Adelaide Almeida

List of Publications by Year
in descending order

257 papers	10,381 citations	30070 54 h-index	53230 85 g-index
266 all docs	266 docs citations	266 times ranked	10164 citing authors

#	Article	IF	Citations
1	Photoantimicrobialsâ€”are we afraid of the light?. Lancet Infectious Diseases, The, 2017, 17, e49-e55.	9.1	498
2	Antimicrobial Photodynamic Therapy: Study of Bacterial Recovery Viability and Potential Development of Resistance after Treatment. Marine Drugs, 2010, 8, 91-105.	4.6	340
3	An insight on bacterial cellular targets of photodynamic inactivation. Future Medicinal Chemistry, 2014, 6, 141-164.	2.3	224
4	Wavelength dependence of biological damage induced by UV radiation on bacteria. Archives of Microbiology, 2013, 195, 63-74.	2.2	205
5	Denaturing Gradient Gel Electrophoresis and Barcoded Pyrosequencing Reveal Unprecedented Archaeal Diversity in Mangrove Sediment and Rhizosphere Samples. Applied and Environmental Microbiology, 2012, 78, 5520-5528.	3.1	204
6	Charge effect on the photoinactivation of Gram-negative and Gram-positive bacteria by cationic meso-substituted porphyrins. BMC Microbiology, 2009, 9, 70.	3.3	190
7	Potential applications of porphyrins in photodynamic inactivation beyond the medical scope. Journal of Photochemistry and Photobiology C: Photochemistry Reviews, 2015, 22, 34-57.	11.6	184
8	Photodynamic Inactivation of Mammalian Viruses and Bacteriophages. Viruses, 2012, 4, 1034-1074.	3.3	182
9	Frequency and antimicrobial resistance patterns of bacteria implicated in community urinary tract infections: a ten-year surveillance study (2000â€“2009). BMC Infectious Diseases, 2013, 13, 19.	2.9	171
10	Revisiting Current Photoactive Materials for Antimicrobial Photodynamic Therapy. Molecules, 2018, 23, 2424.	3.8	153
11	Phage Therapy and Photodynamic Therapy: Low Environmental Impact Approaches to Inactivate Microorganisms in Fish Farming Plants. Marine Drugs, 2009, 7, 268-313.	4.6	127
12	Efficiency of phage cocktails in the inactivation of Vibrio in aquaculture. Aquaculture, 2014, 424-425, 167-173.	3.5	126
13	Pullulan-based nanocomposite films for functional food packaging: Exploiting lysozyme nanofibers as antibacterial and antioxidant reinforcing additives. Food Hydrocolloids, 2018, 77, 921-930.	10.7	124
14	Wastewater chemical contaminants: remediation by advanced oxidation processes. Photochemical and Photobiological Sciences, 2018, 17, 1573-1598.	2.9	123
15	Taking Root: Enduring Effect of Rhizosphere Bacterial Colonization in Mangroves. PLoS ONE, 2010, 5, e14065.	2.5	121
16	Phage Therapy as an Approach to Prevent Vibrio anguillarum Infections in Fish Larvae Production. PLoS ONE, 2014, 9, e114197.	2.5	117
17	Functional Cationic Nanomagnetâ^'Porphyrin Hybrids for the Photoinactivation of Microorganisms. ACS Nano, 2010, 4, 7133-7140.	14.6	112
18	Photodynamic inactivation of multidrug-resistant bacteria in hospital wastewaters: influence of residual antibiotics. Photochemical and Photobiological Sciences, 2014, 13, 626-633.	2.9	112

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19	Antifungal activity of transparent nanocomposite thin films of pullulan and silver against Aspergillus niger. Colloids and Surfaces B: Biointerfaces, 2013, 103, 143-148.	5.0	110
20	Mechanisms of photodynamic inactivation of a Gram-negative recombinant bioluminescent bacterium by cationic porphyrins. Photochemical and Photobiological Sciences, 2011, 10, 1659-1669.	2.9	106
21	Photodynamic Inactivation of Bacterial and Yeast Biofilms With a Cationic Porphyrin. Photochemistry and Photobiology, 2014, 90, 1387-1396.	2.5	104
22	Photodynamic inactivation of bacteria: finding the effective targets. Future Medicinal Chemistry, 2015, 7, 1221-1224.	2.3	103
23	Influence of external bacterial structures on the efficiency of photodynamic inactivation by a cationic porphyrin. Photochemical and Photobiological Sciences, 2014, 13, 680-690.	2.9	99
24	Polycyclic aromatic hydrocarbons in deep sea sediments: Microbeâ€“pollutant interactions in a remote environment. Science of the Total Environment, 2015, 526, 312-328.	8.0	99
25	Seasonal and spatial variability of free-living bacterial community composition along an estuarine gradient (Ria de Aveiro, Portugal). Estuarine, Coastal and Shelf Science, 2006, 68, 139-148.	2.1	93
26	Photoinactivation of bacteria in wastewater by porphyrins: Bacterial Î²-galactosidase activity and leucine-uptake as methods to monitor the process. Journal of Photochemistry and Photobiology B: Biology, 2007, 88, 112-118.	3.8	93
27	Bacteriophages with potential to inactivate Salmonella Typhimurium: Use of single phage suspensions and phage cocktails. Virus Research, 2016, 220, 179-192.	2.2	90
28	Evaluation of resistance development and viability recovery by a non-enveloped virus after repeated cycles of aPDT. Antiviral Research, 2011, 91, 278-282.	4.1	89
29	Photodynamic inactivation of Penicillium chrysogenum conidia by cationic porphyrins. Photochemical and Photobiological Sciences, 2011, 10, 1735-1743.	2.9	82
30	Photodynamic inactivation of Escherichia coli with cationic meso-tetraarylporphyrins â€“ The charge number and charge distribution effects. Catalysis Today, 2016, 266, 197-204.	4.4	82
31	Photodynamic inactivation of recombinant bioluminescent Escherichia coli by cationic porphyrins under artificial and solar irradiation. Journal of Industrial Microbiology and Biotechnology, 2008, 35, 1447-1454.	3.0	81
32	Antimicrobial Photodynamic Therapy in the Control of COVID-19. Antibiotics, 2020, 9, 320.	3.7	81
33	Sewage bacteriophage photoinactivation by cationic porphyrins: a study of charge effect. Photochemical and Photobiological Sciences, 2008, 7, 415.	2.9	80
34	Impact of organic and inorganic nanomaterials in the soil microbial community structure. Science of the Total Environment, 2012, 424, 344-350.	8.0	80
35	Porphyrin derivatives as photosensitizers for the inactivation ofBacillus cereusendospores. Journal of Applied Microbiology, 2009, 106, 1986-1995.	3.1	79
36	Effect of Photodynamic Therapy on the Virulence Factors of Staphylococcus aureus. Frontiers in Microbiology, 2016, 7, 267.	3.5	77

