Gianluca Corno

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/5948209/publications.pdf

Version: 2024-02-01

73 papers	3,010 citations	147566 31 h-index	174990 52 g-index
76 all docs	76 docs citations	76 times ranked	3508 citing authors

#	Article	IF	Citations
1	Co-occurrence of integrase 1, antibiotic and heavy metal resistance genes in municipal wastewater treatment plants. Water Research, 2016, 94, 208-214.	5.3	397
2	Microplastics increase impact of treated wastewater on freshwater microbial community. Environmental Pollution, 2018, 234, 495-502.	3.7	195
3	Direct and Indirect Effects of Protist Predation on Population Size Structure of a Bacterial Strain with High Phenotypic Plasticity. Applied and Environmental Microbiology, 2006, 72, 78-86.	1.4	147
4	Fitness and Recovery of Bacterial Communities and Antibiotic Resistance Genes in Urban Wastewaters Exposed to Classical Disinfection Treatments. Environmental Science & Technology, 2016, 50, 10153-10161.	4.6	110
5	Constitutive presence of antibiotic resistance genes within the bacterial community of a large subalpine lake. Molecular Ecology, 2015, 24, 3888-3900.	2.0	108
6	Rainfall increases the abundance of antibiotic resistance genes within a riverine microbial community. Environmental Pollution, 2017, 226, 473-478.	3.7	103
7	Co-selection of antibiotic and heavy metal resistance in freshwater bacteria. Journal of Limnology, 2016, 75, .	0.3	98
8	Effluents of wastewater treatment plants promote the rapid stabilization of the antibiotic resistome in receiving freshwater bodies. Water Research, 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. Frontiers in Microbiology, 2018, 9, 317.	1.5	78
10	Contribution of microplastic particles to the spread of resistances and pathogenic bacteria in treated wastewaters. Water Research, 2021, 201, 117368.	5.3	67
11	Phylogenetic diversity of nonmarine picocyanobacteria. FEMS Microbiology Ecology, 2013, 85, 293-301.	1.3	66
12	The role of metal contamination in shaping microbial communities in heavily polluted marine sediments. Environmental Pollution, 2020, 265, 114823.	3.7	65
13	Structural and functional patterns of bacterial communities in response to protist predation along an experimental productivity gradient. Environmental Microbiology, 2008, 10, 2857-2871.	1.8	63
14	Are microplastic particles a hotspot for the spread and the persistence of antibiotic resistance in aquatic systems?. Environmental Pollution, 2021, 279, 116896.	3.7	60
15	Antibiotics promote aggregation within aquatic bacterial communities. Frontiers in Microbiology, 2014, 5, 297.	1.5	59
16	A global multinational survey of cefotaxime-resistant coliforms in urban wastewater treatment plants. Environment International, 2020, 144, 106035.	4.8	55
17	Persistence of antibiotic resistance genes in large subalpine lakes: the role of anthropogenic pollution and ecological interactions. Hydrobiologia, 2018, 824, 93-108.	1.0	52
18	Coaggregation in a microbial predatorâ€“prey system affects competition and trophic transfer efficiency. Ecology, 2013, 94, 870-881.	1.5	50

