

Gianluca Corno

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

72
papers

1,866
citations

23
h-index

41
g-index

75
ext. papers

2,511
ext. citations

5.9
avg, IF

5.17
L-index

#	Paper	IF	Citations
72	Co-occurrence of integrase 1, antibiotic and heavy metal resistance genes in municipal wastewater treatment plants. <i>Water Research</i> , 2016 , 94, 208-214	12.5	270
71	Microplastics increase impact of treated wastewater on freshwater microbial community. <i>Environmental Pollution</i> , 2018 , 234, 495-502	9.3	132
70	Direct and indirect effects of protist predation on population size structure of a bacterial strain with high phenotypic plasticity. <i>Applied and Environmental Microbiology</i> , 2006 , 72, 78-86	4.8	110
69	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, 10153-61	10.3	90
68	Rainfall increases the abundance of antibiotic resistance genes within a riverine microbial community. <i>Environmental Pollution</i> , 2017 , 226, 473-478	9.3	63
67	Constitutive presence of antibiotic resistance genes within the bacterial community of a large subalpine lake. <i>Molecular Ecology</i> , 2015 , 24, 3888-900	5.7	63
66	Co-selection of antibiotic and heavy metal resistance in freshwater bacteria. <i>Journal of Limnology</i> , 2016 , 75,	1.5	55
65	Structural and functional patterns of bacterial communities in response to protist predation along an experimental productivity gradient. <i>Environmental Microbiology</i> , 2008 , 10, 2857-71	5.2	53
64	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	5.7	52
63	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	12.5	50
62	Phylogenetic diversity of nonmarine picocyanobacteria. <i>FEMS Microbiology Ecology</i> , 2013 , 85, 293-301	4.3	44
61	Antibiotics promote aggregation within aquatic bacterial communities. <i>Frontiers in Microbiology</i> , 2014 , 5, 297	5.7	41
60	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	12.5	35
59	Coaggregation in a microbial predator-prey system affects competition and trophic transfer efficiency. <i>Ecology</i> , 2013 , 94, 870-881	4.6	35
58	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	10.2	32
57	The role of metal contamination in shaping microbial communities in heavily polluted marine sediments. <i>Environmental Pollution</i> , 2020 , 265, 114823	9.3	31
56	Resistance to Biocides in Collected in Meat-Processing Environments. <i>Frontiers in Microbiology</i> , 2016 , 7, 1627	5.7	30

55	A microbial perspective on biological invasions in aquatic ecosystems. <i>Hydrobiologia</i> , 2015 , 746, 13-22	2.4	29
54	Bacteria, archaea, and crenarchaeota in the epilimnion and hypolimnion of a deep holo-oligomictic lake. <i>Applied and Environmental Microbiology</i> , 2009 , 75, 7298-300	4.8	29
53	Persistence of antibiotic resistance genes in large subalpine lakes: the role of anthropogenic pollution and ecological interactions. <i>Hydrobiologia</i> , 2018 , 824, 93-108	2.4	28
52	Daphnia as a refuge for an antibiotic resistance gene in an experimental freshwater community. <i>Science of the Total Environment</i> , 2016 , 571, 77-81	10.2	28
51	Grazing-induced <i>Synechococcus</i> microcolony formation: experimental insights from two freshwater phylotypes. <i>FEMS Microbiology Ecology</i> , 2016 , 92,	4.3	28
50	Effects of predation pressure on bacterial abundance, diversity, and size-structure distribution in an oligotrophic system. <i>Journal of Limnology</i> , 2008 , 67, 107	1.5	27
49	Antibiotic disturbance affects aquatic microbial community composition and food web interactions but not community resilience. <i>Molecular Ecology</i> , 2019 , 28, 1170-1182	5.7	23
48	High-quality treated wastewater causes remarkable changes in natural microbial communities and <i>int11</i> gene abundance. <i>Water Research</i> , 2019 , 167, 114895	12.5	23
47	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	8.4	23
46	Effects of nutrient availability and <i>Ochromonas</i> sp. predation on size and composition of a simplified aquatic bacterial community. <i>FEMS Microbiology Ecology</i> , 2006 , 58, 354-63	4.3	23
45	Tracing particulate matter and associated microorganisms in freshwaters. <i>Hydrobiologia</i> , 2017 , 800, 145-154	1.4	21
44	Picocyanobacterial community structure and space-time dynamics in the subalpine Lake Maggiore (N. Italy). <i>Journal of Limnology</i> , 2012 , 71, 9	1.5	21
43	Picocyanobacterial assemblages in ultraoligotrophic Andean lakes reveal high regional microdiversity. <i>Journal of Plankton Research</i> , 2010 , 32, 357-366	2.2	21
42	Bacterial diversity and morphology in deep ultraoligotrophic Andean lakes: The role of UVR on vertical distribution. <i>Limnology and Oceanography</i> , 2009 , 54, 1098-1112	4.8	21
41	Long-term trends of epilimnetic and hypolimnetic bacteria and organic carbon in a deep holo-oligomictic lake. <i>Hydrobiologia</i> , 2010 , 644, 279-287	2.4	21
40	Ecology and Distribution of Thaumarchaea in the Deep Hypolimnion of Lake Maggiore. <i>Archaea</i> , 2015 , 2015, 590434	2	20
39	Every coin has a back side: invasion by <i>Limnohabitans planktonicus</i> promotes the maintenance of species diversity in bacterial communities. <i>PLoS ONE</i> , 2012 , 7, e51576	3.7	18
38	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	11.9	17