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37	Effects of single and combined use of bacteriophages and antibiotics to inactivate Escherichia coli. Virus Research, 2017, 240, 8-17.	2.2	75
38	Phage therapy to control multidrug-resistant Pseudomonas aeruginosa skin infections: in vitro and ex vivo experiments. European Journal of Clinical Microbiology and Infectious Diseases, 2012, 31, 3241-3249.	2.9	73
39	An Insight Into the Potentiation Effect of Potassium Iodide on aPDT Efficacy. Frontiers in Microbiology, 2018, 9, 2665.	3.5	73
40	Bacteriophages with Potential for Inactivation of Fish Pathogenic Bacteria: Survival, Host Specificity and Effect on Bacterial Community Structure. Marine Drugs, 2011, 9, 2236-2255.	4.6	72
41	Sewage bacteriophage inactivation by cationic porphyrins: influence of light parameters. Photochemical and Photobiological Sciences, 2010, 9, 1126.	2.9	71
42	Biological control of Aeromonas salmonicida infection in juvenile Senegalese sole (Solea) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 542 Td (s	3.5	71
43	Contribution of reactive oxygen species to UV-B-induced damage in bacteria. Journal of Photochemistry and Photobiology B: Biology, 2012, 117, 40-46.	3.8	70
44	Incorporation of biocides in nanocapsules for protective coatings used in maritime applications. Chemical Engineering Journal, 2015, 270, 150-157.	12.7	68
45	Antioxidant and antimicrobial films based on brewers spent grain arabinoxylans, nanocellulose and feruloylated compounds for active packaging. Food Hydrocolloids, 2020, 108, 105836.	10.7	68
46	Photodynamic Antimicrobial Chemotherapy in Aquaculture: Photoinactivation Studies of Vibrio fischeri. PLoS ONE, 2011, 6, e20970.	2.5	67
47	Antimicrobial and Conductive Nanocellulose-Based Films for Active and Intelligent Food Packaging. Nanomaterials, 2019, 9, 980.	4.1	66
48	Patterns of ectoenzymatic and heterotrophic bacterial activities along a salinity gradient in a shallow tidal estuary. Marine Ecology - Progress Series, 2000, 204, 1-12.	1.9	66
49	A new insight on nanomagnetâ€“porphyrin hybrids for photodynamic inactivation of microorganisms. Dyes and Pigments, 2014, 110, 80-88.	3.7	65
50	Efficiency of Phage Ï†6 for Biocontrol of Pseudomonas syringae pv. syringae: An in Vitro Preliminary Study. Microorganisms, 2019, 7, 286.	3.6	64
51	Influence of environmental variables in the efficiency of phage therapy in aquaculture. Microbial Biotechnology, 2014, 7, 401-413.	4.2	62
52	Phthalocyanine Thioâ€Pyridinium Derivatives as Antibacterial Photosensitizers^{â€}. Photochemistry and Photobiology, 2012, 88, 537-547.	2.5	60
53	Molecular sequence analysis of prokaryotic diversity in the middle and outer sections of the Portuguese estuary Ria de Aveiro. FEMS Microbiology Ecology, 2004, 49, 269-279.	2.7	56
54	Comparative photodynamic inactivation of antibiotic resistant bacteria by first and second generation cationic photosensitizers. Photochemical and Photobiological Sciences, 2012, 11, 1905-1913.	2.9	55

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55	Effects of UV Radiation on the Lipids and Proteins of Bacteria Studied by Mid-Infrared Spectroscopy. Environmental Science & Technology, 2013, 47, 6306-6315.	10.0	55
56	Hydrocarbon contamination and plant species determine the phylogenetic and functional diversity of endophytic degrading bacteria. Molecular Ecology, 2014, 23, 1392-1404.	3.9	55
57	Antimicrobial bacterial cellulose nanocomposites prepared by in situ polymerization of 2-aminoethyl methacrylate. Carbohydrate Polymers, 2015, 123, 443-453.	10.2	55
58	Antimicrobial photodynamic activity of porphyrin derivatives: potential application on medical and water disinfection. Journal of Porphyrins and Phthalocyanines, 2009, 13, 574-577.	0.8	53
59	An effective and potentially safe blood disinfection protocol using tetrapyrrolic photosensitizers. Future Medicinal Chemistry, 2017, 9, 365-379.	2.3	50
60	Efficiency of Single Phage Suspensions and Phage Cocktail in the Inactivation of Escherichia coli and Salmonella Typhimurium: An In Vitro Preliminary Study. Microorganisms, 2019, 7, 94.	3.6	50
61	Chapter 5. Porphyrins as Antimicrobial Photosensitizing Agents. Comprehensive Series in Photochemical and Photobiological Sciences, 2011, , 83-160.	0.3	48
62	Effects of UV-B Radiation on the Structural and Physiological Diversity of Bacterioneuston and Bacterioplankton. Applied and Environmental Microbiology, 2012, 78, 2066-2069.	3.1	48
63	Photodynamic oxidation of Escherichia coli membrane phospholipids: new insights based on lipidomics. Rapid Communications in Mass Spectrometry, 2013, 27, 2717-2728.	1.5	48
64	Sequential Combined Effect of Phages and Antibiotics on the Inactivation of Escherichia coli. Microorganisms, 2018, 6, 125.	3.6	48
65	Susceptibility ofListeria monocytogenesto high pressure processing: A review. Food Reviews International, 2016, 32, 377-399.	8.4	47
66	Zwitterionic Nanocellulose-Based Membranes for Organic Dye Removal. Materials, 2019, 12, 1404.	2.9	47
67	Involvement of type I and type II mechanisms on the photoinactivation of non-enveloped DNA and RNA bacteriophages. Journal of Photochemistry and Photobiology B: Biology, 2013, 120, 10-16.	3.8	45
68	Inactivation of Staphylococcus aureus by high pressure processing: An overview. Innovative Food Science and Emerging Technologies, 2016, 36, 128-149.	5.6	45
69	Single and combined effects of photodynamic therapy and antibiotics to inactivate Staphylococcus aureus on skin. Photodiagnosis and Photodynamic Therapy, 2018, 21, 285-293.	2.6	45
70	Photodynamic inactivation of bioluminescent Escherichia coli by neutral and cationic pyrrolidine-fused chlorins and isobacteriochlorins. Bioorganic and Medicinal Chemistry Letters, 2014, 24, 808-812.	2.2	44
71	New Materials Based on Cationic Porphyrins Conjugated to Chitosan or Titanium Dioxide: Synthesis, Characterization and Antimicrobial Efficacy. International Journal of Molecular Sciences, 2019, 20, 2522.	4.1	44
72	Use of phage Ï•6 to inactivate Pseudomonas syringae pv. actinidiae in kiwifruit plants: in vitro and ex vivo experiments. Applied Microbiology and Biotechnology, 2020, 104, 1319-1330.	3.6	43