#	Article	IF	Citations
19	Resistance to Biocides in Listeria monocytogenes Collected in Meat-Processing Environments. Frontiers in Microbiology, 2016, 7, 1627.	1.5	48
20	Impact of industrial wastewater on the dynamics of antibiotic resistance genes in a full-scale urban wastewater treatment plant. Science of the Total Environment, 2019, 646, 1204-1210.	3.9	47
21	Disinfection of urban wastewater by a new photo-Fenton like process using Cu-iminodisuccinic acid complex as catalyst at neutral pH. Water Research, 2018, 146, 206-215.	5.3	46
22	Diverse distribution of Toxin-Antitoxin II systems in Salmonella enterica serovars. Scientific Reports, 2016, 6, 28759.	1.6	44
23	Daphnia as a refuge for an antibiotic resistance gene in an experimental freshwater community. Science of the Total Environment, 2016, 571, 77-81.	3.9	43
24	A microbial perspective on biological invasions in aquatic ecosystems. Hydrobiologia, 2015, 746, 13-22.	1.0	40
25	Antibiotic disturbance affects aquatic microbial community composition and food web interactions but not community resilience. Molecular Ecology, 2019, 28, 1170-1182.	2.0	39
26	The mesopelagic anoxic Black Sea as an unexpected habitat for Synechococcus challenges our understanding of global â€œdeep red fluorescenceâ€• ISME Journal, 2019, 13, 1676-1687.	4.4	39
27	Effects of nutrient availability and Ochromonas sp. predation on size and composition of a simplified aquatic bacterial community. FEMS Microbiology Ecology, 2006, 58, 354-363.	1.3	36
28	Bacteria , Archaea , and Crenarchaeota in the Epilimnion and Hypolimnion of a Deep Holo-Oligomictic Lake. Applied and Environmental Microbiology, 2009, 75, 7298-7300.	1.4	35
29	Grazing-inducedSynechococcusmicrocolony formation: experimental insights from two freshwater phylotypes. FEMS Microbiology Ecology, 2016, 92, fiw154.	1.3	34
30	Defence strategies and antibiotic resistance gene abundance in enterococci under stress by exposure to low doses of peracetic acid. Chemosphere, 2017, 185, 480-488.	4.2	34
31	Combination of flow cytometry and molecular analysis to monitor the effect of UVC/H2O2 vs UVC/H2O2/Cu-IDS processes on pathogens and antibiotic resistant genes in secondary wastewater effluents. Water Research, 2020, 184, 116194.	5.3	34
32	Long-term trends of epilimnetic and hypolimnetic bacteria and organic carbon in a deep holo-oligomictic lake. Hydrobiologia, 2010, 644, 279-287.	1.0	33
33	High-quality treated wastewater causes remarkable changes in natural microbial communities and intI1 gene abundance. Water Research, 2019, 167, 114895.	5.3	33
34	Ecology and Distribution of Thaumarchaea in the Deep Hypolimnion of Lake Maggiore. Archaea, 2015, 2015, 1-11.	2.3	32
35	Effects of predation pressure on bacterial abundance, diversity, and size-structure distribution in an oligotrophic system. Journal of Limnology, 2008, 67, 107.	0.3	30
36	Bacterial diversity and morphology in deep ultraoligotrophic Andean lakes: The role of UVR on vertical distribution. Limnology and Oceanography, 2009, 54, 1098-1112.	1.6	27

#	Article	IF	Citations
37	Picocyanobacterial community structure and space-time dynamics in the subalpine Lake Maggiore (N.) Tj ETQq1 1 0.784314 rgBT /Over	0.3	26
38	Tracing particulate matter and associated microorganisms in freshwaters. Hydrobiologia, 2017, 800, 145-154.	1.0	26
39	Erect macroalgae influence epilithic bacterial assemblages and reduce coral recruitment. Marine Ecology - Progress Series, 2018, 597, 65-77.	0.9	25
40	Picocyanobacterial assemblages in ultraoligotrophic Andean lakes reveal high regional microdiversity. Journal of Plankton Research, 2010, 32, 357-366.	0.8	24
41	Impact of disinfection processes on bacterial community in urban wastewater: Should we rethink microbial assessment methods?. Journal of Environmental Chemical Engineering, 2020, 8, 104393.	3.3	24
42	Every Coin Has a Back Side: Invasion by Limnohabitans planktonicus Promotes the Maintenance of Species Diversity in Bacterial Communities. PLoS ONE, 2012, 7, e51576.	1.1	23
43	Interspecific interactions drive chitin and cellulose degradation by aquatic microorganisms. Aquatic Microbial Ecology, 2015, 76, 27-37.	0.9	23
44	Bioplastic accumulates antibiotic and metal resistance genes in coastal marine sediments. Environmental Pollution, 2021, 291, 118161.	3.7	20
45	Photosynthetic characteristics and diversity of freshwater Synechococcus at two depths during different mixing conditions in a deep oligotrophic lake. Journal of Limnology, 2007, 66, 81.	0.3	19
46	Spatial distribution of antibiotic and heavy metal resistance genes in the Black Sea. Marine Pollution Bulletin, 2020, 160, 111635.	2.3	19
47	Elimination from wastewater of antibiotics reserved for hospital settings, with a Fenton process based on zero-valent iron. Chemosphere, 2021, 283, 131170.	4.2	19
48	Assessing antimicrobial resistance gene load in vegan, vegetarian and omnivore human gut microbiota. International Journal of Antimicrobial Agents, 2018, 52, 702-705.	1.1	18
49	Every fifth published metagenome is not available to science. PLoS Biology, 2020, 18, e3000698.	2.6	18
50	PET particles raise microbiological concerns for human health while tyre wear microplastic particles potentially affect ecosystem services in waters. Journal of Hazardous Materials, 2022, 429, 128397.	6.5	18
51	Evaluation and quantification of antimicrobial residues and antimicrobial resistance genes in two Italian swine farms. Environmental Pollution, 2019, 255, 113183.	3.7	17
52	Different substrates within a lake harbour connected but specialised microbial communities. Hydrobiologia, 2020, 847, 1689-1704.	1.0	17
53	Ultraviolet Radiation Induces Filamentation in Bacterial Assemblages from North Andean Patagonian Lakes. Photochemistry and Photobiology, 2010, 86, 871-881.	1.3	16
54	Mechanisms regulating CO2 and CH4 dynamics in the Azorean volcanic lakes (SÃ£o Miguel Island,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.3	13