37	A global multinational survey of cefotaxime-resistant coliforms in urban wastewater treatment plants. <i>Environment International</i> , 2020 , 144, 106035	12.9	17
36	Photosynthetic characteristics and diversity of freshwater <i>Synechococcus</i> at two depths during different mixing conditions in a deep oligotrophic lake. <i>Journal of Limnology</i> , 2007 , 66, 81	1.5	16
35	Combination of flow cytometry and molecular analysis to monitor the effect of UVC/HO vs UVC/HO/Cu-IDS processes on pathogens and antibiotic resistant genes in secondary wastewater effluents. <i>Water Research</i> , 2020 , 184, 116194	12.5	16
34	Are microplastic particles a hotspot for the spread and the persistence of antibiotic resistance in aquatic systems?. <i>Environmental Pollution</i> , 2021 , 279, 116896	9.3	16
33	Diverse distribution of Toxin-Antitoxin II systems in <i>Salmonella enterica</i> serovars. <i>Scientific Reports</i> , 2016 , 6, 28759	4.9	16
32	Contribution of microplastic particles to the spread of resistances and pathogenic bacteria in treated wastewaters. <i>Water Research</i> , 2021 , 201, 117368	12.5	15
31	Ultraviolet radiation induces filamentation in bacterial assemblages from North Andean Patagonian lakes. <i>Photochemistry and Photobiology</i> , 2010 , 86, 871-81	3.6	13
30	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	6.8	13
29	Assessing antimicrobial resistance gene load in vegan, vegetarian and omnivore human gut microbiota. <i>International Journal of Antimicrobial Agents</i> , 2018 , 52, 702-705	14.3	11
28	Bacterial grazing by mixotrophic flagellates and <i>Daphnia longispina</i> : a comparison in a fishless alpine lake. <i>Aquatic Microbial Ecology</i> , 2006 , 42, 127-137	1.1	11
27	The microbiome associated with two <i>Synechococcus</i> ribotypes at different levels of ecological interaction. <i>Journal of Phycology</i> , 2017 , 53, 1151-1158	3	10
26	Interspecific interactions drive chitin and cellulose degradation by aquatic microorganisms. <i>Aquatic Microbial Ecology</i> , 2015 , 76, 27-37	1.1	10
25	Erect macroalgae influence epilithic bacterial assemblages and reduce coral recruitment. <i>Marine Ecology - Progress Series</i> , 2018 , 597, 65-77	2.6	9
24	Spatial distribution of antibiotic and heavy metal resistance genes in the Black Sea. <i>Marine Pollution Bulletin</i> , 2020 , 160, 111635	6.7	9
23	Every fifth published metagenome is not available to science. <i>PLoS Biology</i> , 2020 , 18, e3000698	9.7	9
22	Elimination from wastewater of antibiotics reserved for hospital settings, with a Fenton process based on zero-valent iron. <i>Chemosphere</i> , 2021 , 283, 131170	8.4	8
21	Dynamics of bacteria and mixotrophic flagellates in an Alpine lake in relation to <i>Daphnia</i> population development. <i>Journal of Limnology</i> , 2002 , 61, 177	1.5	7
20	Mechanisms regulating CO ₂ and CH ₄ dynamics in the Azorean volcanic lakes (Sb Miguel Island, Portugal). <i>Journal of Limnology</i> , 2018 , 77,	1.5	7

