Gianluca Corno

List of Publications by Year in Descending Order

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	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	12.8	1
71	The ZVI-Fenton process affects the total load of human pathogenic bacteria in wastewater samples. *Journal of Water Process Engineering*, **2022**, 47, 102668	6.7	1
70	Zooplankton as a Transitional Host for in Freshwater.. *Applied and Environmental Microbiology*, **2022**, e0252221	4.8	1
69	Contribution of plasmidome, metal resistome and integrases to the persistence of the antibiotic resistome in aquatic environments.. *Environmental Pollution*, **2021**, 118774	9.3	0
68	Are microplastic particles a hotspot for the spread and the persistence of antibiotic resistance in aquatic systems?. *Environmental Pollution*, **2021**, 279, 116896	9.3	16
67	Contribution of microplastic particles to the spread of resistances and pathogenic bacteria in treated wastewaters. *Water Research*, **2021**, 201, 117368	12.5	15
66	Microplastic retention in small and medium municipal wastewater treatment plants and the role of the disinfection. *Environmental Science and Pollution Research*, **2021**, 1	5.1	3
65	Elimination from wastewater of antibiotics reserved for hospital settings, with a Fenton process based on zero-valent iron. *Chemosphere*, **2021**, 283, 131170	8.4	8
64	Bioplastic accumulates antibiotic and metal resistance genes in coastal marine sediments. *Environmental Pollution*, **2021**, 291, 118161	9.3	1
63	The role of metal contamination in shaping microbial communities in heavily polluted marine sediments. *Environmental Pollution*, **2020**, 265, 114823	9.3	31
62	Different substrates within a lake harbour connected but specialised microbial communities. *Hydrobiologia*, **2020**, 847, 1689-1704	2.4	6
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,	4.3	4
60	Tossed Ţgood luckŢcoins as vectors for anthropogenic pollution into aquatic environment. *Environmental Pollution*, **2020**, 259, 113800	9.3	2
59	A global multinational survey of cefotaxime-resistant coliforms in urban wastewater treatment plants. *Environment International*, **2020**, 144, 106035	12.9	17
58	Impact of disinfection processes on bacterial community in urban wastewater: Should we rethink microbial assessment methods?. *Journal of Environmental Chemical Engineering*, **2020**, 8, 104393	6.8	13
57	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. *Water Research*, **2020**, 184, 116194	12.5	16
56	Spatial distribution of antibiotic and heavy metal resistance genes in the Black Sea. *Marine Pollution Bulletin*, **2020**, 160, 111635	6.7	9

55	Genomic Comparison and Spatial Distribution of Different Phylotypes in the Black Sea. *Frontiers in Microbiology*, **2020**, 11, 1979	5.7	5
54	Every fifth published metagenome is not available to science. *PLoS Biology*, **2020**, 18, e3000698	9.7	9
53	Antibiotic disturbance affects aquatic microbial community composition and food web interactions but not community resilience. *Molecular Ecology*, **2019**, 28, 1170-1182	5.7	23
52	Effluents of wastewater treatment plants promote the rapid stabilization of the antibiotic resistome in receiving freshwater bodies. *Water Research*, **2019**, 158, 72-81	12.5	50
51	The mesopelagic anoxic Black Sea as an unexpected habitat for Synechococcus challenges our understanding of global "deep red fluorescence". *ISME Journal*, **2019**, 13, 1676-1687	11.9	17
50	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	10.2	32
49	Seasonality of the antibiotic resistance gene blaCTX-M in temperate Lake Maggiore. *Hydrobiologia*, **2019**, 843, 143-153	2.4	3
48	High-quality treated wastewater causes remarkable changes in natural microbial communities and intI1 gene abundance. *Water Research*, **2019**, 167, 114895	12.5	23
47	Evaluation and quantification of antimicrobial residues and antimicrobial resistance genes in two Italian swine farms. *Environmental Pollution*, **2019**, 255, 113183	9.3	6
46	Knowledge Gaps and Research Needs in Bacterial Co-Resistance in the Environment **2019**, 39-59		1
45	Lanzarote and Chinijo Islands: An Anchialine UNESCO Global Geopark. *Volcanic Tourist Destinations*, **2019**, 109-121	0.1	1
44	Deconvolution models for a better understanding of natural microbial communities enumerated by flow-cytometry. *Cytometry Part A: the Journal of the International Society for Analytical Cytology*, **2018**, 93, 180-181	4.6	2
43	Persistence of antibiotic resistance genes in large subalpine lakes: the role of anthropogenic pollution and ecological interactions. *Hydrobiologia*, **2018**, 824, 93-108	2.4	28
42	Microplastics increase impact of treated wastewater on freshwater microbial community. *Environmental Pollution*, **2018**, 234, 495-502	9.3	132
41	Assessing antimicrobial resistance gene load in vegan, vegetarian and omnivore human gut microbiota. *International Journal of Antimicrobial Agents*, **2018**, 52, 702-705	14.3	11
40	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	5.7	52
39	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	12.5	35
38	Erect macroalgae influence epilithic bacterial assemblages and reduce coral recruitment. *Marine Ecology - Progress Series*, **2018**, 597, 65-77	2.6	9

