

# Miguel Balado

## List of Publications by Year in descending order

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papers

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471509

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477307

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#	ARTICLE	IF	CITATIONS
1	The Photobacterium damsela subsp. damsela Hemolysins Damselysin and HlyA Are Encoded within a New Virulence Plasmid. Infection and Immunity, 2011, 79, 4617-4627.	2.2	73
2	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
3	Synergistic and Additive Effects of Chromosomal and Plasmid-Encoded Hemolysins Contribute to Hemolysis and Virulence in Photobacterium damsela subsp. damsela. Infection and Immunity, 2013, 81, 3287-3299.	2.2	60
4	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
5	Structure and Biosynthetic Assembly of Piscibactin, a Siderophore from <i>Photobacterium damsela</i> subsp. <i>piscicida</i> , Predicted from Genome Analysis. European Journal of Organic Chemistry, 2012, 2012, 5693-5700.	2.4	49
6	A Transmissible Plasmid-Borne Pathogenicity Island Confers Piscibactin Biosynthesis in the Fish Pathogen Photobacterium damsela subsp. piscicida. Applied and Environmental Microbiology, 2015, 81, 5867-5879.	3.1	48
7	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
8	Anguibactin versus vanchrobactin-mediated iron uptake in <i>Vibrio anguillarum</i> : evolution and ecology of a fish pathogen. Environmental Microbiology Reports, 2010, 2, 19-26.	2.4	41
9	The Siderophore Piscibactin Is a Relevant Virulence Factor for Vibrio anguillarum Favored at Low Temperatures. Frontiers in Microbiology, 2018, 9, 1766.	3.5	40
10	Integrating conjugative elements of the SXT/R391 family from fish-isolated <i>Vibrios</i> encode restriction-modification systems that confer resistance to bacteriophages. FEMS Microbiology Ecology, 2013, 83, 457-467.	2.7	39
11	Two Catechol Siderophores, Acinetobactin and Amonabactin, Are Simultaneously Produced by <i>Aeromonas salmonicida</i> subsp. <i>salmonicida</i> Sharing Part of the Biosynthetic Pathway. ACS Chemical Biology, 2015, 10, 2850-2860.	3.4	38
12	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
13	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
14	FvtA Is the Receptor for the Siderophore Vanchrobactin in <i>Vibrio anguillarum</i> : Utility as a Route of Entry for Vanchrobactin Analogues. Applied and Environmental Microbiology, 2009, 75, 2775-2783.	3.1	26
15	A proteomic analysis of the iron response of Photobacterium damsela subsp. damsela reveals metabolic adaptations to iron levels changes and novel potential virulence factors. Veterinary Microbiology, 2017, 201, 257-264.	1.9	26
16	Iron uptake mechanisms as key virulence factors in bacterial fish pathogens. Journal of Applied Microbiology, 2020, 129, 104-115.	3.1	24
17	Secreted Citrate Serves as Iron Carrier for the Marine Pathogen Photobacterium damsela subsp. damsela. Frontiers in Cellular and Infection Microbiology, 2017, 7, 361.	3.9	22
18	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

