Miguel Balado

List of Publications by Year
in descending order

40 papers	908 citations	471509 17 h-index	477307 29 g-index
41 all docs	41 docs citations	41 times ranked	791 citing authors

#	Article	IF	Citations
1	FrpA is the outer membrane piscibactin transporter in Vibrio anguillarum: structural elements in synthetic piscibactin analogues required for transport. Journal of Biological Inorganic Chemistry, 2022, 27, 133-142.	2.6	5
2	Selective detection of Aeromonas spp. by a fluorescent probe based on the siderophore amonabactin. Journal of Inorganic Biochemistry, 2022, 230, 111743.	3.5	3
3	Draft Genome Sequences of Five Vibrio neptunius Strains Isolated from Hatcheries of Bivalve Mollusks. Microbiology Resource Announcements, 2021, 10, .	0.6	1
4	The Vibriolysin-Like Protease VnpA and the Collagenase ColA Are Required for Full Virulence of the Bivalve Mollusks Pathogen Vibrio neptunius. Antibiotics, 2021, 10, 391.	3.7	4
5	Vibrio neptunius Produces Piscibactin and Amphibactin and Both Siderophores Contribute Significantly to Virulence for Clams. Frontiers in Cellular and Infection Microbiology, 2021, 11, 750567.	3.9	8
6	The Temperature-Dependent Expression of the High-Pathogenicity Island Encoding Piscibactin in Vibrionaceae Results From the Combined Effect of the AraC-Like Transcriptional Activator PbtA and Regulatory Factors From the Recipient Genome. Frontiers in Microbiology, 2021, 12, 748147.	3.5	3
7	Susceptibility to Bismuth(III) of Aquaculture Bacterial Pathogens: Effectiveness of Bismuthâ€“Deferiprone Therapy against Vibrio anguillarum Infection in Fish. Microorganisms, 2021, 9, 2399.	3.6	0
8	Virulence properties of three new Photobacterium species affecting cultured fish. Journal of Applied Microbiology, 2020, 129, 37-50.	3.1	12
9	The marine bivalve molluscs pathogen Vibrio neptunius produces the siderophore amphibactin, which is widespread in molluscs microbiota. Environmental Microbiology, 2020, 22, 5467-5482.	3.8	7
10	Iron uptake mechanisms as key virulence factors in bacterial fish pathogens. Journal of Applied Microbiology, 2020, 129, 104-115.	3.1	24
11	Synthesis of Functionalized Magnetic Nanoparticles, Their Conjugation with the Siderophore Feroxamine and its Evaluation for Bacteria Detection. Journal of Visualized Experiments, 2020, , .	0.3	0
12	Preparation of functionalized magnetic nanoparticles conjugated with feroxamine and their evaluation for pathogen detection. RSC Advances, 2019, 9, 13533-13542.	3.6	9
13	The Expression of Virulence Factors in Vibrio anguillarum Is Dually Regulated by Iron Levels and Temperature. Frontiers in Microbiology, 2019, 10, 2335.	3.5	54
14	The Outer Membrane Protein FstC of Aeromonas salmonicida subsp. salmonicida Acts as Receptor for Amonabactin Siderophores and Displays a Wide Ligand Plasticity. Structureâ€“Activity Relationships of Synthetic Amonabactin Analogues. ACS Infectious Diseases, 2019, 5, 1936-1951.	3.8	8
15	The Fish Pathogen Vibrio ordalii Under Iron Deprivation Produces the Siderophore Piscibactin. Microorganisms, 2019, 7, 313.	3.6	15
16	Outer membrane protein FrpA, the siderophore piscibactin receptor of Photobacterium damselae subsp. piscicida, as a subunit vaccine against photobacteriosis in sole (Solea senegalensis). Fish and Shellfish Immunology, 2019, 94, 723-729.	3.6	13
17	Methodological evaluation of DNA-based molecular keys to identify categories of mislabelling in commercial products from genus Merluccius spp.. Food Chemistry, 2018, 239, 640-648.	8.2	11
18	The Siderophore Piscibactin Is a Relevant Virulence Factor for Vibrio anguillarum Favored at Low Temperatures. Frontiers in Microbiology, 2018, 9, 1766.	3.5	40

