Isabel Henriques

List of Publications by Citations

122 papers	3,601 citations	33 h-index	55 g-index
127 ext. papers	4,729 ext. citations	5.5 avg, IF	5.46 L-index

#	Paper	IF	Citations
122	INTEGRALL: a database and search engine for integrons, integrases and gene cassettes. *Bioinformatics*, **2009**, 25, 1096-8	7.2	343
121	Antibiotic resistance in European wastewater treatment plants mirrors the pattern of clinical antibiotic resistance prevalence. *Science Advances*, **2019**, 5, eaau9124	14.3	184
120	Occurrence and diversity of integrons and beta-lactamase genes among ampicillin-resistant isolates from estuarine waters. *Research in Microbiology*, **2006**, 157, 938-47	4	155
119	Wavelength dependence of biological damage induced by UV radiation on bacteria. *Archives of Microbiology*, **2013**, 195, 63-74	3	129
118	Prevalence and characterization of integrons from bacteria isolated from a slaughterhouse wastewater treatment plant. *Journal of Antimicrobial Chemotherapy*, **2007**, 60, 1243-50	5.1	127
117	Antibiotic residues in final effluents of European wastewater treatment plants and their impact on the aquatic environment. *Environment International*, **2020**, 140, 105733	12.9	124
116	Resistance to broad-spectrum antibiotics in aquatic systems: anthropogenic activities modulate the dissemination of bla(CTX-M)-like genes. *Applied and Environmental Microbiology*, **2012**, 78, 4134-40	4.8	117
115	Changes in the bacterial community structure in two-stage constructed wetlands with different plants for industrial wastewater treatment. *Bioresource Technology*, **2009**, 100, 3228-35	11	105
114	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	2.9	81
113	Co-resistance to different classes of antibiotics among ESBL-producers from aquatic systems. *Water Research*, **2014**, 48, 100-7	12.5	79
112	Wastewater bacterial communities bring together broad-host range plasmids, integrons and a wide diversity of uncharacterized gene cassettes. *Research in Microbiology*, **2010**, 161, 58-66	4	79
111	Substrate effect on bacterial communities from constructed wetlands planted with Typha latifolia treating industrial wastewater. *Ecological Engineering*, **2009**, 35, 744-753	3.9	75
110	Novel gene cassettes and integrons in antibiotic-resistant bacteria isolated from urban wastewaters. *Research in Microbiology*, **2012**, 163, 92-100	4	64
109	Bacterial lineages putatively associated with the dissemination of antibiotic resistance genes in a full-scale urban wastewater treatment plant. *Environment International*, **2018**, 118, 179-188	12.9	63
108	Characterization of antibiotic resistant and pathogenic Escherichia coli in irrigation water and vegetables in household farms. *International Journal of Food Microbiology*, **2017**, 257, 192-200	5.8	62
107	Characterization of bacterial diversity in two aerated lagoons of a wastewater treatment plant using PCR-DGGE analysis. *Microbiological Research*, **2009**, 164, 560-9	5.3	60
106	Sfh-I, a subclass B2 metallo-beta-lactamase from a Serratia fonticola environmental isolate. *Antimicrobial Agents and Chemotherapy*, **2003**, 47, 2330-3	5.9	56

105	Molecular characterization of a carbapenem-hydrolyzing class A beta-lactamase, SFC-1, from Serratia fonticola UTAD54. *Antimicrobial Agents and Chemotherapy*, **2004**, 48, 2321-4	5.9	54
104	Analysing diversity among beta-lactamase encoding genes in aquatic environments. *FEMS Microbiology Ecology*, **2006**, 56, 418-29	4.3	52
103	Rapid differentiation of species of Botryosphaeriaceae by PCR fingerprinting. *Research in Microbiology*, **2007**, 158, 112-21	4	49
