

# Cristina Garc a-Aljaro

## List of Publications by Year in descending order

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Version: 2024-02-01

57  
papers

1,800  
citations

279487

23  
h-index

288905

40  
g-index

58  
all docs

58  
docs citations

58  
times ranked

2552  
citing authors

#	ARTICLE	IF	CITATIONS
1	Modeling human pollution in water bodies using somatic coliphages and bacteriophages that infect <i>Bacteroides thetaiotaomicron</i> strain GA17. <i>Journal of Environmental Management</i> , 2022, 301, 113802.	3.8	1
2	Bacteriophages in sewage: abundance, roles, and applications. <i>FEMS Microbes</i> , 2022, 3, .	0.8	15
3	Monitoring Bacterial Community Dynamics in a Drinking Water Treatment Plant: An Integrative Approach Using Metabarcoding and Microbial Indicators in Large Water Volumes. <i>Water (Switzerland)</i> , 2022, 14, 1435.	1.2	6
4	Experimental evidence of antimicrobial activity in Antarctic seaweeds: ecological role and antibiotic potential. <i>Polar Biology</i> , 2022, 45, 923-936.	0.5	5
5	Bacteriophages Are Good Estimators of Human Viruses Present in Water. <i>Frontiers in Microbiology</i> , 2021, 12, 619495.	1.5	19
6	Rapid and improved identification of drinking water bacteria using the Drinking Water Library, a dedicated MALDI-TOF MS database. <i>Water Research</i> , 2021, 203, 117543.	5.3	14
7	crAssphage as a human molecular marker to evaluate temporal and spatial variability in faecal contamination of urban marine bathing waters. <i>Science of the Total Environment</i> , 2021, 789, 147828.	3.9	22
8	Unravelling the composition of tap and mineral water microbiota: Divergences between next-generation sequencing techniques and culture-based methods. <i>International Journal of Food Microbiology</i> , 2020, 334, 108850.	2.1	24
9	Impact of treated sewage effluent on the bacterial community composition in an intermittent mediterranean stream. <i>Environmental Pollution</i> , 2020, 266, 115254.	3.7	23
10	Assessment of dead-end ultrafiltration for the detection and quantification of microbial indicators and pathogens in the drinking water treatment processes. <i>International Journal of Hygiene and Environmental Health</i> , 2020, 230, 113628.	2.1	6
11	Modelling the seasonal impacts of a wastewater treatment plant on water quality in a Mediterranean stream using microbial indicators. <i>Journal of Environmental Management</i> , 2020, 261, 110220.	3.8	15
12	Global phylogeography and ancient evolution of the widespread human gut virus crAssphage. <i>Nature Microbiology</i> , 2019, 4, 1727-1736.	5.9	184
13	Traceability of different brands of bottled mineral water during shelf life, using PCR-DGGE and next generation sequencing techniques. <i>Food Microbiology</i> , 2019, 82, 1-10.	2.1	12
14	Dynamics of crAssphage as a human source tracking marker in potentially faecally polluted environments. <i>Water Research</i> , 2019, 155, 233-244.	5.3	55
15	Pathogens, faecal indicators and human-specific microbial source-tracking markers in sewage. <i>Journal of Applied Microbiology</i> , 2019, 126, 701-717.	1.4	57
16	Antibacterial defenses and palatability of shallow-water Antarctic sponges. <i>Hydrobiologia</i> , 2018, 806, 123-138.	1.0	34
17	Isolation of Bacteriophages of the Anaerobic Bacteria <i>Bacteroides</i> . <i>Methods in Molecular Biology</i> , 2018, 1693, 11-22.	0.4	4
18	Assessment of the decay rates of microbial source tracking molecular markers and faecal indicator bacteria from different sources. <i>Journal of Applied Microbiology</i> , 2018, 125, 1938-1949.	1.4	24

