

JosÃ© Luis BalcÃ¡zar

List of Publications by Year in descending order

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Version: 2024-02-01

78
papers

8,908
citations

71102

41
h-index

66911

78
g-index

80
all docs

80
docs citations

80
times ranked

8521
citing authors

#	ARTICLE	IF	CITATIONS
1	Occurrence of veterinary drugs and resistance genes during anaerobic digestion of poultry and cattle manures. <i>Science of the Total Environment</i> , 2022, 822, 153477.	8.0	8
2	Impact of nitrate addition on the resistome and mobilome from a full-scale sewer. <i>Chemical Engineering Journal</i> , 2022, 439, 135653.	12.7	3
3	Side effects of free nitrous acid on the sewer resistome and mobilome. <i>Chemical Engineering Journal</i> , 2021, 405, 126657.	12.7	3
4	Effect of a postbiotic on the histopathological features and expression levels of immune-related genes in farmed rainbow trout (<i>Oncorhynchus mykiss</i>). <i>Aquaculture Research</i> , 2021, 52, 5882-5885.	1.8	1
5	Antimicrobial Resistance and Bacteriophages: An Overlooked Intersection in Water Disinfection. <i>Trends in Microbiology</i> , 2021, 29, 517-527.	7.7	24
6	Enhancing biogas production from the anaerobic treatment of municipal wastewater by forward osmosis pretreatment. <i>Journal of Cleaner Production</i> , 2021, 315, 128140.	9.3	9
7	Effect of Urban Wastewater Discharge on the Abundance of Antibiotic Resistance Genes and Antibiotic-Resistant <i>Escherichia coli</i> in Two Italian Rivers. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 6813.	2.6	16
8	Water safety screening via multiplex LAMP-Au-nanoprobe integrated approach. <i>Science of the Total Environment</i> , 2020, 741, 140447.	8.0	2
9	Effect of a multi-citrus extract-based feed additive on the survival of rainbow trout (<i>Oncorhynchus</i>) Tj ETQq1 1 0.784314 rgB ₂ /Overl	1.6	1
10	Changes in intestinal microbiota and disease resistance following dietary postbiotic supplementation in rainbow trout (<i>Oncorhynchus mykiss</i>). <i>Microbial Pathogenesis</i> , 2020, 142, 104060.	2.9	16
11	Implications of bacteriophages on the acquisition and spread of antibiotic resistance in the environment. <i>International Microbiology</i> , 2020, 23, 475-479.	2.4	24
12	Phylogenetic analysis of intestinal microbiota reveals novel <i>Mycoplasma</i> phylotypes in salmonid species. <i>Microbial Pathogenesis</i> , 2020, 145, 104210.	2.9	9
13	Effect of a novel postbiotic containing lactic acid bacteria on the intestinal microbiota and disease resistance of rainbow trout (<i>Oncorhynchus mykiss</i>). <i>Biotechnology Letters</i> , 2020, 42, 1957-1962.	2.2	20
14	Fate of pharmaceuticals and antibiotic resistance genes in a full-scale on-farm livestock waste treatment plant. <i>Journal of Hazardous Materials</i> , 2019, 378, 120716.	12.4	61
15	Exposure to a Subinhibitory Sulfonamide Concentration Promotes the Spread of Antibiotic Resistance in Marine Blue Mussels (<i>Mytilus edulis</i>). <i>Environmental Science and Technology Letters</i> , 2019, 6, 211-215.	8.7	7
16	Bacteriophages as Environmental Reservoirs of Antibiotic Resistance. <i>Trends in Microbiology</i> , 2019, 27, 570-577.	7.7	113
17	Desiccation events change the microbial response to gradients of wastewater effluent pollution. <i>Water Research</i> , 2019, 151, 371-380.	11.3	39
18	Antibiotic resistance genes in bacteriophages from diverse marine habitats. <i>Science of the Total Environment</i> , 2019, 654, 452-455.	8.0	39