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73	Nucleic acid changes during photodynamic inactivation of bacteria by cationic porphyrins. Bioorganic and Medicinal Chemistry, 2013, 21, 4311-4318.	3.0	42
74	Biodegradation of 17Î²-estradiol by bacteria isolated from deep sea sediments in aerobic and anaerobic media. Journal of Hazardous Materials, 2017, 323, 359-366.	12.4	42
75	Evaluating seasonal dynamics of bacterial communities in marine fish aquaculture: a preliminary study before applying phage therapy. Journal of Environmental Monitoring, 2011, 13, 1053.	2.1	41
76	New insights on phage efficacy to control Aeromonas salmonicida in aquaculture systems: An in vitro preliminary study. Aquaculture, 2018, 495, 970-982.	3.5	41
77	Relationship of bacterioplankton production with primary production and respiration in a shallow estuarine system (Ria de Aveiro, NW Portugal). Microbiological Research, 2005, 160, 315-328.	5.3	40
78	Control of Listeria innocua biofilms by biocompatible photodynamic antifouling chitosan based materials. Dyes and Pigments, 2017, 137, 265-276.	3.7	40
79	Photoinactivation of Pseudomonas syringae pv. actinidiae in kiwifruit plants by cationic porphyrins. Planta, 2018, 248, 409-421.	3.2	40
80	Advances in aPDT based on the combination of a porphyrinic formulation with potassium iodide: Effectiveness on bacteria and fungi planktonic/biofilm forms and viruses. Journal of Porphyrins and Phthalocyanines, 2019, 23, 534-545.	0.8	40
81	Factors Influencing Bacterial Production in a Shallow Estuarine System. Microbial Ecology, 2001, 42, 416-426.	2.8	39
82	Interactive effects of global climate change and pollution on marine microbes: the way ahead. Ecology and Evolution, 2013, 3, 1808-1818.	1.9	39
83	Pyrrolidine-fused chlorin photosensitizer immobilized on solid supports for the photoinactivation of Gram negative bacteria. Dyes and Pigments, 2014, 110, 123-133.	3.7	39
84	Protein profiles of Escherichia coli and Staphylococcus warneri are altered by photosensitization with cationic porphyrins. Photochemical and Photobiological Sciences, 2015, 14, 1169-1178.	2.9	39
85	Multifunctional nanofibrous patches composed of nanocellulose and lysozyme nanofibers for cutaneous wound healing. International Journal of Biological Macromolecules, 2020, 165, 1198-1210.	7.5	39
86	Susceptibility of non-enveloped DNA- and RNA-type viruses to photodynamic inactivation. Photochemical and Photobiological Sciences, 2012, 11, 1520-1523.	2.9	38
87	Microbe-Assisted Phytoremediation of Hydrocarbons in Estuarine Environments. Microbial Ecology, 2015, 69, 1-12.	2.8	38
88	Potential of phage cocktails in the inactivation of Enterobacter cloacae â€"An in vitro study in a buffer solution and in urine samples. Virus Research, 2016, 211, 199-208.	2.2	38
89	Photodynamic Action against Wastewater Microorganisms and Chemical Pollutants: An Effective Approach with Low Environmental Impact. Water (Switzerland), 2017, 9, 630.	2.7	38
90	Applicability of photodynamic antimicrobial chemotherapy as an alternative to inactivate fish pathogenic bacteria in aquaculture systems. Photochemical and Photobiological Sciences, 2011, 10, 1691-1700.	2.9	36

