i> , 2020, 9, 591.	1.5	26
36	Copper Surfaces in Biofilm Control. <i>Nanomaterials</i> , 2020, 10, 2491.	1.9	26

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37	Multitarget protection of <i>Pterospartum tridentatum</i> phenolic-rich extracts against a wide range of free radical species, antidiabetic activity and effects on human colon carcinoma (Caco-2) cells. <i>Journal of Food Science</i> , 2020, 85, 4377-4388.	1.5	10
38	Surface Wiping Test to Study Biocide -Cinnamaldehyde Combination to Improve Efficiency in Surface Disinfection. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7852.	1.8	5
39	<i>Nannochloropsis oceanica</i> Cultivation in Pilot-Scale Raceway Ponds – From Design to Cultivation. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 1725.	1.3	19
40	The Biofilms Structural Database. <i>Trends in Biotechnology</i> , 2020, 38, 937-940.	4.9	16
41	The Effects of Eugenol, Trans-Cinnamaldehyde, Citronellol, and Terpineol on <i>Escherichia coli</i> Biofilm Control as Assessed by Culture-Dependent and -Independent Methods. <i>Molecules</i> , 2020, 25, 2641.	1.7	19
42	The Role of Biofilms in the Development and Dissemination of Microbial Resistance within the Food Industry. <i>Foods</i> , 2020, 9, 816.	1.9	13
43	The role of filamentous fungi in drinking water biofilm formation. , 2020, , 101-125.		3
44	Microalgal and cyanobacterial biofilms. , 2020, , 127-156.		2
45	Biofilm control with enzymes. , 2020, , 249-271.		5
46	The potential of phytochemical products in biofilm control. , 2020, , 273-293.		4
47	The potential of drug repurposing to face bacterial and fungal biofilm infections. , 2020, , 307-328.		3
48	Comparison of Techniques and Solvents on the Antimicrobial and Antioxidant Potential of Extracts from <i>Acacia dealbata</i> and <i>Olea europaea</i> . <i>Antibiotics</i> , 2020, 9, 48.	1.5	65
49	Influence of surface copper content on <i>Stenotrophomonas maltophilia</i> biofilm control using chlorine and mechanical stress. <i>Biofouling</i> , 2020, 36, 1-13.	0.8	20
50	Antimicrobial polyphenol-rich extracts: Applications and limitations in the food industry. <i>Food Research International</i> , 2020, 134, 109214.	2.9	98
51	Antimicrobial activity of glycolic acid and glyoxal against <i>Bacillus cereus</i> and <i>Pseudomonas fluorescens</i> . <i>Food Research International</i> , 2020, 136, 109346.	2.9	11
52	Antimicrobial Activity of Essential Oils. , 2020, , 335-356.		0
53	Microalgal/cyanobacterial biofilm formation on selected surfaces: the effects of surface physicochemical properties and culture media composition. <i>Journal of Applied Phycology</i> , 2019, 31, 375-387.	1.5	21
54	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> , 2019, 648, 263-270.	3.9	47

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55	Evaluation of cinnamaldehyde and cinnamic acid derivatives in microbial growth control. <i>International Biodeterioration and Biodegradation</i> , 2019, 141, 71-78.	1.9	35
56	Adhesion of filamentous fungi isolated from drinking water under different process conditions. <i>Water Research</i> , 2019, 164, 114951.	5.3	24
57	Quorum Sensing Inhibition by Marine Bacteria. <i>Marine Drugs</i> , 2019, 17, 427.	2.2	53
58	Prolonged exposure of <i>Stenotrophomonas maltophilia</i> biofilms to trace levels of clofibrac acid alters antimicrobial tolerance and virulence. <i>Chemosphere</i> , 2019, 235, 327-335.	4.2	19
59	Effect of a Shading Mesh on the Metabolic, Nutritional, and Defense Profiles of Harvested Greenhouse-Grown Organic Tomato Fruits and Leaves Revealed by NMR Metabolomics. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 12972-12985.	2.4	14
