Cristina GarcÃ-a-Aljaro

List of Publications by Year
in descending order

57	1,800	279487 23	288905 40
papers	citations	h-index	g-index

58	58	58	2552
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Global phylogeography and ancient evolution of the widespread human gut virus crAssphage. Nature Microbiology, 2019, 4, 1727-1736.	5.9	184
2	Carbon nanotubes-based chemiresistive biosensors for detection of microorganisms. Biosensors and Bioelectronics, 2010, 26, 1437-1441.	5.3	123
3	Occurrence of Escherichia coli O157:H7 and Other Enterohemorrhagic Escherichia coli in the Environment. Environmental Science & Technology, 2006, 40, 7141-7149.	4.6	108
4	Determination of crAssphage in water samples and applicability for tracking human faecal pollution. Microbial Biotechnology, 2017, 10, 1775-1780.	2.0	96
5	Characterization of Shiga toxin-producingEscherichia coliisolated from aquatic environments. FEMS Microbiology Letters, 2005, 246, 55-65.	0.7	63
6	Conducting polymer nanowire-based chemiresistive biosensor for the detection of bacterial spores. Biosensors and Bioelectronics, 2010, 25, 2309-2312.	5.3	59
7	Beyond the canonical strategies of horizontal gene transfer in prokaryotes. Current Opinion in Microbiology, 2017, 38, 95-105.	2.3	58
8	Pathogens, faecal indicators and human-specific microbial source-tracking markers in sewage. Journal of Applied Microbiology, 2019, 126, 701-717.	1.4	57
9	Dynamics of crAssphage as a human source tracking marker in potentially faecally polluted environments. Water Research, 2019, 155, 233-244.	5.3	55
10	Genotypic and Phenotypic Diversity among Induced, stx ₂ -Carrying Bacteriophages from Environmental Escherichia coli Strains. Applied and Environmental Microbiology, 2009, 75, 329-336.	1.4	52
11	Surface Plasmon Resonance Assay for Real-Time Monitoring of Somatic Coliphages in Wastewaters. Applied and Environmental Microbiology, 2008, 74, 4054-4058.	1.4	48
12	Amperometric detection of Enterobacteriaceae in river water by measuring Î²-galactosidase activity at interdigitated microelectrode arrays. Analytica Chimica Acta, 2010, 677, 156-161.	2.6	47
13	Prevalence of the stx2 Gene in Coliform Populations from Aquatic Environments. Applied and Environmental Microbiology, 2004, 70, 3535-3540.	1.4	43
14	Antimicrobial activity of Antarctic bryozoans: An ecological perspective with potential for clinical applications. Marine Environmental Research, 2014, 101, 52-59.	1.1	43
15	Mobilisation of microbial indicators, microbial source tracking markers and pathogens after rainfall events. Water Research, 2017, 112, 248-253.	5.3	37
16	Antibacterial defenses and palatability of shallow-water Antarctic sponges. Hydrobiologia, 2018, 806, 123-138.	1.0	34
17	Experimental evidence of chemical defence mechanisms in Antarctic bryozoans. Marine Environmental Research, 2017, 129, 68-75.	1.1	33
18	Newly identified bacteriophages carrying the stx2g Shiga toxin gene isolated from Escherichia coli strains in polluted waters. FEMS Microbiology Letters, 2006, 258, 127-135.	0.7	30

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19	Impedimetric approach for monitoring the formation of biofilms on metallic surfaces and the subsequent application to the detection of bacteriophages. Electrochimica Acta, 2008, 53, 5739-5744.	2.6	30
20	Combined use of an immunomagnetic separation method and immunoblotting for the enumeration and isolation of Escherichia coli O157 in wastewaters. Journal of Applied Microbiology, 2005, 98, 589-597.	1.4	29
21	Bacteriophage-Encoding Cytolethal Distending Toxin Type V Gene Induced from Nonclinical Escherichia coli Isolates. Infection and Immunity, 2011, 79, 3262-3272.	1.0	29
22	Heterogeneity in phage induction enables the survival of the lysogenic population. Environmental Microbiology, 2016, 18, 957-969.	1.8	28
23	On-chip impedimetric detection of bacteriophages in dairy samples. Biosensors and Bioelectronics, 2009, 24, 1712-1716.	5.3	27
24	Phylogroups, virulence determinants and antimicrobial resistance in stx gene-carrying Escherichia coli isolated from aquatic environments. Research in Microbiology, 2009, 160, 585-591.	1.0	24
25	Quorum-sensing regulates biofilm formation in Vibrio scophthalmi. BMC Microbiology, 2012, 12, 287.	1.3	24
26	Detection of acylated homoserine lactones produced by Vibrio spp. and related species isolated from water and aquatic organisms. Journal of Applied Microbiology, 2012, 112, 383-389.	1.4	24
27	Assessment of the decay rates of microbial source tracking molecular markers and faecal indicator bacteria from different sources. Journal of Applied Microbiology, 2018, 125, 1938-1949.	1.4	24
28	Unravelling the composition of tap and mineral water microbiota: Divergences between next-generation sequencing techniques and culture-based methods. International Journal of Food Microbiology, 2020, 334, 108850.	2.1	24
29	Impact of treated sewage effluent on the bacterial community composition in an intermittent mediterranean stream. Environmental Pollution, 2020, 266, 115254.	3.7	23
30	Electrochemical Detection of Quorum Sensing Signaling Molecules by Dual Signal Confirmation at Microelectrode Arrays. Analytical Chemistry, 2011, 83, 2097-2103.	3.2	22
31	Use of matrix-assisted laser desorption/ionizationâ€“time of flight (MALDIâ€“TOF) mass spectrometry for bacterial monitoring in routine analysis at a drinking water treatment plant. International Journal of Hygiene and Environmental Health, 2016, 219, 577-584.	2.1	22
32	crAssphage as a human molecular marker to evaluate temporal and spatial variability in faecal contamination of urban marine bathing waters. Science of the Total Environment, 2021, 789, 147828.	3.9	22
33	Detection of quorum-sensing-related molecules in Vibrio scophthalmi. BMC Microbiology, 2008, 8, 138.	1.3	21
34	Detection, enumeration and isolation of strains carrying the stx2 gene from urban sewage. Water Science and Technology, 2003, 47, 109-116.	1.2	20
35	Pseudomonas-related populations associated with reverse osmosis in drinking water treatment. Journal of Environmental Management, 2016, 182, 335-341.	3.8	20
36	Neoscardovia arbecensis gen. nov., sp. nov., isolated from porcine slurries. Systematic and Applied Microbiology, 2012, 35, 374-379.	1.2	19