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91	Inverted methoxypyridinium phthalocyanines for PDI of pathogenic bacteria. Photochemical and Photobiological Sciences, 2015, 14, 1853-1863.	2.9	36
92	Characterization and in vitro evaluation of new bacteriophages for the biocontrol of Escherichia coli. Virus Research, 2017, 227, 171-182.	2.2	36
93	Photodynamic inactivation of Listeria innocua biofilms with food-grade photosensitizers: a curcumin-rich extract of Curcuma longa vs commercial curcumin. Journal of Applied Microbiology, 2018, 125, 282-294.	3.1	36
94	Loss of Estuarine Bacteria by Viral Infection and Predation in Microcosm Conditions. Microbial Ecology, 2001, 42, 562-571.	2.8	34
95	Photodynamic oxidation of Staphylococcus warneri membrane phospholipids: new insights based on lipidomics. Rapid Communications in Mass Spectrometry, 2013, 27, 1607-1618.	1.5	34
96	Shedding light on Aspergillus niger volatile exometabolome. Scientific Reports, 2016, 6, 27441.	3.3	34
97	Application of phage therapy during bivalve depuration improves Escherichia coli decontamination. Food Microbiology, 2017, 61, 102-112.	4.2	34
98	Effect of Elderberry (Sambucus nigra L.) Extract Supplementation in STZ-Induced Diabetic Rats Fed with a High-Fat Diet. International Journal of Molecular Sciences, 2017, 18, 13.	4.1	34
99	Bacteriophage potential against Vibrio parahaemolyticus biofilms. Food Control, 2019, 98, 156-163.	5.5	34
100	Antimicrobial Lipids from Plants and Marine Organisms: An Overview of the Current State-of-the-Art and Future Prospects. Antibiotics, 2020, 9, 441.	3.7	34
101	Kiwifruit bacterial canker: an integrative view focused on biocontrol strategies. Planta, 2021, 253, 49.	3.2	32
102	The Role of Porphyrinoid Photosensitizers for Skin Wound Healing. International Journal of Molecular Sciences, 2021, 22, 4121.	4.1	32
103	An efficient formulation based on cationic porphyrins to photoinactivate Staphylococcus aureus and Escherichia coli. Future Medicinal Chemistry, 2018, 10, 1821-1833.	2.3	31
104	Nanocellulose-based antifungal nanocomposites against the polymorphic fungus Candida albicans. Carbohydrate Polymers, 2019, 217, 207-216.	10.2	31
105	Short-term variability of abundance, diversity and activity of estuarine bacterioneuston and bacterioplankton. Journal of Plankton Research, 2009, 31, 1545-1555.	1.8	30
106	Ultracentrifugation as a direct method to concentrate viruses in environmental waters: virus-like particle enumeration as a new approach to determine the efficiency of recovery. Journal of Environmental Monitoring, 2012, 14, 64-70.	2.1	30
107	Assessing variation in bacterial composition between the rhizospheres of two mangrove tree species. Estuarine, Coastal and Shelf Science, 2014, 139, 40-45.	2.1	30
108	Insights on the Optical Properties of Estuarine DOM â€“ Hydrological and Biological Influences. PLoS ONE, 2016, 11, e0154519.	2.5	30

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109	Anti-fungal activity of SiO2/Ag2S nanocomposites against Aspergillus niger. Colloids and Surfaces B: Biointerfaces, 2009, 74, 304-308.	5.0	29
110	Invasive pulmonary aspergillosis: current diagnostic methodologies and a new molecular approach. European Journal of Clinical Microbiology and Infectious Diseases, 2018, 37, 1393-1403.	2.9	29
111	Unraveling the interactive effects of climate change and oil contamination on laboratoryâ€simulated estuarine benthic communities. Global Change Biology, 2015, 21, 1871-1886.	9.5	28
112	Photoinactivation of Planktonic and Biofilm Forms of Escherichia coli through the Action of Cationic Zinc(II) Phthalocyanines. ChemPhotoChem, 2019, 3, 251-260.	3.0	28
113	Cationic galactoporphyrin photosensitisers against UV-B resistant bacteria: oxidation of lipids and proteins by 1O2. Photochemical and Photobiological Sciences, 2013, 12, 262-271.	2.9	27
114	Synthesis of new porphyrin/4-quinolone conjugates and evaluation of their efficiency in the photoinactivation of Staphylococcus aureus. RSC Advances, 2015, 5, 71228-71239.	3.6	27
115	Photochemical and microbial alterations of DOM spectroscopic properties in the estuarine system Ria de Aveiro. Photochemical and Photobiological Sciences, 2014, 13, 1146-1159.	2.9	26
116	Air quality in a school with dampness and mould problems. Air Quality, Atmosphere and Health, 2016, 9, 107-115.	3.3	26
117	An insight into the synthesis of cationic porphyrin-imidazole derivatives and their photodynamic inactivation efficiency against Escherichia coli. Dyes and Pigments, 2020, 178, 108330.	3.7	26
118	Application of the Resazurin Cell Viability Assay to Monitor Escherichia coli and Salmonella Typhimurium Inactivation Mediated by Phages. Antibiotics, 2021, 10, 974.	3.7	26
119	Effects of Monospecific Banks of Salt Marsh Vegetation on Sediment Bacterial Communities. Microbial Ecology, 2010, 60, 167-179.	2.8	25
120	Bioluminescence and its application in the monitoring of antimicrobial photodynamic therapy. Applied Microbiology and Biotechnology, 2011, 92, 1115-1128.	3.6	25
121	Incidence and Diversity of Antimicrobial Multidrug Resistance Profiles of Uropathogenic Bacteria. BioMed Research International, 2015, 2015, 1-11.	1.9	25
122	Photodynamic inactivation of Escherichia coli with cationic ammonium Zn(ii) phthalocyanines. Photochemical and Photobiological Sciences, 2015, 14, 1872-1879.	2.9	25
123	Relation between bacterial activity in the surface microlayer and estuarine hydrodynamics. FEMS Microbiology Ecology, 2011, 77, 636-646.	2.7	24
124	Prokaryotes in salt marsh sediments of Ria de Aveiro: Effects of halophyte vegetation on abundance and diversity. Estuarine, Coastal and Shelf Science, 2012, 110, 61-68.	2.1	24
125	Reducing Salmonella Horizontal Transmission During Egg Incubation by Phage Therapy. Foodborne Pathogens and Disease, 2013, 10, 718-722.	1.8	24
126	An insight into the photodynamic approach versus copper formulations in the control of Pseudomonas syringae pv. actinidiae in kiwi plants. Photochemical and Photobiological Sciences, 2018, 17, 180-191.	2.9	24