60	Emulsion Electrospun Fiber Mats of PCL/PVA/Chitosan and Eugenol for Wound Dressing Applications. <i>Advances in Polymer Technology</i> , 2019, 2019, 1-11.	0.8	40
61	Repurposing ibuprofen to control <i>Staphylococcus aureus</i> biofilms. <i>European Journal of Medicinal Chemistry</i> , 2019, 166, 197-205.	2.6	39
62	Novel tape-cast SiOC-based porous ceramic electrode materials for potential application in bioelectrochemical systems. <i>Journal of Materials Science</i> , 2019, 54, 6471-6487.	1.7	12
63	Microalgal assimilation of vitamin B12 toward the production of a superfood. <i>Journal of Food Biochemistry</i> , 2019, 43, e12911.	1.2	9
64	Advances in the antimicrobial and therapeutic potential of siderophores. <i>Environmental Chemistry Letters</i> , 2019, 17, 1485-1494.	8.3	33
65	Xanthene Dyes and Green <sc>LED</sc> for the Inactivation of Foodborne Pathogens in Planktonic and Biofilm States. <i>Photochemistry and Photobiology</i> , 2019, 95, 1230-1238.	1.3	17
66	Industrial production of <i>Phaeodactylum tricornutum</i> for CO2 mitigation: biomass productivity and photosynthetic efficiency using photobioreactors of different volumes. <i>Journal of Applied Phycology</i> , 2019, 31, 2187-2196.	1.5	15
67	The use of selected phytochemicals with <sc>EDTA</sc> against <i>Escherichia coli</i> and <i>Staphylococcus epidermidis</i> single and dual species biofilms. <i>Letters in Applied Microbiology</i> , 2019, 68, 313-320.	1.0	12
68	Siderophores: A Novel Approach to Fight Antimicrobial Resistance. <i>Environmental Chemistry for A Sustainable World</i> , 2019, , 99-120.	0.3	4
69	The role of surface copper content on biofilm formation by drinking water bacteria. <i>RSC Advances</i> , 2019, 9, 32184-32196.	1.7	16
70	Biocide Potentiation Using Cinnamic Phytochemicals and Derivatives. <i>Molecules</i> , 2019, 24, 3918.	1.7	11
71	Virulence, attachment and invasion of Caco-2 cells by multidrug-resistant bacteria isolated from wild animals. <i>Microbial Pathogenesis</i> , 2019, 128, 230-235.	1.3	8
72	Antimicrobial Activity of Essential Oils. , 2019, , 1-22.		2

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73	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> , 2019, 141, 101-113.	1.9	16
74	The effects of pharmaceutical and personal care products on the behavior of <i>Burkholderia cepacia</i> isolated from drinking water. <i>International Biodeterioration and Biodegradation</i> , 2019, 141, 87-93.	1.9	21
75	Nutrients, Bioactive Compounds and Bioactivity: The Health Benefits of Sweet Cherries (<i>Prunus avium</i>) <i>TJ ETQq1 1 0.784314 rrgBT /Ov</i>	0.3	27
76	Fuel-Cell Bioreactors. , 2019, , 464-478.		0
77	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> , 2018, 107, 10-18.	2.9	31
78	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> , 2018, 631-632, 987-993.	3.9	31
79	Biofilm formation and multidrug-resistant <i>Aeromonas</i> spp. from wild animals. <i>Journal of Global Antimicrobial Resistance</i> , 2018, 12, 227-234.	0.9	41
80	Standardized reactors for the study of medical biofilms: a review of the principles and latest modifications. <i>Critical Reviews in Biotechnology</i> , 2018, 38, 657-670.	5.1	40
81	Increasing tetracycline concentrations on the performance and communities of mixed microalgae-bacteria photo-bioreactors. <i>Algal Research</i> , 2018, 29, 249-256.	2.4	46
82	Antimicrobial susceptibility and sessile behaviour of bacteria isolated from a minimally processed vegetables plant. <i>Biofouling</i> , 2018, 34, 1150-1160.	0.8	4
83	<i>Pseudomonas fluorescens</i> tolerance to benzyl dimethyldodecyl ammonium chloride: Altered phenotype and cross-resistance. <i>Journal of Global Antimicrobial Resistance</i> , 2018, 15, 188-195.	0.9	15
