

Cristina GarcÃ-a-Aljaro

List of Publications by Year in descending order

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Version: 2024-02-01

57
papers

1,800
citations

279798

23
h-index

289244

40
g-index

58
all docs

58
docs citations

58
times ranked

2552
citing authors

#	ARTICLE	IF	CITATIONS
1	Global phylogeography and ancient evolution of the widespread human gut virus crAssphage. <i>Nature Microbiology</i> , 2019, 4, 1727-1736.	13.3	184
2	Carbon nanotubes-based chemiresistive biosensors for detection of microorganisms. <i>Biosensors and Bioelectronics</i> , 2010, 26, 1437-1441.	10.1	123
3	Occurrence of <i>Escherichia coli</i> O157:H7 and Other Enterohemorrhagic <i>Escherichia coli</i> in the Environment. <i>Environmental Science & Technology</i> , 2006, 40, 7141-7149.	10.0	108
4	Determination of crAssphage in water samples and applicability for tracking human faecal pollution. <i>Microbial Biotechnology</i> , 2017, 10, 1775-1780.	4.2	96
5	Characterization of Shiga toxin-producing <i>Escherichia coli</i> isolated from aquatic environments. <i>FEMS Microbiology Letters</i> , 2005, 246, 55-65.	1.8	63
6	Conducting polymer nanowire-based chemiresistive biosensor for the detection of bacterial spores. <i>Biosensors and Bioelectronics</i> , 2010, 25, 2309-2312.	10.1	59
7	Beyond the canonical strategies of horizontal gene transfer in prokaryotes. <i>Current Opinion in Microbiology</i> , 2017, 38, 95-105.	5.1	58
8	Pathogens, faecal indicators and human-specific microbial source-tracking markers in sewage. <i>Journal of Applied Microbiology</i> , 2019, 126, 701-717.	3.1	57
9	Dynamics of crAssphage as a human source tracking marker in potentially faecally polluted environments. <i>Water Research</i> , 2019, 155, 233-244.	11.3	55
10	Genotypic and Phenotypic Diversity among Induced, <i>stx</i> ₂ -Carrying Bacteriophages from Environmental <i>Escherichia coli</i> Strains. <i>Applied and Environmental Microbiology</i> , 2009, 75, 329-336.	3.1	52
11	Surface Plasmon Resonance Assay for Real-Time Monitoring of Somatic Coliphages in Wastewaters. <i>Applied and Environmental Microbiology</i> , 2008, 74, 4054-4058.	3.1	48
12	Amperometric detection of Enterobacteriaceae in river water by measuring β -galactosidase activity at interdigitated microelectrode arrays. <i>Analytica Chimica Acta</i> , 2010, 677, 156-161.	5.4	47
13	Prevalence of the <i>stx2</i> Gene in Coliform Populations from Aquatic Environments. <i>Applied and Environmental Microbiology</i> , 2004, 70, 3535-3540.	3.1	43
14	Antimicrobial activity of Antarctic bryozoans: An ecological perspective with potential for clinical applications. <i>Marine Environmental Research</i> , 2014, 101, 52-59.	2.5	43
15	Mobilisation of microbial indicators, microbial source tracking markers and pathogens after rainfall events. <i>Water Research</i> , 2017, 112, 248-253.	11.3	37
16	Antibacterial defenses and palatability of shallow-water Antarctic sponges. <i>Hydrobiologia</i> , 2018, 806, 123-138.	2.0	34
17	Experimental evidence of chemical defence mechanisms in Antarctic bryozoans. <i>Marine Environmental Research</i> , 2017, 129, 68-75.	2.5	33
18	Newly identified bacteriophages carrying the <i>stx2g</i> Shiga toxin gene isolated from <i>Escherichia coli</i> strains in polluted waters. <i>FEMS Microbiology Letters</i> , 2006, 258, 127-135.	1.8	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. <i>Electrochimica Acta</i> , 2008, 53, 5739-5744.	5.2	30
20	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.	3.1	29
21	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.	2.2	29
22	Heterogeneity in phage induction enables the survival of the lysogenic population. <i>Environmental Microbiology</i> , 2016, 18, 957-969.	3.8	28
23	On-chip impedimetric detection of bacteriophages in dairy samples. <i>Biosensors and Bioelectronics</i> , 2009, 24, 1712-1716.	10.1	27
24	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.	2.1	24
25	Quorum-sensing regulates biofilm formation in <i>Vibrio scophthalmi</i> . <i>BMC Microbiology</i> , 2012, 12, 287.	3.3	24
26	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.	3.1	24
27	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.	3.1	24
28	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.	4.7	24
29	Impact of treated sewage effluent on the bacterial community composition in an intermittent mediterranean stream. <i>Environmental Pollution</i> , 2020, 266, 115254.	7.5	23
30	Electrochemical Detection of Quorum Sensing Signaling Molecules by Dual Signal Confirmation at Microelectrode Arrays. <i>Analytical Chemistry</i> , 2011, 83, 2097-2103.	6.5	22
31	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.	4.3	22
32	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.	8.0	22
33	Detection of quorum-sensing-related molecules in <i>Vibrio scophthalmi</i> . <i>BMC Microbiology</i> , 2008, 8, 138.	3.3	21
34	Detection, enumeration and isolation of strains carrying the <i>stx2</i> gene from urban sewage. <i>Water Science and Technology</i> , 2003, 47, 109-116.	2.5	20
35	<i>Pseudomonas</i> -related populations associated with reverse osmosis in drinking water treatment. <i>Journal of Environmental Management</i> , 2016, 182, 335-341.	7.8	20
36	<i>Neoscardovia arbecensis</i> gen. nov., sp. nov., isolated from porcine slurries. <i>Systematic and Applied Microbiology</i> , 2012, 35, 374-379.	2.8	19