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127	Valorisation of chestnut spiny burs and roasted hazelnut skins extracts as bioactive additives for packaging films. Industrial Crops and Products, 2020, 151, 112491.	5.2	24
128	Diversity in UV sensitivity and recovery potential among bacterioneuston and bacterioplankton isolates. Letters in Applied Microbiology, 2011, 52, 360-366.	2.2	23
129	Evaluation of the interplay among the charge of porphyrinic photosensitizers, lipid oxidation and photoinactivation efficiency in Escherichia coli. Journal of Photochemistry and Photobiology B: Biology, 2014, 141, 145-153.	3.8	23
130	Halophyte plant colonization as a driver of the composition of bacterial communities in salt marshes chronically exposed to oil hydrocarbons. FEMS Microbiology Ecology, 2014, 90, 647-662.	2.7	23
131	Integrated analysis of bacterial and microeukaryotic communities from differentially active mud volcanoes in the Gulf of Cadiz. Scientific Reports, 2016, 6, 35272.	3.3	23
132	Novel Î²-functionalized mono-charged porphyrinic derivatives: Synthesis and photoinactivation of Escherichia coli. Dyes and Pigments, 2019, 160, 361-371.	3.7	23
133	A comprehensive look into the volatile exometabolome of enteroxic and non-enterotoxic Staphylococcus aureus strains. International Journal of Biochemistry and Cell Biology, 2019, 108, 40-50.	2.8	23
134	Versatile thiopyridyl/pyridinone porphyrins combined with potassium iodide and thiopyridinium/methoxypyridinium porphyrins on E. coli photoinactivation. Dyes and Pigments, 2020, 181, 108476.	3.7	23
135	Title is missing!. Hydrobiologia, 2002, 475/476, 251-262.	2.0	22
136	Influence of salt marsh on bacterial activity in two estuaries with different hydrodynamic characteristics (Ria de Aveiro and Tagus Estuary). FEMS Microbiology Ecology, 2007, 60, 429-441.	2.7	22
137	Insights on beer volatile profile: Optimization of solid-phase microextraction procedure taking advantage of the comprehensive two-dimensional gas chromatography structured separation. Journal of Separation Science, 2015, 38, 2140-2148.	2.5	22
138	Metabolomics strategy for the mapping of volatile exometabolome from Saccharomyces spp. widely used in the food industry based on comprehensive two-dimensional gas chromatography. Journal of Separation Science, 2017, 40, 2228-2237.	2.5	22
139	Unveiling the lager beer volatile terpenic compounds. Food Research International, 2018, 114, 199-207.	6.2	22
140	Synthesis and characterization of photoactive porphyrin and poly(2-hydroxyethyl methacrylate) based materials with bactericidal properties. Applied Materials Today, 2019, 16, 332-341.	4.3	22
141	The Health-Promoting Potential of Salix spp. Bark Polar Extracts: Key Insights on Phenolic Composition and In Vitro Bioactivity and Biocompatibility. Antioxidants, 2019, 8, 609.	5.1	22
142	Combined Application of Bacteriophages and Carvacrol in the Control of Pseudomonas syringae pv. actinidiae Planktonic and Biofilm Forms. Microorganisms, 2020, 8, 837.	3.6	22
143	Photodynamic Therapy in the Inactivation of Microorganisms. Antibiotics, 2020, 9, 138.	3.7	22
144	The UV responses of bacterioneuston and bacterioplankton isolates depend on the physiological condition and involve a metabolic shift. FEMS Microbiology Ecology, 2012, 80, 646-658.	2.7	21

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145	Effect of tributyltin (TBT) in the metabolic activity of TBTâ€resistant and sensitive estuarine bacteria. Environmental Toxicology, 2012, 27, 11-17.	4.0	21
146	Photosensitized oxidation of phosphatidylethanolamines monitored by electrospray tandem mass spectrometry. Journal of Mass Spectrometry, 2013, 48, 1357-1365.	1.6	21
147	Can Volatile Organic Metabolites Be Used to Simultaneously Assess Microbial and Mite Contamination Level in Cereal Grains and Coffee Beans?. PLoS ONE, 2013, 8, e59338.	2.5	21
148	High-pressure processing effects on foodborne bacteria by mid-infrared spectroscopy analysis. LWT - Food Science and Technology, 2016, 73, 212-218.	5.2	21
149	Compartments of oxygen consumption in a tidal mesotrophic estuary (Ria de Aveiro, Portugal). Acta Oecologica, 1999, 20, 227-235.	1.1	20
150	Photoâ€inactivation of Bacillus endospores: interâ€specific variability of inactivation efficiency. Microbiology and Immunology, 2012, 56, 692-699.	1.4	20
151	Impact of freshwater inflow on bacterial abundance and activity in the estuarine system Ria de Aveiro. Estuarine, Coastal and Shelf Science, 2014, 138, 107-120.	2.1	20
152	Phytoremediation potential of Vetiveria zizanioides and Oryza sativa to nitrate and organic substance removal in vertical flow constructed wetland systems. Ecological Engineering, 2019, 138, 19-27.	3.6	20
153	The Remarkable Effect of Potassium Iodide in Eosin and Rose Bengal Photodynamic Action against Salmonella Typhimurium and Staphylococcus aureus. Antibiotics, 2019, 8, 211.	3.7	20
154	Candida Species (Volatile) Metabotyping through Advanced Comprehensive Twoâ€Dimensional Gas Chromatography. Microorganisms, 2020, 8, 1911.	3.6	20
155	Layered Double Hydroxide Clusters as Precursors of Novel Multifunctional Layers: A Bottom-Up Approach. Coatings, 2019, 9, 328.	2.6	19
156	Photodynamic Inactivation of Candida albicans in Blood Plasma and Whole Blood. Antibiotics, 2019, 8, 221.	3.7	19
157	Pyrazole-pyridinium porphyrins and chlorins as powerful photosensitizers for photoinactivation of planktonic and biofilm forms of E. coli. Dyes and Pigments, 2021, 193, 109557.	3.7	19
158	Isolation of Surfactant-Resistant Pseudomonads from the Estuarine Surface Microlayer. Journal of Microbiology and Biotechnology, 2012, 22, 283-291.	2.1	19
159	Development and validation of an experimental life support system for assessing the effects of global climate change and environmental contamination on estuarine and coastal marine benthic communities. Global Change Biology, 2013, 19, 2584-2595.	9.5	18
160	Synthesis, characterization and biological evaluation of cationic porphyrinâ€“terpyridine derivatives. RSC Advances, 2016, 6, 110674-110685.	3.6	18
161	Application of bacteriophages during depuration reduces the load of Salmonella Typhimurium in cockles. Food Research International, 2016, 90, 73-84.	6.2	18
162	Antimicrobial activity of 2-mercaptobenzothiazole released from environmentally friendly nanostructured layered double hydroxides. Journal of Applied Microbiology, 2017, 122, 1207-1218.	3.1	18