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19	Antibiotic resistance along an urban river impacted by treated wastewaters. <i>Science of the Total Environment</i> , 2018, 628-629, 453-466.	8.0	91
20	Abundance of antibiotic resistance genes and bacterial community composition in wild freshwater fish species. <i>Chemosphere</i> , 2018, 196, 115-119.	8.2	59
21	Metagenomic exploration reveals a marked change in the river resistome and mobilome after treated wastewater discharges. <i>Environmental Pollution</i> , 2018, 234, 538-542.	7.5	44
22	Emerging contaminants and nutrients synergistically affect the spread of class 1 integron-integrase (intI1) and sul1 genes within stable streambed bacterial communities. <i>Water Research</i> , 2018, 138, 77-85.	11.3	82
23	Biological Approaches for Disease Control in Aquaculture: Advantages, Limitations and Challenges. <i>Trends in Microbiology</i> , 2018, 26, 896-903.	7.7	163
24	Occurrence and persistence of carbapenemase genes in hospital and wastewater treatment plants and propagation in the receiving river. <i>Journal of Hazardous Materials</i> , 2018, 358, 33-43.	12.4	68
25	Real-time PCR assays for the detection and quantification of carbapenemase genes (bla KPC, bla NDM,) Tj ETQq1 1 0.784314 rgBT /Oyer 6710-6714.	5.3	43
26	Abundance of carbapenemase genes (blaKPC, blaNDM and blaOXA-48) in wastewater effluents from Tunisian hospitals. <i>Environmental Pollution</i> , 2017, 229, 371-374.	7.5	49
27	Contribution of bacteriophage and plasmid DNA to the mobilization of antibiotic resistance genes in a river receiving treated wastewater discharges. <i>Science of the Total Environment</i> , 2017, 601-602, 206-209.	8.0	97
28	Abundance of antibiotics, antibiotic resistance genes and bacterial community composition in wastewater effluents from different Romanian hospitals. <i>Environmental Pollution</i> , 2017, 225, 304-315.	7.5	197
29	Detection and quantification of the plasmid-mediated mcr-1 gene conferring colistin resistance in wastewater. <i>International Journal of Antimicrobial Agents</i> , 2017, 50, 734-736.	2.5	32
30	Wastewater pollution differently affects the antibiotic resistance gene pool and biofilm bacterial communities across streambed compartments. <i>Molecular Ecology</i> , 2017, 26, 5567-5581.	3.9	47
31	Exploring the contribution of bacteriophages to antibiotic resistance. <i>Environmental Pollution</i> , 2017, 220, 981-984.	7.5	107
32	Effects of subinhibitory ciprofloxacin concentrations on the abundance of qnrS and composition of bacterial communities from water supply reservoirs. <i>Chemosphere</i> , 2016, 161, 470-474.	8.2	12
33	Abundance of antibiotic resistance genes in five municipal wastewater treatment plants in the Monastir Governorate, Tunisia. <i>Environmental Pollution</i> , 2016, 219, 353-358.	7.5	107
34	Metagenomic analysis reveals that bacteriophages are reservoirs of antibiotic resistance genes. <i>International Journal of Antimicrobial Agents</i> , 2016, 48, 163-167.	2.5	121
35	Isolation and characterization of bacteria with antibacterial properties from Nile tilapia (<i>Oreochromis niloticus</i>). <i>Research in Veterinary Science</i> , 2016, 105, 62-64.	1.9	22
36	Occurrence and persistence of antibiotic resistance genes in river biofilms after wastewater inputs in small rivers. <i>Environmental Pollution</i> , 2016, 210, 121-128.	7.5	142