102	Molecular sequence analysis of prokaryotic diversity in the middle and outer sections of the Portuguese estuary Ria de Aveiro. *FEMS Microbiology Ecology*, **2004**, 49, 269-79	4.3	49
101	Low Prevalence of Carbapenem-Resistant Bacteria in River Water: Resistance Is Mostly Related to Intrinsic Mechanisms. *Microbial Drug Resistance*, **2015**, 21, 497-506	2.9	45
100	Contribution of reactive oxygen species to UV-B-induced damage in bacteria. *Journal of Photochemistry and Photobiology B: Biology*, **2012**, 117, 40-6	6.7	44
99	Seawater is a reservoir of multi-resistant Escherichia coli, including strains hosting plasmid-mediated quinolones resistance and extended-spectrum beta-lactamases genes. *Frontiers in Microbiology*, **2014**, 5, 426	5.7	41
98	Gulls identified as major source of fecal pollution in coastal waters: a microbial source tracking study. *Science of the Total Environment*, **2014**, 470-471, 84-91	10.2	40
97	Effects of UV-B radiation on the structural and physiological diversity of bacterioneuston and bacterioplankton. *Applied and Environmental Microbiology*, **2012**, 78, 2066-9	4.8	40
96	Culturable endophytic bacteria from the salt marsh plant Halimione portulacoides: phylogenetic diversity, functional characterization, and influence of metal(loid) contamination. *Environmental Science and Pollution Research*, **2016**, 23, 10200-14	5.1	38
95	Effects of UV radiation on the lipids and proteins of bacteria studied by mid-infrared spectroscopy. *Environmental Science & Technology*, **2013**, 47, 6306-15	10.3	38
94	Evaluation of amplified ribosomal DNA restriction analysis as a method for the identification of Botryosphaeria species. *FEMS Microbiology Letters*, **2005**, 245, 221-9	2.9	38
93	Broad diversity of conjugative plasmids in integron-carrying bacteria from wastewater environments. *FEMS Microbiology Letters*, **2012**, 330, 157-64	2.9	37
92	Bacterial community composition over a dry winter in meso- and eutrophic Portuguese water bodies. *FEMS Microbiology Ecology*, **2007**, 59, 638-50	4.3	37
91	Bacterial community dynamics within an aerobic granular sludge reactor treating wastewater loaded with pharmaceuticals. *Ecotoxicology and Environmental Safety*, **2018**, 147, 905-912	7	35
90	Long-term effects of oxytetracycline exposure in zebrafish: A multi-level perspective. *Chemosphere*, **2019**, 222, 333-344	8.4	34
89	Metal(loid)-Contaminated Soils as a Source of Culturable Heterotrophic Aerobic Bacteria for Remediation Applications. *Geomicrobiology Journal*, **2017**, 34, 760-768	2.5	30
88	mcr-1 and bla in Escherichia coli Sequence Type 744 after Meropenem and Colistin Therapy, Portugal. *Emerging Infectious Diseases*, **2017**, 23, 1419-1421	10.2	30

87	Genetic diversity and antimicrobial resistance of Escherichia coli from Tagus estuary (Portugal). *Science of the Total Environment*, **2013**, 461-462, 65-71	10.2	30
86	Co-selection of antibiotic and metal(loid) resistance in gram-negative epiphytic bacteria from contaminated salt marshes. *Marine Pollution Bulletin*, **2016**, 109, 427-434	6.7	28
85	Short-term variability of abundance, diversity and activity of estuarine bacterioneuston and bacterioplankton. *Journal of Plankton Research*, **2009**, 31, 1545-1555	2.2	28
84	Occurrence of IMP-8, IMP-10, and IMP-13 metallo-lactamases located on class 1 integrons and other extended-spectrum lactamases in bacterial isolates from Tunisian rivers. *Scandinavian Journal of Infectious Diseases*, **2013**, 45, 95-103		26
83	Environmental Shewanella xiamenensis strains that carry blaOXA-48 or blaOXA-204 genes: additional proof for blaOXA-48-like gene origin. *Antimicrobial Agents and Chemotherapy*, **2013**, 57, 6399-400	5.9	26