19	Evaluation and quantification of antimicrobial residues and antimicrobial resistance genes in two Italian swine farms. <i>Environmental Pollution</i> , 2019 , 255, 113183	9.3	6
18	Different substrates within a lake harbour connected but specialised microbial communities. <i>Hydrobiologia</i> , 2020 , 847, 1689-1704	2.4	6
17	Genomic Comparison and Spatial Distribution of Different Phylotypes in the Black Sea. <i>Frontiers in Microbiology</i> , 2020 , 11, 1979	5.7	5
16	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,	4.3	4
15	Transparent exopolymer particles (TEP) are driven by chlorophyll a and mainly confined to the euphotic zone in a deep subalpine lake. <i>Inland Waters</i> , 2017 , 7, 118-127	2.4	3
14	Seasonality of the antibiotic resistance gene blaCTX-M in temperate Lake Maggiore. <i>Hydrobiologia</i> , 2019 , 843, 143-153	2.4	3
13	Tetracycline modifies competitive interactions in experimental microcosms containing bacteria isolated from freshwater. <i>FEMS Microbiology Ecology</i> , 2014 , 90, 168-74	4.3	3
12	Are grazer-induced adaptations of bacterial abundance and morphology timedependent?. <i>Journal of Limnology</i> , 2006 , 65, 35	1.5	3
11	Microplastic retention in small and medium municipal wastewater treatment plants and the role of the disinfection. <i>Environmental Science and Pollution Research</i> , 2021 , 1	5.1	3
10	Deconvolution models for a better understanding of natural microbial communities enumerated by flow-cytometry. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2018 , 93, 180-181	4.6	2
9	Tossed Good luckCoins as vectors for anthropogenic pollution into aquatic environment. <i>Environmental Pollution</i> , 2020 , 259, 113800	9.3	2
8	PET particles raise microbiological concerns for human health while tyre wear microplastic particles potentially affect ecosystem services in waters.. <i>Journal of Hazardous Materials</i> , 2022 , 429, 128397	12.8	1
7	Knowledge Gaps and Research Needs in Bacterial Co-Resistance in theEnvironment 2019 , 39-59		1
6	Lanzarote and Chinijo Islands: An Anchialine UNESCO Global Geopark. <i>Volcanic Tourist Destinations</i> , 2019 , 109-121	0.1	1
5	Bioplastic accumulates antibiotic and metal resistance genes in coastal marine sediments. <i>Environmental Pollution</i> , 2021 , 291, 118161	9.3	1
4	The ZVI-Fenton process affects the total load of human pathogenic bacteria in wastewater samples. <i>Journal of Water Process Engineering</i> , 2022 , 47, 102668	6.7	1
3	Zooplankton as a Transitional Host for in Freshwater.. <i>Applied and Environmental Microbiology</i> , 2022 , e0252221	4.8	1
2	Contribution of plasmidome, metal resistome and integrases to the persistence of the antibiotic resistome in aquatic environments.. <i>Environmental Pollution</i> , 2021 , 118774	9.3	0

- 1 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