84	Photodynamic inactivation as an emergent strategy against foodborne pathogenic bacteria in planktonic and sessile states. <i>Critical Reviews in Microbiology</i> , 2018, 44, 667-684.	2.7	53
85	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> , 2018, 23, 2288.	1.7	49
86	Biocides. , 2018, , 478-478.		7
87	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> , 2018, 643, 1348-1356.	3.9	72
88	Cobalt Complex with Thiazole-Based Ligand as New <i>Pseudomonas aeruginosa</i> Quorum Quencher, Biofilm Inhibitor and Virulence Attenuator. <i>Molecules</i> , 2018, 23, 1385.	1.7	12
89	<i>Staphylococcus aureus</i> Toxins and Their Molecular Activity in Infectious Diseases. <i>Toxins</i> , 2018, 10, 252.	1.5	282
90	Cytotoxicity and antimicrobial action of selected phytochemicals against planktonic and sessile <i>Streptococcus mutans</i> . <i>PeerJ</i> , 2018, 6, e4872.	0.9	22

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91	Biofilms and antibiotic susceptibility of multidrug-resistant bacteria from wild animals. PeerJ, 2018, 6, e4974.	0.9	19
92	Furvina inhibits the 3-oxo-C12-HSL-based quorum sensing system of <i>Pseudomonas aeruginosa</i> and QS-dependent phenotypes. Biofouling, 2017, 33, 156-168.	0.8	28
93	Combination of selected enzymes with cetyltrimethylammonium bromide in biofilm inactivation, removal and regrowth. Food Research International, 2017, 95, 101-107.	2.9	30
94	Prevention, removal and inactivation of <i>Escherichia coli</i> and <i>Staphylococcus aureus</i> biofilms using selected monoterpenes of essential oils. Journal of Applied Microbiology, 2017, 123, 104-115.	1.4	31
95	Metabolic engineering of <i>Escherichia coli</i> for higher alcohols production: An environmentally friendly alternative to fossil fuels. Renewable and Sustainable Energy Reviews, 2017, 77, 580-589.	8.2	18
96	Looking to nature for a new concept in antimicrobial treatments: isoflavonoids from <i>Cytisus striatus</i> as antibiotic adjuvants against MRSA. Scientific Reports, 2017, 7, 3777.	1.6	63
97	Characterization of the heterotrophic bacteria from a minimally processed vegetables plant. LWT - Food Science and Technology, 2017, 85, 293-300.	2.5	23
98	Comparative stability and efficacy of selected chlorine-based biocides against <i>Escherichia coli</i> in planktonic and biofilm states. Food Research International, 2017, 102, 511-518.	2.9	27
99	Mass balance analysis of carbon and nitrogen in industrial scale mixotrophic microalgae cultures. Algal Research, 2017, 21, 35-41.	2.4	33
100	A review on the use of microalgal consortia for wastewater treatment. Algal Research, 2017, 24, 403-415.	2.4	496
101	Critical review on biofilm methods. Critical Reviews in Microbiology, 2017, 43, 313-351.	2.7	693
102	Antimicrobial resistance of biofilms in medical devices. , 2017, , 97-113.		6
103	Sanitation of equipment. , 2017, , 167-195.		2
104	Integration of Microalgae-Based Bioenergy Production into a Petrochemical Complex: Techno-Economic Assessment. Energies, 2016, 9, 224.	1.6	18
105	New Perspectives on the Use of Phytochemicals as an Emergent Strategy to Control Bacterial Infections Including Biofilms. Molecules, 2016, 21, 877.	1.7	172
106	Influence of Flow Velocity on the Characteristics of <i>Pseudomonas fluorescens</i> Biofilms. Journal of Environmental Engineering, ASCE, 2016, 142, .	0.7	40
107	The Effects of Selected Brominated and Chlorinated Chemicals on <i>Pseudomonas fluorescens</i> Planktonic Cells and Flow-Generated Biofilms. Journal of Food Processing and Preservation, 2016, 40, 316-328.	0.9	7
108	Wastewater polishing by consortia of <i>Chlorella vulgaris</i> and activated sludge native bacteria. Journal of Cleaner Production, 2016, 133, 348-357.	4.6	50