82	Salivary peptidomic as a tool to disclose new potential antimicrobial peptides. *Journal of Proteomics*, **2015**, 115, 49-57	3.9	25
81	Prevalence and diversity of carbapenem-resistant bacteria in untreated drinking water in Portugal. *Microbial Drug Resistance*, **2012**, 18, 531-7	2.9	25
80	Characterization of microbial population of TAlheiraT(a traditional Portuguese fermented sausage) by PCR-DGGE and traditional cultural microbiological methods. *Journal of Applied Microbiology*, **2008**, 105, 2187-94	4.7	25
79	The impact of antibiotic exposure in water and zebrafish gut microbiomes: A 16S rRNA gene-based metagenomic analysis. *Ecotoxicology and Environmental Safety*, **2019**, 186, 109771	7	23
78	Tetracycline-resistance genes in gram-negative isolates from estuarine waters. *Letters in Applied Microbiology*, **2008**, 47, 526-33	2.9	23
77	Functional annotation of hypothetical proteins from the Exiguobacterium antarcticum strain B7 reveals proteins involved in adaptation to extreme environments, including high arsenic resistance. *PLoS ONE*, **2018**, 13, e0198965	3.7	22
76	Diversity in UV sensitivity and recovery potential among bacterioneuston and bacterioplankton isolates. *Letters in Applied Microbiology*, **2011**, 52, 360-6	2.9	22
75	Shewanella species as the origin of bla genes: insights into gene diversity, associated phenotypes and possible transfer mechanisms. *International Journal of Antimicrobial Agents*, **2018**, 51, 340-348	14.3	21
74	Biochemical Characterization of SFC-1, a class A carbapenem-hydrolyzing beta-lactamase. *Antimicrobial Agents and Chemotherapy*, **2007**, 51, 4512-4	5.9	21
73	Occurrence of carbapenemase-producing Enterobacteriaceae in a Portuguese river: bla, bla and bla among the detected genes. *Environmental Pollution*, **2020**, 260, 113913	9.3	21
72	Microbacterium diaminobutyricum sp. nov., isolated from Halimione portulacoides, which contains diaminobutyric acid in its cell wall, and emended description of the genus Microbacterium. *International Journal of Systematic and Evolutionary Microbiology*, **2016**, 66, 4492-4500	2.2	20
71	The role of bacteria in pine wilt disease: insights from microbiome analysis. *FEMS Microbiology Ecology*, **2018**, 94,	4.3	19
70	The contribution of Escherichia coli from human and animal sources to the integron gene pool in coastal waters. *Frontiers in Microbiology*, **2014**, 5, 419	5.7	19

69	Evaluation of 16S rDNA- and gyrB-DGGE for typing members of the genus Aeromonas. *FEMS Microbiology Letters*, **2005**, 246, 11-8	2.9	19
68	Antibiotic and metal resistance in a ST395 Pseudomonas aeruginosa environmental isolate: A genomics approach. *Marine Pollution Bulletin*, **2016**, 110, 75-81	6.7	18
67	Antibacterial activity of oxytetracycline photoproducts in marine aquaculture's water. *Environmental Pollution*, **2017**, 220, 644-649	9.3	18
66	The UV responses of bacterioneuston and bacterioplankton isolates depend on the physiological condition and involve a metabolic shift. *FEMS Microbiology Ecology*, **2012**, 80, 646-58	4.3	18
65	Extended Spectrum Beta-Lactamase-Producing Gram-Negative Bacteria Recovered From an Amazonian Lake Near the City of Belém, Brazil. *Frontiers in Microbiology*, **2019**, 10, 364	5.7	17
64	Applicability of rep-PCR genomic fingerprinting to molecular discrimination of members of the genera Phaeoacremonium and Phaeomoniella. *Plant Pathology*, **2004**, 53, 629-634	2.8	17
63	A global multinational survey of cefotaxime-resistant coliforms in urban wastewater treatment plants. *Environment International*, **2020**, 144, 106035	12.9	17