#	Article	IF	Citations
55	Genomic Comparison and Spatial Distribution of Different Synechococcus Phylotypes in the Black Sea. Frontiers in Microbiology, 2020, 11, 1979.	1.5	13
56	Bacterial grazing by mixotrophic flagellates and Daphnia longispina: a comparison in a fishless alpine lake. Aquatic Microbial Ecology, 2006, 42, 127-137.	0.9	13
57	The microbiome associated with two Synechococcus ribotypes at different levels of ecological interaction. Journal of Phycology, 2017, 53, 1151-1158.	1.0	10
58	Seasonality of the antibiotic resistance gene blaCTX-M in temperate Lake Maggiore. Hydrobiologia, 2019, 843, 143-153.	1.0	10
59	Microplastic retention in small and medium municipal wastewater treatment plants and the role of the disinfection. Environmental Science and Pollution Research, 2022, 29, 10535-10546.	2.7	9
60	Dynamics of bacteria and mixotrophic flagellates in an Alpine lake in relation to Daphnia population development. Journal of Limnology, 2002, 61, 177.	0.3	8
61	The vertical distribution of tetA and intI1 in a deep lake is rather due to sedimentation than to resuspension. FEMS Microbiology Ecology, 2020, 96, .	1.3	8
62	Transparent exopolymer particles (TEP) are driven by chlorophyll a and mainly confined to the euphotic zone in a deep subalpine lake. Inland Waters, 2017, 7, 118-127.	1.1	7
63	Tetracycline modifies competitive interactions in experimental microcosms containing bacteria isolated from freshwater. FEMS Microbiology Ecology, 2014, 90, 168-174.	1.3	6
64	Contribution of plasmidome, metal resistome and integrases to the persistence of the antibiotic resistome in aquatic environments. Environmental Pollution, 2022, 297, 118774.	3.7	6
65	The mixotrophic flagellates as key organisms from DOC to Daphnia in an oligotrophic alpine lake. Verhandlungen Der Internationalen Vereinigung Fur Theoretische Und Angewandte Limnologie International Association of Theoretical and Applied Limnology, 2002, 28, 392-395.	0.1	5
66	Tossed â€˜good luckâ€™ coins as vectors for anthropogenic pollution into aquatic environment. Environmental Pollution, 2020, 259, 113800.	3.7	4
67	The ZVI-Fenton process affects the total load of human pathogenic bacteria in wastewater samples. Journal of Water Process Engineering, 2022, 47, 102668.	2.6	4
68	Are grazer-induced adaptations of bacterial abundance and morphology timedependent?. Journal of Limnology, 2006, 65, 35.	0.3	3
69	Deconvolution models for a better understanding of natural microbial communities enumerated by flowâ€cytometry. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2018, 93, 180-181.	1.1	3
70	Zooplankton as a Transitional Host for Escherichia coli in Freshwater. Applied and Environmental Microbiology, 2022, 88, e0252221.	1.4	2
71	Knowledge Gaps and Research Needs in Bacterial Co-Resistance in theÂEnvironment. , 2019, , 39-59.		1
72	Lanzarote and Chinijo Islands: An Anchialine UNESCO Global Geopark. Volcanic Tourist Destinations, 2019, , 109-121.	0.2	1

#	Article	IF	Citations
73	Metagenome Analysis Reveals a Response of the Antibiotic Resistome to Mars-like Extraterrestrial Conditions. Astrobiology, 0, , .	1.5	1