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37	<i>Aeromonas rivipollensis</i> sp. nov., a novel species isolated from aquatic samples. <i>Journal of Basic Microbiology</i> , 2015, 55, 1435-1439.	3.3	28
38	Bacterial community structure in the intestinal ecosystem of rainbow trout (<i>Oncorhynchus mykiss</i>) as revealed by pyrosequencing-based analysis of 16S rRNA genes. <i>Research in Veterinary Science</i> , 2015, 100, 8-11.	1.9	62
39	Effect of Ciliates in Transfer of Plasmid-Mediated Quinolone-Resistance Genes in Bacteria. <i>Emerging Infectious Diseases</i> , 2015, 21, 547-549.	4.3	4
40	Occurrence of antibiotics and antibiotic resistance genes in hospital and urban wastewaters and their impact on the receiving river. <i>Water Research</i> , 2015, 69, 234-242.	11.3	1,187
41	Bacteriophages as Vehicles for Antibiotic Resistance Genes in the Environment. <i>PLoS Pathogens</i> , 2014, 10, e1004219.	4.7	172
42	Administration of <i>Bacillus subtilis</i> strains in the rearing water enhances the water quality, growth performance, immune response, and resistance against <i>Vibrio harveyi</i> infection in juvenile white shrimp, <i>Litopenaeus vannamei</i> . <i>Fish and Shellfish Immunology</i> , 2014, 36, 68-74.	3.6	155
43	<i>Mycobacterium hippocampi</i> sp. nov., a Rapidly Growing Scotochromogenic Species Isolated from a Seahorse with Tail Rot. <i>Current Microbiology</i> , 2014, 69, 329-333.	2.2	23
44	The role of aquatic ecosystems as reservoirs of antibiotic resistance. <i>Trends in Microbiology</i> , 2014, 22, 36-41.	7.7	528
45	Prevalence of antibiotic-resistant fecal bacteria in a river impacted by both an antibiotic production plant and urban treated discharges. <i>Science of the Total Environment</i> , 2014, 488-489, 220-227.	8.0	58
46	Detection and identification of antibiotic biosynthesis genes in <i>Bacillus subtilis</i> strains. <i>Biocontrol Science and Technology</i> , 2014, 24, 233-240.	1.3	4
47	Characterization of ciprofloxacin-resistant isolates from a wastewater treatment plant and its receiving river. <i>Water Research</i> , 2014, 61, 67-76.	11.3	85
48	Use of pyrosequencing to explore the benthic bacterial community structure in a river impacted by wastewater treatment plant discharges. <i>Research in Microbiology</i> , 2014, 165, 468-471.	2.1	30
49	Exploring the links between antibiotic occurrence, antibiotic resistance, and bacterial communities in water supply reservoirs. <i>Science of the Total Environment</i> , 2013, 456-457, 161-170.	8.0	288
50	Real-Time PCR Assays for Quantification of <i>qnr</i> Genes in Environmental Water Samples and Chicken Feces. <i>Applied and Environmental Microbiology</i> , 2013, 79, 1743-1745.	3.1	75
51	Antibiotic Resistance in the Aquatic Environment. <i>Comprehensive Analytical Chemistry</i> , 2013, 62, 671-684.	1.3	6
52	Prevalence of Antibiotic Resistance Genes and Bacterial Community Composition in a River Influenced by a Wastewater Treatment Plant. <i>PLoS ONE</i> , 2013, 8, e78906.	2.5	328
53	Effects of <i>Bacillus subtilis</i> on the growth performance, digestive enzymes, immune gene expression and disease resistance of white shrimp, <i>Litopenaeus vannamei</i> . <i>Fish and Shellfish Immunology</i> , 2012, 33, 683-689.	3.6	331
54	Selection and identification of non-pathogenic bacteria isolated from fermented pickles with antagonistic properties against two shrimp pathogens. <i>Journal of Antibiotics</i> , 2012, 65, 289-294.	2.0	38