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109	Comparison of the efficacy of natural-based and synthetic biocides to disinfect silicone and stainless steel surfaces. <i>Pathogens and Disease</i> , 2016, 74, ftw014.	0.8	15
110	The effects of sodium hypochlorite against selected drinking water-isolated bacteria in planktonic and sessile states. <i>Science of the Total Environment</i> , 2016, 565, 40-48.	3.9	58
111	Antibiotic adjuvants from <i>Buxus sempervirens</i> to promote effective treatment of drug-resistant <i>Staphylococcus aureus</i> biofilms. <i>RSC Advances</i> , 2016, 6, 95000-95009.	1.7	15
112	Phytochemical profiling as a solution to palliate disinfectant limitations. <i>Biofouling</i> , 2016, 32, 1007-1016.	0.8	26
113	Combinatorial approaches with selected phytochemicals to increase antibiotic efficacy against <i>Staphylococcus aureus</i> biofilms. <i>Biofouling</i> , 2016, 32, 1103-1114.	0.8	32
114	Co-cultivation of <i>Synechocystis salina</i> and <i>Pseudokirchneriella subcapitata</i> under varying phosphorus concentrations evidences an allelopathic competition scenario. <i>RSC Advances</i> , 2016, 6, 56091-56100.	1.7	4
115	The current knowledge on the application of anti-biofilm enzymes in the food industry. <i>Food Research International</i> , 2016, 86, 140-146.	2.9	91
116	The effect of increasing CO ₂ concentrations on its capture, biomass production and wastewater bioremediation by microalgae and cyanobacteria. <i>Algal Research</i> , 2016, 14, 127-136.	2.4	107
117	Alternative disinfection methods to chlorine for use in the fresh-cut industry. <i>Food Research International</i> , 2016, 82, 71-85.	2.9	251
118	A fluid dynamic gauging device for measuring biofilm thickness on cylindrical surfaces. <i>Biochemical Engineering Journal</i> , 2016, 106, 48-60.	1.8	9
119	Evaluation of SICON Â® surfaces for biofouling mitigation in critical process areas. <i>Food and Bioproducts Processing</i> , 2016, 98, 173-180.	1.8	8
120	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 Bioproducts Processing</i> , 2016, 98, 333-340.	1.8	19
121	The effects of light and temperature on microalgal growth and nutrient removal: an experimental and mathematical approach. <i>RSC Advances</i> , 2016, 6, 22896-22907.	1.7	73
122	Evaluation of SIKAN performance for biofouling mitigation in the food industry. <i>Food Control</i> , 2016, 62, 201-207.	2.8	19
123	Biotechnological potential of <i>Synechocystis salina</i> co-cultures with selected microalgae and cyanobacteria: Nutrients removal, biomass and lipid production. <i>Bioresource Technology</i> , 2016, 200, 279-286.	4.8	79
124	EFFECTS OF HYDRODYNAMIC STRESS AND FEED RATE ON THE PERFORMANCE OF A MICROBIAL FUEL CELL. <i>Environmental Engineering and Management Journal</i> , 2016, 15, 2497-2504.	0.2	4
125	Intra- and inter-species interactions within biofilms of important foodborne bacterial pathogens. <i>Frontiers in Microbiology</i> , 2015, 6, 841.	1.5	232
126	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> , 2015, 2015, 1-9.	0.5	209

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127	Combinatorial Activity of Flavonoids with Antibiotics Against Drug-Resistant <i>Staphylococcus aureus</i> . <i>Microbial Drug Resistance</i> , 2015, 21, 600-609.	0.9	33
128	Effect of operating and design parameters on the performance of a microbial fuel cell with <i>Lactobacillus pentosus</i> . <i>Biochemical Engineering Journal</i> , 2015, 104, 34-40.	1.8	35
129	The impact of material properties, nutrient load and shear stress on biofouling in food industries. <i>Food and Bioproducts Processing</i> , 2015, 95, 228-236.	1.8	27
130	Antibacterial activity and mode of action of selected glucosinolate hydrolysis products against bacterial pathogens. <i>Journal of Food Science and Technology</i> , 2015, 52, 4737-4748.	1.4	91