#	Article	IF	Citations
19	A proteomic analysis of the iron response of Photobacterium damselae subsp. damselae reveals metabolic adaptations to iron levels changes and novel potential virulence factors. Veterinary Microbiology, 2017, 201, 257-264.	1.9	26
20	Identification of the Ferric-Acinetobactin Outer Membrane Receptor in Aeromonas salmonicida subsp. salmonicida and Structureâ€“Activity Relationships of Synthetic Acinetobactin Analogues. ACS Chemical Biology, 2017, 12, 479-493.	3.4	12
21	Genomic analysis of the marine fish pathogen Photobacterium damselae subsp. piscicida: Insertion sequences proliferation is associated with chromosomal reorganisations and rampant gene decay. Infection, Genetics and Evolution, 2017, 54, 221-229.	2.3	15
22	Secreted Citrate Serves as Iron Carrier for the Marine Pathogen Photobacterium damselae subsp damselae. Frontiers in Cellular and Infection Microbiology, 2017, 7, 361.	3.9	22
23	Iron assimilation and siderophore production by Vibrio ordalii strains isolated from diseased Atlantic salmon Salmo salar in Chile. Diseases of Aquatic Organisms, 2016, 118, 217-226.	1.0	9
24	A Transmissible Plasmid-Borne Pathogenicity Island Confers Piscibactin Biosynthesis in the Fish Pathogen Photobacterium damselae subsp. piscicida. Applied and Environmental Microbiology, 2015, 81, 5867-5879.	3.1	48
25	Two Catechol Siderophores, Acinetobactin and Amonabactin, Are Simultaneously Produced by Aeromonas salmonicida subsp. salmonicida Sharing Part of the Biosynthetic Pathway. ACS Chemical Biology, 2015, 10, 2850-2860.	3.4	38
26	Out of the Celtic cradle: The genetic signature of European hake connectivity in South-western Europe. Journal of Sea Research, 2014, 93, 90-100.	1.6	13
27	Genetic characterization of pPHDP60, a novel conjugative plasmid from the marine fish pathogen Photobacterium damselae subsp. piscicida. Plasmid, 2013, 70, 154-159.	1.4	9
28	Integrating conjugative elements of the SXT/R391 family from fish-isolatedVibriosencode restriction-modification systems that confer resistance to bacteriophages. FEMS Microbiology Ecology, 2013, 83, 457-467.	2.7	39
29	Synthesis and antibacterial activity of conjugates between norfloxacin and analogues of the siderophore vanchrobactin. Bioorganic and Medicinal Chemistry, 2013, 21, 295-302.	3.0	36
30	Synergistic and Additive Effects of Chromosomal and Plasmid-Encoded Hemolysins Contribute to Hemolysis and Virulence in Photobacterium damselae subsp. damselae. Infection and Immunity, 2013, 81, 3287-3299.	2.2	60
31	Structure and Biosynthetic Assembly of Piscibactin, a Siderophore from Photobacterium damselae subsp. piscicida, Predicted from Genome Analysis. European Journal of Organic Chemistry, 2012, 2012, 5693-5700.	2.4	49
32	The Photobacterium damselae subsp. damselae Hemolysins Damselysin and HlyA Are Encoded within a New Virulence Plasmid. Infection and Immunity, 2011, 79, 4617-4627.	2.2	73
33	Anguibactinâ€versus vanchrobactinâ€mediated iron uptake in Vibrio anguillarum: evolution and ecology of a fish pathogen. Environmental Microbiology Reports, 2010, 2, 19-26.	2.4	41
34	FvtA Is the Receptor for the Siderophore Vanchrobactin inVibrio anguillarum: Utility as a Route of Entry for Vanchrobactin Analogues. Applied and Environmental Microbiology, 2009, 75, 2775-2783.	3.1	26
35	Genetic characterization of pAsa6, a new plasmid from Aeromonas salmonicida subsp. salmonicida that encodes a type III effector protein AopH homolog. Plasmid, 2009, 61, 176-181.	1.4	15
36	Synthesis and biological activity of analogues of vanchrobactin, a siderophore from Vibrio anguillarum serotype O2. Organic and Biomolecular Chemistry, 2008, 6, 1278.	2.8	12

#	Article	IF	Citations
37	Biosynthetic and regulatory elements involved in the production of the siderophore vanchrobactin in Vibrio anguillarum. Microbiology (United Kingdom), 2008, 154, 1400-1413.	1.8	30
38	Structural characterization of vanchrobactin, a new catechol siderophore produced by the fish pathogen Vibrio anguillarum serotype O2. Tetrahedron Letters, 2006, 47, 7113-7116.	1.4	60
39	A gene cluster involved in the biosynthesis of vanchrobactin, a chromosome-encoded siderophore produced by Vibrio anguillarum. Microbiology (United Kingdom), 2006, 152, 3517-3528.	1.8	45
40	Identification of South Atlantic Hakes(Merluccius australisandMerluccius hubbsi)in Processed Foods by PCR-RFLPs of CytochromebGene. Journal of Aquatic Food Product Technology, 2004, 13, 59-67.	1.4	13