

Andrea Di Cesare

List of Publications by Year in descending order

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Version: 2024-02-01

58
papers

2,669
citations

172207

29
h-index

189595

50
g-index

59
all docs

59
docs citations

59
times ranked

3323
citing authors

#	ARTICLE	IF	CITATIONS
1	Co-occurrence of integrase 1, antibiotic and heavy metal resistance genes in municipal wastewater treatment plants. <i>Water Research</i> , 2016, 94, 208-214.	5.3	397
2	Microplastics increase impact of treated wastewater on freshwater microbial community. <i>Environmental Pollution</i> , 2018, 234, 495-502.	3.7	195
3	Aquaculture Can Promote the Presence and Spread of Antibiotic-Resistant Enterococci in Marine Sediments. <i>PLoS ONE</i> , 2013, 8, e62838.	1.1	126
4	Fitness and Recovery of Bacterial Communities and Antibiotic Resistance Genes in Urban Wastewaters Exposed to Classical Disinfection Treatments. <i>Environmental Science & Technology</i> , 2016, 50, 10153-10161.	4.6	110
5	Constitutive presence of antibiotic resistance genes within the bacterial community of a large subalpine lake. <i>Molecular Ecology</i> , 2015, 24, 3888-3900.	2.0	108
6	Rainfall increases the abundance of antibiotic resistance genes within a riverine microbial community. <i>Environmental Pollution</i> , 2017, 226, 473-478.	3.7	103
7	Co-selection of antibiotic and heavy metal resistance in freshwater bacteria. <i>Journal of Limnology</i> , 2016, 75, .	0.3	98
8	Effluents of wastewater treatment plants promote the rapid stabilization of the antibiotic resistome in receiving freshwater bodies. <i>Water Research</i> , 2019, 158, 72-81.	5.3	82
9	Assessing the Influence of Vegan, Vegetarian and Omnivore Oriented Westernized Dietary Styles on Human Gut Microbiota: A Cross Sectional Study. <i>Frontiers in Microbiology</i> , 2018, 9, 317.	1.5	78
10	Antibiotic-Resistant Enterococci in Seawater and Sediments from a Coastal Fish Farm. <i>Microbial Drug Resistance</i> , 2012, 18, 502-509.	0.9	69
11	The role of metal contamination in shaping microbial communities in heavily polluted marine sediments. <i>Environmental Pollution</i> , 2020, 265, 114823.	3.7	65
12	Are microplastic particles a hotspot for the spread and the persistence of antibiotic resistance in aquatic systems?. <i>Environmental Pollution</i> , 2021, 279, 116896.	3.7	60
13	Insights Into the Evolution of Picocyanobacteria and Phycoerythrin Genes (mpeBA and cpeBA). <i>Frontiers in Microbiology</i> , 2019, 10, 45.	1.5	56
14	A global multinational survey of cefotaxime-resistant coliforms in urban wastewater treatment plants. <i>Environment International</i> , 2020, 144, 106035.	4.8	55
15	Persistence of antibiotic resistance genes in large subalpine lakes: the role of anthropogenic pollution and ecological interactions. <i>Hydrobiologia</i> , 2018, 824, 93-108.	1.0	52
16	Dynamics of the Pacific oyster pathobiota during mortality episodes in Europe assessed by 16S rRNA gene profiling and a new target enrichment next-generation sequencing strategy. <i>Environmental Microbiology</i> , 2019, 21, 4548-4562.	1.8	49
17	Resistance to Biocides in <i>Listeria monocytogenes</i> Collected in Meat-Processing Environments. <i>Frontiers in Microbiology</i> , 2016, 7, 1627.	1.5	48
18	Impact of industrial wastewater on the dynamics of antibiotic resistance genes in a full-scale urban wastewater treatment plant. <i>Science of the Total Environment</i> , 2019, 646, 1204-1210.	3.9	47