62	Fate of cefotaxime-resistant Enterobacteriaceae and ESBL-producers over a full-scale wastewater treatment process with UV disinfection. *Science of the Total Environment*, **2018**, 639, 1028-1037	10.2	17
61	Bacterial community associated to the pine wilt disease insect vectors Monochamus galloprovincialis and Monochamus alternatus. *Scientific Reports*, **2016**, 6, 23908	4.9	16
60	Long-term effects of Cu(OH) nanopesticide exposure on soil microbial communities. *Environmental Pollution*, **2021**, 269, 116113	9.3	16
59	Diversity of gene cassette promoters in class 1 integrons from wastewater environments. *Applied and Environmental Microbiology*, **2012**, 78, 5413-6	4.8	15
58	Bacterial Diversity and Geochemical Profiles in Sediments from Eutrophic Azorean Lakes. *Geomicrobiology Journal*, **2012**, 29, 704-715	2.5	15
57	Long-term performance and microbial dynamics of an up-flow fixed bed reactor established for the biodegradation of fluorobenzene. *Applied Microbiology and Biotechnology*, **2006**, 71, 555-62	5.7	15
56	Molecular analysis of the diversity of genus Psychrobacter present within a temperate estuary. *FEMS Microbiology Ecology*, **2013**, 84, 451-60	4.3	14
55	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, 263-71	6.7	13
54	Phylogenetic diversity and functional characterization of the Manila clam microbiota: a culture-based approach. *Environmental Science and Pollution Research*, **2017**, 24, 21721-21732	5.1	13
53	Spatial and temporal analysis of estuarine bacterioneuston and bacterioplankton using culture-dependent and culture-independent methodologies. *Antonie Van Leeuwenhoek*, **2012**, 101, 819-35	2.1	13
52	Effects of ultraviolet radiation on the abundance, diversity and activity of bacterioneuston and bacterioplankton: insights from microcosm studies. *Aquatic Sciences*, **2011**, 73, 63-77	2.5	13

51	Altererythrobacter halimionae sp. nov. and Altererythrobacter endophyticus sp. nov., two endophytes from the salt marsh plant Halimione portulacoides. *International Journal of Systematic and Evolutionary Microbiology*, **2017**, 67, 3057-3062	2.2	13
50	Zebrafish and water microbiome recovery after oxytetracycline exposure. *Environmental Pollution*, **2021**, 272, 116371	9.3	13
49	Basagran induces developmental malformations and changes the bacterial community of zebrafish embryos. *Environmental Pollution*, **2017**, 221, 52-63	9.3	12
48	Biodegradation of 2-fluorobenzoate in upflow fixed bed bioreactors operated with different growth support materials. *Journal of Chemical Technology and Biotechnology*, **2006**, 81, 1577-1585	3.5	12
47	Assessment of rhizospheric culturable bacteria of Phragmites australis and Juncus effusus from polluted sites. *Journal of Basic Microbiology*, **2015**, 55, 1179-90	2.7	11
46	A microcosm approach to evaluate the degradation of tributyltin (TBT) by Aeromonas molluscorum Av27 in estuarine sediments. *Environmental Research*, **2014**, 132, 430-7	7.9	11
45	New molecular variants of epsilon and beta IncP-1 plasmids are present in estuarine waters. *Plasmid*, **2012**, 67, 252-8	3.3	11
44	A molecular and multivariate approach to the microbial community of a commercial shallow raceway marine recirculation system operating with a Moving Bed Biofilter. *Aquaculture Research*, **2011**, 42, 1308-1322	1.9	10
43	Selection of antibiotic resistance by metals in a riverine bacterial community. *Chemosphere*, **2021**, 263, 127936	8.4	10
42	Chemical composition and antimicrobial activity of Satureja montana byproducts essential oils. *Industrial Crops and Products*, **2019**, 137, 541-548	5.9	9
41	Inorganic nitrate prevents the loss of tight junction proteins and modulates inflammatory events induced by broad-spectrum antibiotics: A role for intestinal microbiota?. *Nitric Oxide - Biology and Chemistry*, **2019**, 88, 27-34	5	9