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55	<i>Vibrio inhibens</i> sp. nov., a novel bacterium with inhibitory activity against <i>Vibrio</i> species. <i>Journal of Antibiotics</i> , 2012, 65, 301-305.	2.0	11
56	Accumulation and depletion kinetics of erythromycin in rainbow trout (<i>Oncorhynchus mykiss</i>). <i>Preventive Veterinary Medicine</i> , 2012, 105, 160-163.	1.9	10
57	Expression of immune-related genes in rainbow trout (<i>Oncorhynchus mykiss</i>) induced by probiotic bacteria during <i>Lactococcus garvieae</i> infection. <i>Fish and Shellfish Immunology</i> , 2011, 31, 196-201.	3.6	193
58	Novel <i>Mycobacterium</i> Species in Seahorses with Tail Rot. <i>Emerging Infectious Diseases</i> , 2011, 17, 1770-1772.	4.3	11
59	<i>Vibrio hippocampi</i> sp. nov., a new species isolated from wild seahorses (<i>Hippocampus guttulatus</i>). <i>FEMS Microbiology Letters</i> , 2010, 307, 30-34.	1.8	16
60	<i>Bacillus galliciensis</i> sp. nov., isolated from faeces of wild seahorses (<i>Hippocampus guttulatus</i>). <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2010, 60, 892-895.	1.7	31
61	Quantitative analysis of bacterial adhesion to fish tissue. <i>Colloids and Surfaces B: Biointerfaces</i> , 2009, 71, 331-333.	5.0	11
62	Effect of <i>Lactococcus lactis</i> ; CLFP 100 and <i>Leuconostoc mesenteroides</i> ; CLFP 196 on <i>Aeromonas salmonicida</i> Infection in Brown Trout (<i>Salmo trutta</i>). <i>Journal of Molecular Microbiology and Biotechnology</i> , 2009, 17, 153-157.	1.0	50
63	A review on the interactions between gut microbiota and innate immunity of fish: Table 1. <i>FEMS Immunology and Medical Microbiology</i> , 2008, 52, 145-154.	2.7	587
64	Protection of rainbow trout (<i>Oncorhynchus mykiss</i>) from lactococcosis by probiotic bacteria. <i>Comparative Immunology, Microbiology and Infectious Diseases</i> , 2008, 31, 337-345.	1.6	127
65	Effect of the addition of four potential probiotic strains on the survival of pacific white shrimp (<i>Litopenaeus vannamei</i>) following immersion challenge with <i>Vibrio parahaemolyticus</i> . <i>Journal of Invertebrate Pathology</i> , 2007, 96, 147-150.	3.2	172
66	Changes in intestinal microbiota and humoral immune response following probiotic administration in brown trout (<i>Salmo trutta</i>). <i>British Journal of Nutrition</i> , 2007, 97, 522-527.	2.3	205
67	Quantitative detection of <i>Aeromonas salmonicida</i> in fish tissue by real-time PCR using self-quenched, fluorogenic primers. <i>Journal of Medical Microbiology</i> , 2007, 56, 323-328.	1.8	47
68	Enhancement of the immune response and protection induced by probiotic lactic acid bacteria against furunculosis in rainbow trout (<i>Oncorhynchus mykiss</i>). <i>FEMS Immunology and Medical Microbiology</i> , 2007, 51, 185-193.	2.7	221
69	Sequencing of variable regions of the 16S rRNA gene for identification of lactic acid bacteria isolated from the intestinal microbiota of healthy salmonids. <i>Comparative Immunology, Microbiology and Infectious Diseases</i> , 2007, 30, 111-118.	1.6	87
70	In vitro competitive adhesion and production of antagonistic compounds by lactic acid bacteria against fish pathogens. <i>Veterinary Microbiology</i> , 2007, 122, 373-380.	1.9	140
71	Safety and efficacy of an inactivated vaccine against <i>Lactococcus garvieae</i> in rainbow trout (<i>Oncorhynchus mykiss</i>). <i>Preventive Veterinary Medicine</i> , 2007, 80, 222-229.	1.9	20
72	Inhibitory Activity of Probiotic <i>Bacillus subtilis</i> UTM 126 Against <i>Vibrio</i> Species Confers Protection Against Vibriosis in Juvenile Shrimp (<i>Litopenaeus vannamei</i>). <i>Current Microbiology</i> , 2007, 55, 409-412.	2.2	137

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73	Probiotics as control agents in aquaculture. <i>Journal of Ocean University of China</i> , 2007, 6, 76-79.	1.2	38
74	Health and nutritional properties of probiotics in fish and shellfish. <i>Microbial Ecology in Health and Disease</i> , 2006, 18, 65-70.	3.5	65
75	The role of probiotics in aquaculture. <i>Veterinary Microbiology</i> , 2006, 114, 173-186.	1.9	996
76	<i>Lactococcus garvieae</i> in fish: A review. <i>Comparative Immunology, Microbiology and Infectious Diseases</i> , 2006, 29, 177-198.	1.6	321
77	Immune modulation by probiotic strains: Quantification of phagocytosis of <i>Aeromonas salmonicida</i> by leukocytes isolated from gut of rainbow trout (<i>Oncorhynchus mykiss</i>) using a radiolabelling assay. <i>Comparative Immunology, Microbiology and Infectious Diseases</i> , 2006, 29, 335-343.	1.6	60
78	Growth inhibition of <i>Aeromonas</i> species by lactic acid bacteria isolated from salmonids. <i>Microbial Ecology in Health and Disease</i> , 2006, 18, 61-63.	3.5	12