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19	Disinfection of urban wastewater by a new photo-Fenton like process using Cu-iminodisuccinic acid complex as catalyst at neutral pH. <i>Water Research</i> , 2018, 146, 206-215.	5.3	46
20	Diverse distribution of Toxin-Antitoxin II systems in <i>Salmonella enterica</i> serovars. <i>Scientific Reports</i> , 2016, 6, 28759.	1.6	44
21	<i>Daphnia</i> as a refuge for an antibiotic resistance gene in an experimental freshwater community. <i>Science of the Total Environment</i> , 2016, 571, 77-81.	3.9	43
22	Antibiotic and heavy metal resistance in enterococci from coastal marine sediment. <i>Environmental Pollution</i> , 2018, 237, 406-413.	3.7	43
23	Genome analysis of the freshwater planktonic <i>Vulcanococcus limneticus</i> sp. nov. reveals horizontal transfer of nitrogenase operon and alternative pathways of nitrogen utilization. <i>BMC Genomics</i> , 2018, 19, 259.	1.2	41
24	Antibiotic disturbance affects aquatic microbial community composition and food web interactions but not community resilience. <i>Molecular Ecology</i> , 2019, 28, 1170-1182.	2.0	39
25	The mesopelagic anoxic Black Sea as an unexpected habitat for <i>Synechococcus</i> challenges our understanding of global "deep red fluorescence". <i>ISME Journal</i> , 2019, 13, 1676-1687.	4.4	39
26	Defence strategies and antibiotic resistance gene abundance in enterococci under stress by exposure to low doses of peracetic acid. <i>Chemosphere</i> , 2017, 185, 480-488.	4.2	34
27	Combination of flow cytometry and molecular analysis to monitor the effect of UVC/H ₂ O ₂ vs UVC/H ₂ O ₂ /Cu-IDS processes on pathogens and antibiotic resistant genes in secondary wastewater effluents. <i>Water Research</i> , 2020, 184, 116194.	5.3	34
28	The marine environment as a reservoir of enterococci carrying resistance and virulence genes strongly associated with clinical strains. <i>Environmental Microbiology Reports</i> , 2014, 6, 184-190.	1.0	33
29	High-quality treated wastewater causes remarkable changes in natural microbial communities and <i>int1</i> gene abundance. <i>Water Research</i> , 2019, 167, 114895.	5.3	33
30	Role of Daptomycin in the Induction and Persistence of the Viable but Non-Culturable State of <i>Staphylococcus Aureus</i> Biofilms. <i>Pathogens</i> , 2014, 3, 759-768.	1.2	30
31	Adhesion of marine cryptic <i>Escherichia</i> isolates to human intestinal epithelial cells. <i>ISME Journal</i> , 2015, 9, 508-515.	4.4	28
32	pHT ² -promoted mobilization of non-conjugative resistance plasmids from <i>Enterococcus faecium</i> to <i>Enterococcus faecalis</i> . <i>Journal of Antimicrobial Chemotherapy</i> , 2017, 72, 2447-2453.	1.3	27
33	Erythromycin- and copper-resistant <i>Enterococcus hirae</i> from marine sediment and co-transfer of <i>erm(B)</i> and <i>tcrB</i> to human <i>Enterococcus faecalis</i> . <i>Diagnostic Microbiology and Infectious Disease</i> , 2014, 80, 26-28.	0.8	25
34	Effect of starvation on survival and virulence expression of <i>Aeromonas hydrophila</i> from different sources. <i>Archives of Microbiology</i> , 2015, 197, 431-438.	1.0	25
35	Impact of disinfection processes on bacterial community in urban wastewater: Should we rethink microbial assessment methods?. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 104393.	3.3	24
36	Detection of viable but non-culturable <i>Pseudomonas aeruginosa</i> in cystic fibrosis by qPCR: a validation study. <i>BMC Infectious Diseases</i> , 2018, 18, 701.	1.3	20