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37	Bacteriophages Are Good Estimators of Human Viruses Present in Water. <i>Frontiers in Microbiology</i> , 2021, 12, 619495.	3.5	19
38	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.	3.1	16
39	Microcosms for evaluating microbial indicator persistence and mobilization in fluvial sediments during rainfall events. <i>Water Research</i> , 2017, 123, 623-631.	11.3	15
40	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.	7.8	15
41	Bacteriophages in sewage: abundance, roles, and applications. <i>FEMS Microbes</i> , 2022, 3, .	2.1	15
42	Somatic coliphages as surrogates for enteroviruses in sludge hygienization treatments. <i>Water Science and Technology</i> , 2016, 73, 2182-2188.	2.5	14
43	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.	11.3	14
44	Captavidin: a new regenerable biocomponent for biosensing?. <i>Analyst</i> , The, 2009, 134, 2338.	3.5	13
45	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.	1.8	13
46	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.	4.2	12
47	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.	2.6	7
48	Detection, enumeration and isolation of strains carrying the stx2 gene from urban sewage. <i>Water Science and Technology</i> , 2003, 47, 109-16.	2.5	7
49	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.	4.3	6
50	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.	2.7	6
51	Experimental evidence of antimicrobial activity in Antarctic seaweeds: ecological role and antibiotic potential. <i>Polar Biology</i> , 2022, 45, 923-936.	1.2	5
52	Impedimetric approach for monitoring bacterial cultures based on the changes in the magnitude of the interface capacitance. <i>Analytical Methods</i> , 2010, 2, 1036.	2.7	4
53	Isolation of Bacteriophages of the Anaerobic Bacteria <i>Bacteroides</i> . <i>Methods in Molecular Biology</i> , 2018, 1693, 11-22.	0.9	4
54	Characterisation of DNA probes for the analysis of metallothionein gene expression in the bank vole (<i>Clethrionomys glareolus</i>). <i>Environment International</i> , 2002, 28, 139-146.	10.0	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.	3.1	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.	7.8	1
57	Real Time Automatic System for the Impedimetric Monitoring of Bacterial Growth. Analytical Letters, 2011, 44, 2571-2581.	1.8	0