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163	Comparative photodynamic inactivation of bioluminescent E. coli by pyridinium and inverted pyridinium chlorins. Dyes and Pigments, 2020, 173, 107410.	3.7	18
164	Photoinactivation of Escherichia coli with Water-Soluble Ammonium-Substituted Phthalocyanines. ACS Applied Bio Materials, 2020, 3, 4044-4051.	4.6	18
165	Efficient photodynamic inactivation of Candida albicans by porphyrin and potassium iodide co-encapsulation in micelles. Photochemical and Photobiological Sciences, 2020, 19, 1063-1071.	2.9	18
166	Characterization of a Lytic Bacteriophage against Pseudomonas syringae pv. actinidiae and Its Endolysin. Viruses, 2021, 13, 631.	3.3	18
167	Antimicrobial Photodynamic Approach in the Inactivation of Viruses in Wastewater: Influence of Alternative Adjuvants. Antibiotics, 2021, 10, 767.	3.7	18
168	Title is missing!. Aquatic Ecology, 2003, 37, 45-54.	1.5	17
169	Activity and growth efficiency of heterotrophic bacteria in a salt marsh (Ria de Aveiro, Portugal). Microbiological Research, 2005, 160, 279-290.	5.3	17
170	A microcosm approach to evaluate the degradation of tributyltin (TBT) by Aeromonas molluscorum Av27 in estuarine sediments. Environmental Research, 2014, 132, 430-437.	7.5	17
171	Seasonal variation of bacterial communities in shellfish harvesting waters: Preliminary study before applying phage therapy. Marine Pollution Bulletin, 2015, 90, 68-77.	5.0	17
172	Bacterial production of biosurfactants under microaerobic and anaerobic conditions. Reviews in Environmental Science and Biotechnology, 2017, 16, 239-272.	8.1	17
173	Evaluation of meso-substituted cationic corroles as potential antibacterial agents. Anais Da Academia Brasileira De Ciencias, 2018, 90, 1175-1185.	0.8	17
174	Antibacterial Multi-Layered Nanocellulose-Based Patches Loaded with Dexpanthenol for Wound Healing Applications. Nanomaterials, 2020, 10, 2469.	4.1	17
175	Unsymmetrical cationic porphyrin-cyclodextrin bioconjugates for photoinactivation of Escherichia coli. Photodiagnosis and Photodynamic Therapy, 2020, 31, 101788.	2.6	17
176	Photodynamic inactivation of methicillin-resistant Staphylococcus aureus on skin using a porphyrinic formulation. Photodiagnosis and Photodynamic Therapy, 2020, 30, 101754.	2.6	17
177	Phage therapy as a potential approach in the biocontrol of pathogenic bacteria associated with shellfish consumption. International Journal of Food Microbiology, 2021, 338, 108995.	4.7	17
178	Impact of sampling depth and plant species on local environmental conditions, microbiological parameters and bacterial composition in a mercury contaminated salt marsh. Marine Pollution Bulletin, 2012, 64, 263-271.	5.0	16
179	SDS-PAGE and IR spectroscopy to evaluate modifications in the viral protein profile induced by a cationic porphyrinic photosensitizer. Journal of Virological Methods, 2014, 209, 103-109.	2.1	16
180	A novel approach for immobilization of polyhexamethylene biguanide within silica capsules. RSC Advances, 2015, 5, 92656-92663.	3.6	15

#	Article	IF	Citations
181	Frequency and Antibiotic Resistance of Bacteria Implicated in Community Urinary Tract Infections in North Aveiro Between 2011 and 2014. Microbial Drug Resistance, 2018, 24, 493-504.	2.0	15
182	Enlarging Knowledge on Lager Beer Volatile Metabolites Using Multidimensional Gas Chromatography. Foods, 2020, 9, 1276.	4.3	15
183	Bacteriophages in the Control of Aeromonas sp. in Aquaculture Systems: An Integrative View. Antibiotics, 2022, 11, 163.	3.7	15
184	Modelling the ecological patterns of a temperate lagoon in a very wet spring season. Ecological Modelling, 2010, 221, 2302-2322.	2.5	14
185	Effects of ultraviolet radiation on the abundance, diversity and activity of bacterioneuston and bacterioplankton: insights from microcosm studies. Aquatic Sciences, 2011, 73, 63-77.	1.5	14
186	Valorisation of bark lipophilic fractions from three Portuguese Salix species: A systematic study of the chemical composition and inhibitory activity on Escherichia coli. Industrial Crops and Products, 2019, 132, 245-252.	5.2	14
187	Copper effects on bacterial activity of estuarine silty sediments. Estuarine, Coastal and Shelf Science, 2007, 73, 743-752.	2.1	13
188	Outbreak of acute gastroenteritis caused by adenovirus type 41 in a kindergarten. Epidemiology and Infection, 2011, 139, 1672-1675.	2.1	13
189	Revisiting the Frequency and Antimicrobial Resistance Patterns of Bacteria Implicated in Community Urinary Tract Infections. Antibiotics, 2022, 11, 768.	3.7	13
190	Bacterial Productivity Distribution During a Rainy Year in an Estuarine System. Microbial Ecology, 2007, 53, 208-220.	2.8	12
191	Exploring hydrocarbonoclastic bacterial Âcommunities in the estuarine surface microlayer. Aquatic Microbial Ecology, 2011, 64, 185-195.	1.8	12
192	New molecular variants of epsilon and beta IncP-1 plasmids are present in estuarine waters. Plasmid, 2012, 67, 252-258.	1.4	12
193	Bacteriophages with Potential to Inactivate Aeromonas hydrophila in Cockles: In Vitro and In Vivo Preliminary Studies. Antibiotics, 2021, 10, 710.	3.7	12
194	Chemical Characterisation, Antioxidant and Antibacterial Activities of Pinus pinaster Ait. and Pinus pinea L. Bark Polar Extracts: Prospecting Forestry By-Products as Renewable Sources of Bioactive Compounds. Applied Sciences (Switzerland), 2022, 12, 784.	2.5	12
195	Photoinactivation of Phage Phi6 as a SARS-CoV-2 Model in Wastewater: Evidence of Efficacy and Safety. Microorganisms, 2022, 10, 659.	3.6	12
196	Synthesis and photodynamic effects of new porphyrin/4-oxoquinoline derivatives in the inactivation of S. aureus. Photochemical and Photobiological Sciences, 2019, 18, 1910-1922.	2.9	11
197	An Insight into the Role of Non-Porphyrinoid Photosensitizers for Skin Wound Healing. International Journal of Molecular Sciences, 2021, 22, 234.	4.1	11
198	Perylene Toxicity in the Estuarine Environment of Ria de Aveiro (Portugal). Ecotoxicology, 2006, 15, 171-185.	2.4	10