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19	Mobilisation of microbial indicators, microbial source tracking markers and pathogens after rainfall events. <i>Water Research</i> , 2017, 112, 248-253.	5.3	37
20	Experimental evidence of chemical defence mechanisms in Antarctic bryozoans. <i>Marine Environmental Research</i> , 2017, 129, 68-75.	1.1	33
21	Beyond the canonical strategies of horizontal gene transfer in prokaryotes. <i>Current Opinion in Microbiology</i> , 2017, 38, 95-105.	2.3	58
22	Heterotrophic monitoring at a drinking water treatment plant by matrix-assisted laser desorption/ionization–time of flight (MALDI-TOF) mass spectrometry after different drinking water treatments. <i>Journal of Water and Health</i> , 2017, 15, 885-897.	1.1	7
23	Determination of crAssphage in water samples and applicability for tracking human faecal pollution. <i>Microbial Biotechnology</i> , 2017, 10, 1775-1780.	2.0	96
24	Microcosms for evaluating microbial indicator persistence and mobilization in fluvial sediments during rainfall events. <i>Water Research</i> , 2017, 123, 623-631.	5.3	15
25	Heterogeneity in phage induction enables the survival of the lysogenic population. <i>Environmental Microbiology</i> , 2016, 18, 957-969.	1.8	28
26	Simultaneous detection of somatic and F-specific coliphages in different settings by <i>Escherichia coli</i> strain CB390. <i>FEMS Microbiology Letters</i> , 2016, 363, fnw180.	0.7	13
27	<i>Pseudomonas</i> -related populations associated with reverse osmosis in drinking water treatment. <i>Journal of Environmental Management</i> , 2016, 182, 335-341.	3.8	20
28	Somatic coliphages as surrogates for enteroviruses in sludge hygienization treatments. <i>Water Science and Technology</i> , 2016, 73, 2182-2188.	1.2	14
29	Use of matrix-assisted laser desorption/ionization–time of flight (MALDI-TOF) mass spectrometry for bacterial monitoring in routine analysis at a drinking water treatment plant. <i>International Journal of Hygiene and Environmental Health</i> , 2016, 219, 577-584.	2.1	22
30	Effect of hygienization treatment on the recovery and/or regrowth of microbial indicators in sewage sludge. <i>Journal of Applied Microbiology</i> , 2015, 118, 412-418.	1.4	16
31	Antimicrobial activity of Antarctic bryozoans: An ecological perspective with potential for clinical applications. <i>Marine Environmental Research</i> , 2014, 101, 52-59.	1.1	43
32	<i>Neoscardovia arbecensis</i> gen. nov., sp. nov., isolated from porcine slurries. <i>Systematic and Applied Microbiology</i> , 2012, 35, 374-379.	1.2	19
33	Quorum-sensing regulates biofilm formation in <i>Vibrio scophthalmi</i> . <i>BMC Microbiology</i> , 2012, 12, 287.	1.3	24
34	Detection of acylated homoserine lactones produced by <i>Vibrio</i> spp. and related species isolated from water and aquatic organisms. <i>Journal of Applied Microbiology</i> , 2012, 112, 383-389.	1.4	24
35	Electrochemical Detection of Quorum Sensing Signaling Molecules by Dual Signal Confirmation at Microelectrode Arrays. <i>Analytical Chemistry</i> , 2011, 83, 2097-2103.	3.2	22
36	Persistence and diversity of faecal coliform and enterococci populations in faecally polluted waters. <i>Journal of Applied Microbiology</i> , 2011, 111, 209-215.	1.4	3