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37	Bacteriophages Are Good Estimators of Human Viruses Present in Water. Frontiers in Microbiology, 2021, 12, 619495.	1.5	19
38	Effect of hygienization treatment on the recovery and/or regrowth of microbial indicators in sewage sludge. Journal of Applied Microbiology, 2015, 118, 412-418.	1.4	16
39	Microcosms for evaluating microbial indicator persistence and mobilization in fluvial sediments during rainfall events. Water Research, 2017, 123, 623-631.	5.3	15
40	Modelling the seasonal impacts of a wastewater treatment plant on water quality in a Mediterranean stream using microbial indicators. Journal of Environmental Management, 2020, 261, 110220.	3.8	15
41	Bacteriophages in sewage: abundance, roles, and applications. FEMS Microbes, 2022, 3, .	0.8	15
42	Somatic coliphages as surrogates for enteroviruses in sludge hygienization treatments. Water Science and Technology, 2016, 73, 2182-2188.	1.2	14
43	Rapid and improved identification of drinking water bacteria using the Drinking Water Library, a dedicated MALDI-TOF MS database. Water Research, 2021, 203, 117543.	5.3	14
44	Captavidin: a new regenerable biocomponent for biosensing?. Analyst, The, 2009, 134, 2338.	1.7	13
45	Simultaneous detection of somatic and F-specific coliphages in different settings byEscherichia colistrain CB390. FEMS Microbiology Letters, 2016, 363, fnw180.	0.7	13
46	Traceability of different brands of bottled mineral water during shelf life, using PCR-DGGE and next generation sequencing techniques. Food Microbiology, 2019, 82, 1-10.	2.1	12
47	Heterotrophic monitoring at a drinking water treatment plant by matrix-assisted laser desorption/ionizationâ€“time of flight (MALDI-TOF) mass spectrometry after different drinking water treatments. Journal of Water and Health, 2017, 15, 885-897.	1.1	7
48	Detection, enumeration and isolation of strains carrying the stx2 gene from urban sewage. Water Science and Technology, 2003, 47, 109-16.	1.2	7
49	Assessment of dead-end ultrafiltration for the detection and quantification of microbial indicators and pathogens in the drinking water treatment processes. International Journal of Hygiene and Environmental Health, 2020, 230, 113628.	2.1	6
50	Monitoring Bacterial Community Dynamics in a Drinking Water Treatment Plant: An Integrative Approach Using Metabarcoding and Microbial Indicators in Large Water Volumes. Water (Switzerland), 2022, 14, 1435.	1.2	6
51	Experimental evidence of antimicrobial activity in Antarctic seaweeds: ecological role and antibiotic potential. Polar Biology, 2022, 45, 923-936.	0.5	5
52	Impedimetric approach for monitoring bacterial cultures based on the changes in the magnitude of the interface capacitance. Analytical Methods, 2010, 2, 1036.	1.3	4
53	Isolation of Bacteriophages of the Anaerobic Bacteria Bacteroides. Methods in Molecular Biology, 2018, 1693, 11-22.	0.4	4
54	Characterisation of DNA probes for the analysis of metallothionein gene expression in the bank vole (Clethrionomys glareolus). Environment International, 2002, 28, 139-146.	4.8	3

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55	Persistence and diversity of faecal coliform and enterococci populations in faecally polluted waters. Journal of Applied Microbiology, 2011, 111, 209-215.	1.4	3
56	Modeling human pollution in water bodies using somatic coliphages and bacteriophages that infect Bacteroides thetaiotaomicron strain GA17. Journal of Environmental Management, 2022, 301, 113802.	3.8	1
57	Real Time Automatic System for the Impedimetric Monitoring of Bacterial Growth. Analytical Letters, 2011, 44, 2571-2581.	1.0	0