131	Surface physicochemical properties of selected single and mixed cultures of microalgae and cyanobacteria and their relationship with sedimentation kinetics. <i>Bioresources and Bioprocessing</i> , 2015, 2, .	2.0	26
132	Kinetics of biofilm formation by drinking water isolated <i>Penicillium expansum</i> . <i>Biofouling</i> , 2015, 31, 349-362.	0.8	19
133	The effect of shear stress on the formation and removal of <i>Bacillus cereus</i> biofilms. <i>Food and Bioproducts Processing</i> , 2015, 93, 242-248.	1.8	58
134	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 Bioproducts Processing</i> , 2015, 93, 234-241.	1.8	25
135	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> , 2015, 104, 115-122.	1.8	15
136	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> , 2015, 5, 53915-53925.	1.7	43
137	Exploring the Antibiotic Effects in Bacterial Biofilms by Epifluorescence and Scanning Electron Microscopy. <i>Springer Proceedings in Physics</i> , 2015, , 241-248.	0.1	0
138	<i>Escherichia coli</i> adhesion, biofilm development and antibiotic susceptibility on biomedical materials. <i>Journal of Biomedical Materials Research - Part A</i> , 2015, 103, 1414-1423.	2.1	68
139	The combined effects of shear stress and mass transfer on the balance between biofilm and suspended cell dynamics. <i>Desalination and Water Treatment</i> , 2015, 53, 3348-3354.	1.0	19
140	Harvesting techniques applied to microalgae: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2015, 41, 1489-1500.	8.2	715
141	<i>Escherichia coli</i> adhesion to surfaces—a thermodynamic assessment. <i>Colloid and Polymer Science</i> , 2015, 293, 177-185.	1.0	12
142	ADSORPTION OF PARAQUAT DICHLORIDE TO KAOLIN PARTICLES AND TO MIXTURES OF KAOLIN AND HEMATITE PARTICLES IN AQUEOUS SUSPENSIONS. <i>Journal of Water Security</i> , 2015, 1, 25-36.	0.2	6
143	Insights on Antimicrobial Resistance, Biofilms and the Use of Phytochemicals as New Antimicrobial Agents. <i>Current Medicinal Chemistry</i> , 2015, 22, 2590-2614.	1.2	99
144	Methods to study microbial adhesion on abiotic surfaces. <i>AIMS Bioengineering</i> , 2015, 2, 297-309.	0.6	9

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145	Evaluation of the effects of selected phytochemicals on quorum sensing inhibition and <i>in vitro</i> cytotoxicity. <i>Biofouling</i> , 2014, 30, 183-195.	0.8	122
146	96-well microtiter plates for biofouling simulation in biomedical settings. <i>Biofouling</i> , 2014, 30, 535-546.	0.8	31
147	Biofilm Localization in the Vertical Wall of Shaking 96-Well Plates. <i>Scientifica</i> , 2014, 2014, 1-6.	0.6	17
148	The action of selected isothiocyanates on bacterial biofilm prevention and control. <i>International Biodeterioration and Biodegradation</i> , 2014, 86, 25-33.	1.9	58
149	Effect of light supply on CO ₂ capture from atmosphere by <i>Chlorella vulgaris</i> and <i>Pseudokirchneriella subcapitata</i> . <i>Mitigation and Adaptation Strategies for Global Change</i> , 2014, 19, 1109-1117.	1.0	26
150	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> , 2014, 86, 42-51.	1.9	70
151	Evaluation of the best method to assess antibiotic potentiation by phytochemicals against <i>Staphylococcus aureus</i> . <i>Diagnostic Microbiology and Infectious Disease</i> , 2014, 79, 125-134.	0.8	18
152	The ability of an antimicrobial agent to penetrate a biofilm is not correlated with its killing or removal efficiency. <i>Biofouling</i> , 2014, 30, 675-683.	0.8	34
153	What should be considered in the treatment of bacterial infections by multi-drug therapies: A mathematical perspective?. <i>Drug Resistance Updates</i> , 2014, 17, 51-63.	6.5	2
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