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19	Genomic analysis of the marine fish pathogen <i>Photobacterium damsela</i> subsp. <i>piscicida</i> : Insertion sequences proliferation is associated with chromosomal reorganisations and rampant gene decay. <i>Infection, Genetics and Evolution</i> , 2017, 54, 221-229.	2.3	15
20	The Fish Pathogen <i>Vibrio ordalii</i> Under Iron Deprivation Produces the Siderophore Piscibactin. <i>Microorganisms</i> , 2019, 7, 313.	3.6	15
21	Identification of South Atlantic Hakes ( <i>Merluccius australis</i> and <i>Merluccius hubbsi</i> ) in Processed Foods by PCR-RFLPs of Cytochrome b Gene. <i>Journal of Aquatic Food Product Technology</i> , 2004, 13, 59-67.	1.4	13
22	Out of the Celtic cradle: The genetic signature of European hake connectivity in South-western Europe. <i>Journal of Sea Research</i> , 2014, 93, 90-100.	1.6	13
23	Outer membrane protein FrpA, the siderophore piscibactin receptor of <i>Photobacterium damsela</i> subsp. <i>piscicida</i> , as a subunit vaccine against photobacteriosis in sole ( <i>Solea senegalensis</i> ). <i>Fish and Shellfish Immunology</i> , 2019, 94, 723-729.	3.6	13
24	Synthesis and biological activity of analogues of vanchrobactin, a siderophore from <i>Vibrio anguillarum</i> serotype O2. <i>Organic and Biomolecular Chemistry</i> , 2008, 6, 1278.	2.8	12
25	Identification of the Ferric-Acinetobactin Outer Membrane Receptor in <i>Aeromonas salmonicida</i> subsp. <i>salmonicida</i> and Structure-Activity Relationships of Synthetic Acinetobactin Analogues. <i>ACS Chemical Biology</i> , 2017, 12, 479-493.	3.4	12
26	Virulence properties of three new <i>Photobacterium</i> species affecting cultured fish. <i>Journal of Applied Microbiology</i> , 2020, 129, 37-50.	3.1	12
27	Methodological evaluation of DNA-based molecular keys to identify categories of mislabelling in commercial products from genus <i>Merluccius</i> spp.. <i>Food Chemistry</i> , 2018, 239, 640-648.	8.2	11
28	Genetic characterization of pPHDP60, a novel conjugative plasmid from the marine fish pathogen <i>Photobacterium damsela</i> subsp. <i>piscicida</i> . <i>Plasmid</i> , 2013, 70, 154-159.	1.4	9
29	Iron assimilation and siderophore production by <i>Vibrio ordalii</i> strains isolated from diseased Atlantic salmon <i>Salmo salar</i> in Chile. <i>Diseases of Aquatic Organisms</i> , 2016, 118, 217-226.	1.0	9
30	Preparation of functionalized magnetic nanoparticles conjugated with feroxamine and their evaluation for pathogen detection. <i>RSC Advances</i> , 2019, 9, 13533-13542.	3.6	9
31	The Outer Membrane Protein FstC of <i>Aeromonas salmonicida</i> subsp. <i>salmonicida</i> Acts as Receptor for Amonabactin Siderophores and Displays a Wide Ligand Plasticity. Structure-Activity Relationships of Synthetic Amonabactin Analogues. <i>ACS Infectious Diseases</i> , 2019, 5, 1936-1951.	3.8	8
32	<i>Vibrio neptunius</i> Produces Piscibactin and Amphibactin and Both Siderophores Contribute Significantly to Virulence for Clams. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 750567.	3.9	8
33	The marine bivalve molluscs pathogen <i>Vibrio neptunius</i> produces the siderophore amphibactin, which is widespread in molluscs microbiota. <i>Environmental Microbiology</i> , 2020, 22, 5467-5482.	3.8	7
34	FrpA is the outer membrane piscibactin transporter in <i>Vibrio anguillarum</i> : structural elements in synthetic piscibactin analogues required for transport. <i>Journal of Biological Inorganic Chemistry</i> , 2022, 27, 133-142.	2.6	5
35	The Vibriolysin-Like Protease VnpA and the Collagenase ColA Are Required for Full Virulence of the Bivalve Mollusks Pathogen <i>Vibrio neptunius</i> . <i>Antibiotics</i> , 2021, 10, 391.	3.7	4
36	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. <i>Frontiers in Microbiology</i> , 2021, 12, 748147.	3.5	3

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37	Selective detection of <i>Aeromonas</i> spp. by a fluorescent probe based on the siderophore amonabactin. <i>Journal of Inorganic Biochemistry</i> , 2022, 230, 111743.	3.5	3
38	Draft Genome Sequences of Five <i>Vibrio neptunius</i> Strains Isolated from Hatcheries of Bivalve Mollusks. <i>Microbiology Resource Announcements</i> , 2021, 10, .	0.6	1
39	Synthesis of Functionalized Magnetic Nanoparticles, Their Conjugation with the Siderophore Feroxamine and its Evaluation for Bacteria Detection. <i>Journal of Visualized Experiments</i> , 2020, , .	0.3	0
40	Susceptibility to Bismuth(III) of Aquaculture Bacterial Pathogens: Effectiveness of Bismuth-Deferiprone Therapy against <i>Vibrio anguillarum</i> Infection in Fish. <i>Microorganisms</i> , 2021, 9, 2399.	3.6	0