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37	Bioplastic accumulates antibiotic and metal resistance genes in coastal marine sediments. <i>Environmental Pollution</i> , 2021, 291, 118161.	3.7	20
38	Spatial distribution of antibiotic and heavy metal resistance genes in the Black Sea. <i>Marine Pollution Bulletin</i> , 2020, 160, 111635.	2.3	19
39	Elimination from wastewater of antibiotics reserved for hospital settings, with a Fenton process based on zero-valent iron. <i>Chemosphere</i> , 2021, 283, 131170.	4.2	19
40	Assessing antimicrobial resistance gene load in vegan, vegetarian and omnivore human gut microbiota. <i>International Journal of Antimicrobial Agents</i> , 2018, 52, 702-705.	1.1	18
41	Every fifth published metagenome is not available to science. <i>PLoS Biology</i> , 2020, 18, e3000698.	2.6	18
42	ChAMBRé: a new atmospheric simulation chamber for aerosol modelling and bio-aerosol research. <i>Atmospheric Measurement Techniques</i> , 2018, 11, 5885-5900.	1.2	17
43	Evaluation and quantification of antimicrobial residues and antimicrobial resistance genes in two Italian swine farms. <i>Environmental Pollution</i> , 2019, 255, 113183.	3.7	17
44	Different substrates within a lake harbour connected but specialised microbial communities. <i>Hydrobiologia</i> , 2020, 847, 1689-1704.	1.0	17
45	ddPCR applied on archived Continuous Plankton Recorder samples reveals long-term occurrence of class 1 integrons and a sulphonamide resistance gene in marine plankton communities. <i>Environmental Microbiology Reports</i> , 2018, 10, 458-464.	1.0	16
46	Adherence and intracellular survival within human macrophages of <i>Enterococcus faecalis</i> isolates from coastal marine sediment. <i>Microbes and Infection</i> , 2015, 17, 660-664.	1.0	13
47	<i>Enterococcus faecium</i> ST17 from Coastal Marine Sediment Carrying Transferable Multidrug Resistance Plasmids. <i>Microbial Drug Resistance</i> , 2016, 22, 523-530.	0.9	12
48	Antibiotic Resistance Genes and Potentially Pathogenic Bacteria in the Central Adriatic Sea: Are They Connected to Urban Wastewater Inputs?. <i>Water (Switzerland)</i> , 2021, 13, 3335.	1.2	12
49	An Environmental <i>Escherichia coli</i> Strain Is Naturally Competent to Acquire Exogenous DNA. <i>Frontiers in Microbiology</i> , 2020, 11, 574301.	1.5	11
50	The microbiome associated with two <i>Synechococcus</i> ribotypes at different levels of ecological interaction. <i>Journal of Phycology</i> , 2017, 53, 1151-1158.	1.0	10
51	Seasonality of the antibiotic resistance gene blaCTX-M in temperate Lake Maggiore. <i>Hydrobiologia</i> , 2019, 843, 143-153.	1.0	10
52	Role of Biofilm in Protection of the Replicative Form of <i>Legionella pneumophila</i> . <i>Current Microbiology</i> , 2014, 69, 769-774.	1.0	8
53	The vertical distribution of tetA and int11 in a deep lake is rather due to sedimentation than to resuspension. <i>FEMS Microbiology Ecology</i> , 2020, 96, .	1.3	8
54	Contribution of plasmidome, metal resistome and integrases to the persistence of the antibiotic resistome in aquatic environments. <i>Environmental Pollution</i> , 2022, 297, 118774.	3.7	6

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55	Tossed "good luck"™ coins as vectors for anthropogenic pollution into aquatic environment. <i>Environmental Pollution</i> , 2020, 259, 113800.	3.7	4
56	Frenemies: Interactions between Rhizospheric Bacteria and Fungi from Metalliferous Soils. <i>Life</i> , 2021, 11, 273.	1.1	3
57	Zooplankton as a Transitional Host for <i>Escherichia coli</i> in Freshwater. <i>Applied and Environmental Microbiology</i> , 2022, 88, e0252221.	1.4	2
58	Calves as Main Reservoir of Antibiotic Resistance Genes in Dairy Farms. <i>Frontiers in Public Health</i> , 0, 10, .	1.3	2