40	Genetic characterization of a new thermotolerant Bacillus licheniformis strain. *Current Microbiology* , **2000**, 40, 137-9	2.4	9
39	Combined effect of temperature and copper pollution on soil bacterial community: climate change and regional variation aspects. *Ecotoxicology and Environmental Safety*, **2015**, 111, 153-9	7	8
38	Comparative genomics of IncP-1 plasmids from water environments reveals diverse and unique accessory genetic elements. *Plasmid*, **2013**, 70, 412-9	3.3	8
37	Contribution of chemical water properties to the differential responses of bacterioneuston and bacterioplankton to ultraviolet-B radiation. *FEMS Microbiology Ecology*, **2014**, 87, 517-35	4.3	8
36	Occurrence, antibiotic-resistance and virulence of E. coli strains isolated from mangrove oysters (Crassostrea gasar) farmed in estuaries of Amazonia. *Marine Pollution Bulletin*, **2020**, 157, 111302	6.7	7
35	Resistome in Lake Bolonha, Brazilian Amazon: Identification of Genes Related to Resistance to Broad-Spectrum Antibiotics. *Frontiers in Microbiology*, **2020**, 11, 67	5.7	7
34	Analysis of antibiotic resistance in bacteria isolated from the surface microlayer and underlying water of an estuarine environment. *Microbial Drug Resistance*, **2013**, 19, 64-71	2.9	7

33	Saccharospirillum correiae sp. nov., an endophytic bacterium isolated from the halophyte Halimione portulacoides. *International Journal of Systematic and Evolutionary Microbiology*, **2017**, 67, 2026-2030	2.2	7
32	Impact of AgS NPs on soil bacterial community - A terrestrial mesocosm approach. *Ecotoxicology and Environmental Safety*, **2020**, 206, 111405	7	7
31	Diversity of endophytic Pseudomonas in Halimione portulacoides from metal(loid)-polluted salt marshes. *Environmental Science and Pollution Research*, **2016**, 23, 13255-67	5.1	7
30	Zunongwangia endophytica sp. nov., an endophyte isolated from the salt marsh plant, Halimione portulacoides, and emended description of the genus Zunongwangia. *International Journal of Systematic and Evolutionary Microbiology*, **2017**, 67, 3004-3009	2.2	6
29	Genotypic and phenotypic traits of bla-carrying Escherichia coli strains from an UV-C-treated wastewater effluent. *Water Research*, **2020**, 184, 116079	12.5	5
28	Role of transition metals in UV-B-induced damage to bacteria. *Photochemistry and Photobiology*, **2013**, 89, 640-8	3.6	4
27	The endosphere of the salt marsh plant Halimione portulacoides is a diversity hotspot for the genus Salinicola: description of five novel species Salinicola halimionae sp. nov., Salinicola aestuarinus sp. nov., Salinicola endophyticus sp. nov., Salinicola halophyticus sp. nov. and Salinicola lusitanus sp. nov. *International Journal of Systematic and Evolutionary Microbiology*, **2019**, 69, 46-62	2.2	4
26	Exploring antibiotic resistance in environmental integron-cassettes through intI-attC amplicons deep sequencing. *Brazilian Journal of Microbiology*, **2021**, 52, 363-372	2.2	4
25	Endophytic Lifestyle of Global Clones of Extended-Spectrum β-Lactamase-Producing Priority Pathogens in Fresh Vegetables: a Trojan Horse Strategy Favoring Human Colonization?. *MSystems*, **2021**, 6,	7.6	4
24	Carbapenem-resistant bacteria over a wastewater treatment process: Carbapenem-resistant Enterobacteriaceae in untreated wastewater and intrinsically-resistant bacteria in final effluent. *Science of the Total Environment*, **2021**, 782, 146892	10.2	4
23	Growth conditions influence UVB sensitivity and oxidative damage in an estuarine bacterial isolate. *Photochemical and Photobiological Sciences*, **2013**, 12, 974-86	4.2	3