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37	Real Time Automatic System for the Impedimetric Monitoring of Bacterial Growth. <i>Analytical Letters</i> , 2011, 44, 2571-2581.	1.0	0
38	Bacteriophage-Encoding Cytolethal Distending Toxin Type V Gene Induced from Nonclinical <i>Escherichia coli</i> Isolates. <i>Infection and Immunity</i> , 2011, 79, 3262-3272.	1.0	29
39	Amperometric detection of Enterobacteriaceae in river water by measuring $\hat{I}^2$ -galactosidase activity at interdigitated microelectrode arrays. <i>Analytica Chimica Acta</i> , 2010, 677, 156-161.	2.6	47
40	Conducting polymer nanowire-based chemiresistive biosensor for the detection of bacterial spores. <i>Biosensors and Bioelectronics</i> , 2010, 25, 2309-2312.	5.3	59
41	Carbon nanotubes-based chemiresistive biosensors for detection of microorganisms. <i>Biosensors and Bioelectronics</i> , 2010, 26, 1437-1441.	5.3	123
42	Impedimetric approach for monitoring bacterial cultures based on the changes in the magnitude of the interface capacitance. <i>Analytical Methods</i> , 2010, 2, 1036.	1.3	4
43	Genotypic and Phenotypic Diversity among Induced, <i>stx<sub>2</sub></i> -Carrying Bacteriophages from Environmental <i>Escherichia coli</i> Strains. <i>Applied and Environmental Microbiology</i> , 2009, 75, 329-336.	1.4	52
44	On-chip impedimetric detection of bacteriophages in dairy samples. <i>Biosensors and Bioelectronics</i> , 2009, 24, 1712-1716.	5.3	27
45	Phylogroups, virulence determinants and antimicrobial resistance in <i>stx</i> gene-carrying <i>Escherichia coli</i> isolated from aquatic environments. <i>Research in Microbiology</i> , 2009, 160, 585-591.	1.0	24
46	Captavidin: a new regenerable biocomponent for biosensing?. <i>Analyst, The</i> , 2009, 134, 2338.	1.7	13
47	Impedimetric approach for monitoring the formation of biofilms on metallic surfaces and the subsequent application to the detection of bacteriophages. <i>Electrochimica Acta</i> , 2008, 53, 5739-5744.	2.6	30
48	Detection of quorum-sensing-related molecules in <i>Vibrio scophthalmi</i> . <i>BMC Microbiology</i> , 2008, 8, 138.	1.3	21
49	Surface Plasmon Resonance Assay for Real-Time Monitoring of Somatic Coliphages in Wastewaters. <i>Applied and Environmental Microbiology</i> , 2008, 74, 4054-4058.	1.4	48
50	Occurrence of <i>Escherichia coli</i> O157:H7 and Other Enterohemorrhagic <i>Escherichia coli</i> in the Environment. <i>Environmental Science &amp; Technology</i> , 2006, 40, 7141-7149.	4.6	108
51	Newly identified bacteriophages carrying the <i>stx<sub>2</sub></i> g Shiga toxin gene isolated from <i>Escherichia coli</i> strains in polluted waters. <i>FEMS Microbiology Letters</i> , 2006, 258, 127-135.	0.7	30
52	Characterization of Shiga toxin-producing <i>Escherichia coli</i> isolated from aquatic environments. <i>FEMS Microbiology Letters</i> , 2005, 246, 55-65.	0.7	63
53	Combined use of an immunomagnetic separation method and immunoblotting for the enumeration and isolation of <i>Escherichia coli</i> O157 in wastewaters. <i>Journal of Applied Microbiology</i> , 2005, 98, 589-597.	1.4	29
54	Prevalence of the <i>stx<sub>2</sub></i> Gene in Coliform Populations from Aquatic Environments. <i>Applied and Environmental Microbiology</i> , 2004, 70, 3535-3540.	1.4	43

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55	Detection, enumeration and isolation of strains carrying the stx2 gene from urban sewage. Water Science and Technology, 2003, 47, 109-116.	1.2	20
56	Detection, enumeration and isolation of strains carrying the stx2 gene from urban sewage. Water Science and Technology, 2003, 47, 109-16.	1.2	7
57	Characterisation of DNA probes for the analysis of metallothionein gene expression in the bank vole ( <i>Clethrionomys glareolus</i> ). Environment International, 2002, 28, 139-146.	4.8	3