37	Mechanisms regulating CO2 and CH4 dynamics in the Azorean volcanic lakes (São Miguel Island, Portugal). *Journal of Limnology*, **2018**, 77,	1.5	7
36	Rainfall increases the abundance of antibiotic resistance genes within a riverine microbial community. *Environmental Pollution*, **2017**, 226, 473-478	9.3	63
35	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	2.4	3
34	The microbiome associated with two Synechococcus ribotypes at different levels of ecological interaction. *Journal of Phycology*, **2017**, 53, 1151-1158	3	10
33	Tracing particulate matter and associated microorganisms in freshwaters. *Hydrobiologia*, **2017**, 800, 145-154	2.4	21
32	Defence strategies and antibiotic resistance gene abundance in enterococci under stress by exposure to low doses of peracetic acid. *Chemosphere*, **2017**, 185, 480-488	8.4	23
31	Fitness and Recovery of Bacterial Communities and Antibiotic Resistance Genes in Urban Wastewaters Exposed to Classical Disinfection Treatments. *Environmental Science & Technology*, **2016**, 50, 10153-61	10.3	90
30	Daphnia as a refuge for an antibiotic resistance gene in an experimental freshwater community. *Science of the Total Environment*, **2016**, 571, 77-81	10.2	28
29	Grazing-induced Synechococcus microcolony formation: experimental insights from two freshwater phylotypes. *FEMS Microbiology Ecology*, **2016**, 92,	4.3	28
28	Co-occurrence of integrase 1, antibiotic and heavy metal resistance genes in municipal wastewater treatment plants. *Water Research*, **2016**, 94, 208-214	12.5	270
27	Co-selection of antibiotic and heavy metal resistance in freshwater bacteria. *Journal of Limnology*, **2016**, 75,	1.5	55
26	Resistance to Biocides in Collected in Meat-Processing Environments. *Frontiers in Microbiology*, **2016**, 7, 1627	5.7	30
25	Diverse distribution of Toxin-Antitoxin II systems in Salmonella enterica serovars. *Scientific Reports*, **2016**, 6, 28759	4.9	16
24	A microbial perspective on biological invasions in aquatic ecosystems. *Hydrobiologia*, **2015**, 746, 13-22	2.4	29
23	Constitutive presence of antibiotic resistance genes within the bacterial community of a large subalpine lake. *Molecular Ecology*, **2015**, 24, 3888-900	5.7	63
22	Ecology and Distribution of Thaumarchaea in the Deep Hypolimnion of Lake Maggiore. *Archaea*, **2015**, 2015, 590434	2	20
21	Interspecific interactions drive chitin and cellulose degradation by aquatic microorganisms. *Aquatic Microbial Ecology*, **2015**, 76, 27-37	1.1	10
20	Antibiotics promote aggregation within aquatic bacterial communities. *Frontiers in Microbiology*, **2014**, 5, 297	5.7	41

19	Tetracycline modifies competitive interactions in experimental microcosms containing bacteria isolated from freshwater. *FEMS Microbiology Ecology*, **2014**, 90, 168-74	4.3	3
18	Phylogenetic diversity of nonmarine picocyanobacteria. *FEMS Microbiology Ecology*, **2013**, 85, 293-301	4.3	44
17	Coaggregation in a microbial predator□prey system affects competition and trophic transfer efficiency. *Ecology*, **2013**, 94, 870-881	4.6	35
16	Every coin has a back side: invasion by Limnohabitans planktonicus promotes the maintenance of species diversity in bacterial communities. *PLoS ONE*, **2012**, 7, e51576	3.7	18
15	Picocyanobacterial community structure and space-time dynamics in the subalpine Lake Maggiore (N. Italy). *Journal of Limnology*, **2012**, 71, 9	1.5	21
14	Ultraviolet radiation induces filamentation in bacterial assemblages from North Andean Patagonian lakes. *Photochemistry and Photobiology*, **2010**, 86, 871-81	3.6	13
13	Picocyanobacterial assemblages in ultraoligotrophic Andean lakes reveal high regional microdiversity. *Journal of Plankton Research*, **2010**, 32, 357-366	2.2	21
12	Long-term trends of epilimnetic and hypolimnetic bacteria and organic carbon in a deep holo-oligomictic lake. *Hydrobiologia*, **2010**, 644, 279-287	2.4	21
11	Bacteria, archaea, and crenarchaeota in the epilimnion and hypolimnion of a deep holo-oligomictic lake. *Applied and Environmental Microbiology*, **2009**, 75, 7298-300	4.8	29
10	Bacterial diversity and morphology in deep ultraoligotrophic Andean lakes: The role of UVR on vertical distribution. *Limnology and Oceanography*, **2009**, 54, 1098-1112	4.8	21
9	Structural and functional patterns of bacterial communities in response to protist predation along an experimental productivity gradient. *Environmental Microbiology*, **2008**, 10, 2857-71	5.2	53
8	Effects of predation pressure on bacterial abundance, diversity, and size-structure distribution in an oligotrophic system. *Journal of Limnology*, **2008**, 67, 107	1.5	27
7	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	1.5	16
6	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	4.8	110
5	Are grazer-induced adaptations of bacterial abundance and morphology timedependent?. *Journal of Limnology*, **2006**, 65, 35	1.5	3
4	Effects of nutrient availability and Ochromonas sp. predation on size and composition of a simplified aquatic bacterial community. *FEMS Microbiology Ecology*, **2006**, 58, 354-63	4.3	23
3	Bacterial grazing by mixotrophic flagellates and Daphnia longispina: a comparison in a fishless alpine lake. *Aquatic Microbial Ecology*, **2006**, 42, 127-137	1.1	11
2	Dynamics of bacteria and mixotrophic flagellates in an Alpine lake in relation to Daphnia population development. *Journal of Limnology*, **2002**, 61, 177	1.5	7

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