22	Draft Genome Sequence of Serratia fonticola UTAD54, a Carbapenem-Resistant Strain Isolated from Drinking Water. *Genome Announcements*, **2013**, 1,		3
21	PCR-DGGE-based methodologies to assess diversity and dynamics of Aeromonas communities. *Journal of Applied Microbiology*, **2010**, 108, 611-23	4.7	3
20	Tetracycline-Resistant Bacteria Selected from Water and Zebrafish after Antibiotic Exposure. *International Journal of Environmental Research and Public Health*, **2021**, 18,	4.6	3
19	Genome analysis of two multidrug-resistant Escherichia coli O8:H9-ST48 strains isolated from lettuce. *Gene*, **2021**, 785, 145603	3.8	3
18	Culture-independent methods reveal high diversity of OXA-48-like genes in water environments. *Journal of Water and Health*, **2017**, 15, 519-525	2.2	2
17	Using flow cytometry for bacterioplankton community analysis as a complementary tool to Water Framework Directive to signal putatively impacted sites. *Science of the Total Environment*, **2019**, 695, 133754	10.2	2
16	Draft Genome Sequence of Serratia fonticola LMG 7882T Isolated from Freshwater. *Genome Announcements*, **2013**, 1,		2

15	Occurrence and distribution of Carbapenem-resistant Enterobacterales and carbapenemase genes along a highly polluted hydrographic basin.. *Environmental Pollution*, **2022**, 300, 118958	9.3	2
14	Genomic analysis of Chromobacterium haemolyticum: insights into the species resistome, virulence determinants and genome plasticity. *Molecular Genetics and Genomics*, **2020**, 295, 1001-1012	3.1	2
13	Third generation cephalosporin-resistant Klebsiella pneumoniae thriving in patients and in wastewater: what do they have in common?. *BMC Genomics*, **2022**, 23, 72	4.5	1
12	Effects of Long-Term Exposure to Increased Salinity on the Amphibian Skin Bacterium Erwinia toletana. *Archives of Environmental Contamination and Toxicology*, **2021**, 80, 779-788	3.2	1
11	New insights into the role of constitutive bacterial rhizobiome and phenolic compounds in two Pinus spp. with contrasting susceptibility to pine pitch canker. *Tree Physiology*, **2021**,	4.2	1
10	The impact of silver sulfide nanoparticles and silver ions in soil microbiome. *Journal of Hazardous Materials*, **2022**, 422, 126793	12.8	1
9	gene diversity in spp.. *Microbiology (United Kingdom)*, **2021**, 167,	2.9	1
8	Pseudomonas associated with Bursaphelenchus xylophilus, its insect vector and the host tree: A role in pine wilt disease?. *Forest Pathology*, **2019**, 49, e12564	1.2	0
7	Gut and faecal bacterial community of the terrestrial isopod Porcellionides pruinosus: potential use for monitoring exposure scenarios. *Ecotoxicology*, **2021**, 30, 2096-2108	2.9	0
6	Pollution- induced community tolerance framework - disc diffusion method to assess the impact of silver nanoparticles in soils: Potential relevance for risk assessment. *Applied Soil Ecology*, **2022**, 169, 104185	5	0
5	Microbial Associations of Abyssal Gorgonians and Anemones (>4,000 m Depth) at the Clarion-Clipperton Fracture Zone.. *Frontiers in Microbiology*, **2022**, 13, 828469	5.7	0
4	KPC-3-, GES-5-, and VIM-1-Producing Enterobacterales Isolated from Urban Ponds. *International Journal of Environmental Research and Public Health*, **2022**, 19, 5848	4.6	0
3	Short-Term Responses of Soil Microbial Communities to Changes in Air Temperature, Soil Moisture and UV Radiation. *Genes*, **2022**, 13, 850	4.2	0
2	Draft genome sequence of Psychrobacter sp. ENNN9_III, a strain isolated from water in a polluted temperate estuarine system (Ria de Aveiro, Portugal). *Genomics Data*, **2016**, 8, 21-4		
1	Linking the Environmental Microbial Diversity and Antibiotic Resistance **2019**, 451-457		