#	Article	IF	Citations
199	Multiple Emulsion Templating of Hybrid Ag/SiO₂ Capsules for Antibacterial Applications. Particle and Particle Systems Characterization, 2015, 32, 561-566.	2.3	10
200	Antimicrobial Photodynamic Therapy in the Control of Pseudomonas syringae pv. actinidiae Transmission by Kiwifruit Pollen. Microorganisms, 2020, 8, 1022.	3.6	10
201	Antimicrobial photodynamic treatment as an alternative approach for Alicyclobacillus acidoterrestris inactivation. International Journal of Food Microbiology, 2020, 333, 108803.	4.7	10
202	Unveiling the bioactivity of Allium triquetrum L. lipophilic fractions: chemical characterization and in vitro antibacterial activity against methicillin-resistant Staphylococcus aureus. Food and Function, 2020, 11, 5257-5265.	4.6	10
203	Cationic Pyrrolidine/Pyrroline-Substituted Porphyrins as Efficient Photosensitizers against E. coli. Molecules, 2021, 26, 464.	3.8	10
204	Physiological responses of marine and brackish water bacterial assemblages in a tidal estuary (Ria de) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	1.8	10
205	Boosting antibiotics performance by new formulations with deep eutectic solvents. International Journal of Pharmaceutics, 2022, 616, 121566.	5.2	10
206	Is bacterioplankton production in the Ria de Aveiro influenced by salt marshes and bed sediment?. Aquatic Ecology, 2002, 36, 469-482.	1.5	9
207	Ectoenzymatic activity and glucose heterotrophic metabolism in a shallow estuary (Ria de Aveiro,) Tj ETQq1 1 0.784314 rgBT /Overlock	1.1	9
208	Role of Transition Metals in <scp>UV</scp>â€Bâ€Induced Damage to Bacteria. Photochemistry and Photobiology, 2013, 89, 640-648.	2.5	9
209	Heterotrophic activities of neustonic and planktonic bacterial communities in an estuarine environment (Ria de Aveiro). Journal of Plankton Research, 2014, 36, 230-242.	1.8	9
210	Overall biochemical changes in bacteria photosensitized with cationic porphyrins monitored by infrared spectroscopy. Future Medicinal Chemistry, 2016, 8, 613-628.	2.3	9
211	Vertical flow constructed wetland as a green solution for low biodegradable and high nitrogen wastewater: A case study of explosives industry. Chemosphere, 2021, 272, 129871.	8.2	9
212	The Antimicrobial Photoinactivation Effect on Escherichia coli through the Action of Inverted Cationic Porphyrinâ€“Cyclodextrin Conjugates. Microorganisms, 2022, 10, 718.	3.6	9
213	Inorganic nutrient regulation of bacterioplankton heterotrophic activity in an estuarine system (Ria) Tj ETQq1 1 0.784314 rgBT /Overl	2.0	8
214	Contribution of chemical water properties to the differential responses of bacterioneuston and bacterioplankton to ultraviolet-B radiation. FEMS Microbiology Ecology, 2014, 87, 517-535.	2.7	8
215	Effect of lysozyme addition on the activity of phages against Vibrio parahaemolyticus. Aquaculture, 2014, 432, 125-129.	3.5	8
216	Evaluation of resistance development and viability recovery by toxigenic and non-toxigenic Staphylococcus aureus strains after repeated cycles of high hydrostatic pressure. Food Microbiology, 2015, 46, 515-520.	4.2	8

#	Article	IF	Citations
217	Efficient Catalytic Oxidation of 3-Arylthio- and 3-Cyclohexylthio-lapachone Derivatives to New Sulfonyl Derivatives and Evaluation of Their Antibacterial Activities. Molecules, 2017, 22, 302.	3.8	8
218	Hepatitis A Immunity in the District of Aveiro (Portugal): An Eleven-Year Surveillance Study (2002â€“2012). Viruses, 2014, 6, 1336-1345.	3.3	7
219	Evaluation of the Potential of Midâ€Infrared Spectroscopy to Assess the Microbiological Quality of Ham. Journal of Food Safety, 2015, 35, 270-275.	2.3	7
220	Indirect and direct damage to genomic DNA induced by 5,10,15-tris(1-methylpyridinium-4-yl)-20-(pentafluorophenyl)porphyrin upon photodynamic action. Journal of Porphyrins and Phthalocyanines, 2016, 20, 331-336.	0.8	7
221	Protein Expression Modifications in Phage-Resistant Mutants of Aeromonas salmonicida after AS-A Phage Treatment. Antibiotics, 2018, 7, 21.	3.7	7
222	Influence of an estuarine plume and marine sewage outfall on the dynamics of coastal bacterioplankton communities. Aquatic Microbial Ecology, 2006, 44, 253-262.	1.8	7
223	Photodynamic inactivation of pathogenic Gram-negative and Gram-positive bacteria mediated by Si(IV) phthalocyanines bearing axial ammonium units. Journal of Photochemistry and Photobiology B: Biology, 2022, 233, 112502.	3.8	7
224	Virological quality of the Ria de Aveiro: Validity of potential microbial indicators. Netherlands Journal of Aquatic Ecology, 1995, 29, 419-425.	0.3	6
225	Bacterial biomass production in an estuarine system: high variability of leucine conversion factors and changes in bacterial community structure during incubation. Aquatic Microbial Ecology, 2011, 62, 299-310.	1.8	6
226	Comparison of Methodologies for the Extraction of Bacterial DNA from Musselsâ€”Relevance for Food Safety. Food Analytical Methods, 2013, 6, 201-209.	2.6	6
227	The cytology and DNA detection by the PapilloCheckÂ® test in the diagnosis of human papillomavirus infection. European Journal of Microbiology and Immunology, 2013, 3, 61-67.	2.8	6
228	Inactivation of enterotoxic and non-enterotoxic Staphylococcus aureus strains by high pressure treatments and evaluation of its impact on virulence factors. Food Control, 2015, 57, 252-257.	5.5	6
229	Evaluation of UV-C Radiation Efficiency in the Decontamination of Inanimate Surfaces and Personal Protective Equipment Contaminated with Phage ï•6. Microorganisms, 2022, 10, 593.	3.6	6
230	SELECTIVE CULTURES FOR THE ISOLATION OF BIOSURFACTANT PRODUCING BACTERIA: COMPARISON OF DIFFERENT COMBINATIONS OF ENVIRONMENTAL INOCULA AND HYDROPHOBIC CARBON SOURCES. Preparative Biochemistry and Biotechnology, 2013, 43, 237-255.	1.9	5
231	Microbial Remediation of Organometals and Oil Hydrocarbons in the Marine Environment. , 2017, , 41-66.		5
232	MIR spectroscopy as alternative method for further confirmation of foodborne pathogens Salmonella spp. and Listeria monocytogenes. Journal of Food Science and Technology, 2018, 55, 3971-3978.	2.8	5
233	Can Corrole Dimers Be Good Photosensitizers to Kill Bacteria?. Microorganisms, 2022, 10, 1167.	3.6	5
234	Risk factors associated with the occurrence of Cryptosporidium parvum infection in calves. Arquivo Brasileiro De Medicina Veterinaria E Zootecnia, 2010, 62, 1325-1330.	0.4	4

#	Article	IF	Citations
235	New nitroindazole-porphyrin conjugates: Synthesis, characterization and antibacterial properties. Bioorganic Chemistry, 2020, 101, 103994.	4.1	4
236	Growth conditions influence UVB sensitivity and oxidative damage in an estuarine bacterial isolate. Photochemical and Photobiological Sciences, 2013, 12, 974-986.	2.9	3
237	Effect of temperature and compression/decompression rates on high pressure inactivation ofListeria. Acta Alimentaria, 2016, 45, 61-68.	0.7	3
238	The Role of Photoactive Materials Based on Tetrapyrrolic Macrocycles in Antimicrobial Photodynamic Therapy. Handbook of Porphyrin Science, 2022, , 201-277.	0.8	3
239	Proportion of prokaryotes enumerated as viruses by epifluorescence microscopy. Annals of Microbiology, 2014, 64, 773-778.	2.6	2
240	Assessment of Transition Metals Toxicity in Environmental Matrices Using Potentiometric Electrodes: Inorganic Mercury(II) in the Seawater as a Case Study. Electroanalysis, 2015, 27, 1932-1938.	2.9	2
241	Effects of the Inoculant Strain Pseudomonas sp. SPN31 nah + and of 2-Methylnaphthalene Contamination on the Rhizosphere and Endosphere Bacterial Communities of Halimione portulacoides. Current Microbiology, 2017, 74, 575-583.	2.2	2
242	Assessing the Potential of Minho and Lima Estuaries for Aquaculture. Journal of Coastal Research, 2020, 95, 148.	0.3	2
243	Sewage bacteriophage photoinactivation by porphyrins immobilized in solid matrixes. , 2009, , .		1
244	Influence of incubation conditions on bacterial production estimates in an estuarine system. Aquatic Ecology, 2014, 48, 327-336.	1.5	1
245	Advances in aPDT based on the combination of a porphyrinic formulation with potassium iodide: Effectiveness on bacteria and fungi planktonic/biofilm forms and viruses. , 2021, , 290-301.		1
246	Assessment of the performance of porphyrin derivatives as photosensitizers for the inactivation of bacterial endospores. , 2009, , .		1
247	The physio-chemical conditions of surface and groundwater resources in water scarce areas â€“ how droughts affect ions migration. , 0, 207, 122-136.		1
248	Mapping Aspergillus niger Metabolite Biomarkers for In Situ and Early Evaluation of Table Grapes Contamination. Foods, 2021, 10, 2870.	4.3	1
249	Conversion of antibacterial activity of grapheneâ€coated textiles through surface polarity. Nano Select, 0, , .	3.7	1
250	Combined Effect of Phage phT4A and Pressure-Based Strategies in the Inhibition of Escherichia coli. Antibiotics, 2022, 11, 211.	3.7	1
251	Evaluation of the Microbiological Quality of Drinking Water in the District of BraganÃ§a (Northwest) Tj ETQq1 1 0.784314 rgBT /Over Directive. Journal of Environmental Quality, 2010, 39, 609-616.	2.0	0
252	Inactivation of microbial biofilms by visible light with a porphyrinic photosensitizer. New Biotechnology, 2014, 31, S178.	4.4	0

#	Article	IF	Citations
253	Effect of different culture conditions on the structural diversity of prokaryote communities in the sediment of earth ponds stocked with gilthead seabreamSparus aurata(Linnaeus, 1758). Aquaculture Research, 2015, 46, 1760-1769.	1.8	0
254	Inactivation of pathogenic bacteria in food matrices: high pressure processing, photodynamic inactivation and pressure-assisted photodynamic inactivation. IOP Conference Series: Earth and Environmental Science, 2017, 85, 012016.	0.3	0
255	Evaluation of the impact of two aquaculture systems on bacterial communities of the estuarine system Ria de Aveiro. , 2009, , .		0
256	Involvement of oxidative stress in UV-induced impairment of bacterial activity and culturability. , 2010, , .		0
257	Bioluminescent Models to Evaluate the Efficiency of Light-Based Antibacterial Approaches. Methods in Molecular Biology, 2022, 2451, 631-669.	0.9	0