

Christophe Gantzer

List of Publications by Year in descending order

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Version: 2024-02-01

59
papers

2,469
citations

218381
26
h-index

197535
49
g-index

61
all docs

61
docs citations

61
times ranked

2122
citing authors

#	ARTICLE	IF	CITATIONS
1	A nationwide indicator to smooth and normalize heterogeneous SARS-CoV-2 RNA data in wastewater. <i>Environment International</i> , 2022, 158, 106998.	4.8	31
2	New method to quantify hydrophobicity of non-enveloped virions in aqueous media by capillary zone electrophoresis. <i>Virology</i> , 2022, 568, 23-30.	1.1	5
3	Impacts of Mechanical Stiffness of Bacteriophage-Loaded Hydrogels on Their Antibacterial Activity. <i>ACS Applied Bio Materials</i> , 2021, 4, 2614-2627.	2.3	5
4	The Utility of <i>Dreissena polymorpha</i> for Assessing the Viral Contamination of Rivers by Measuring the Accumulation of F-Specific RNA Bacteriophages. <i>Water (Switzerland)</i> , 2021, 13, 904.	1.2	5
5	Variability in molecular characteristics of Hepatitis E virus quasispecies could modify viral surface properties and transmission. <i>Journal of Viral Hepatitis</i> , 2021, 28, 1078-1090.	1.0	1
6	Free Chlorine and Peroxynitrite Alter the Capsid Structure of Human Norovirus GII.4 and Its Capacity to Bind Histo-Blood Group Antigens. <i>Frontiers in Microbiology</i> , 2021, 12, 662764.	1.5	1
7	Epidemiological surveillance of SARS-CoV-2 by genome quantification in wastewater applied to a city in the northeast of France: Comparison of ultrafiltration- and protein precipitation-based methods. <i>International Journal of Hygiene and Environmental Health</i> , 2021, 233, 113692.	2.1	42
8	Aerobic Conditions and Endogenous Reactive Oxygen Species Reduce the Production of Infectious MS2 Phage by <i>Escherichia coli</i> . <i>Viruses</i> , 2021, 13, 1376.	1.5	1
9	F-Specific RNA Bacteriophage Transport in Stream Water: Hydro-Meteorological Controls and Association with Suspended Solids. <i>Water (Switzerland)</i> , 2021, 13, 2250.	1.2	2
10	Elimination of SARS-CoV-2 along wastewater and sludge treatment processes. <i>Water Research</i> , 2021, 202, 117435.	5.3	50
11	Somatic coliphages are conservative indicators of SARS-CoV-2 inactivation during heat and alkaline pH treatments. <i>Science of the Total Environment</i> , 2021, 797, 149112.	3.9	17
12	Interaction between norovirus and Histo-Blood Group Antigens: A key to understanding virus transmission and inactivation through treatments?. <i>Food Microbiology</i> , 2020, 92, 103594.	2.1	13
13	The effect of proteolytic enzymes and pH on GII.4 norovirus, during both interactions and non-interaction with Histo-Blood Group Antigens. <i>Scientific Reports</i> , 2020, 10, 17926.	1.6	5
14	Inactivation of hepatitis A virus and murine norovirus on surfaces of plastic, steel and raspberries using steam-ultrasound treatment. <i>Food and Environmental Virology</i> , 2020, 12, 295-309.	1.5	6
15	Structural Organizations of Q β and MS2 Phages Affect Capsid Protein Modifications by Oxidants Hypochlorous Acid and Peroxynitrite. <i>Frontiers in Microbiology</i> , 2020, 11, 1157.	1.5	14
16	F-Specific RNA Bacteriophages Model the Behavior of Human Noroviruses during Purification of Oysters: the Main Mechanism Is Probably Inactivation Rather than Release. <i>Applied and Environmental Microbiology</i> , 2020, 86, .	1.4	8
17	Effect of natural ageing and heat treatments on GII.4 norovirus binding to Histo-Blood Group Antigens. <i>Scientific Reports</i> , 2019, 9, 15312.	1.6	11
18	Emerging hepatitis E virus compared with hepatitis A virus: A new sanitary challenge. <i>Reviews in Medical Virology</i> , 2019, 29, e2078.	3.9	15

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19	Influence of physico-chemical characteristics of sediment on the <i>in situ</i> spatial distribution of F-specific RNA phages in the riverbed. <i>FEMS Microbiology Ecology</i> , 2019, 95, .	1.3	8
20	MS2 and Q β bacteriophages reveal the contribution of surface hydrophobicity on the mobility of non-enveloped icosahedral viruses in SDS-based capillary zone electrophoresis. <i>Electrophoresis</i> , 2018, 39, 377-385.	1.3	9
21	F-Specific RNA Bacteriophages, Especially Members of Subgroup II, Should Be Reconsidered as Good Indicators of Viral Pollution of Oysters. <i>Applied and Environmental Microbiology</i> , 2018, 84, .	1.4	15
22	On the Infectivity of Bacteriophages in Polyelectrolyte Multilayer Films: Inhibition or Preservation of Their Bacteriolytic Activity?. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 33545-33555.	4.0	6
23	The impact of chlorine and heat on the infectivity and physicochemical properties of bacteriophage MS2. <i>FEMS Microbiology Ecology</i> , 2018, 94, .	1.3	5
24	Inactivation of murine norovirus and hepatitis A virus on fresh raspberries by gaseous ozone treatment. <i>Food Microbiology</i> , 2018, 70, 1-6.	2.1	51
25	Interactions of infectious F-specific RNA bacteriophages with suspended matter and sediment: Towards an understanding of FRNAPH distribution in a river water system. <i>Science of the Total Environment</i> , 2017, 574, 960-968.	3.9	30
26	In Situ Dynamics of F-Specific RNA Bacteriophages in a Small River: New Way to Assess Viral Propagation in Water Quality Studies. <i>Food and Environmental Virology</i> , 2017, 9, 89-102.	1.5	17
27	Rapid and sensitive method to assess human viral pollution in shellfish using infectious F-specific RNA bacteriophages: Application to marketed products. <i>Food Microbiology</i> , 2017, 63, 248-254.	2.1	13
28	Removal of model viruses, E. coli and Cryptosporidium oocysts from surface water by zirconium and chitosan coagulants. <i>Journal of Water and Health</i> , 2017, 15, 695-705.	1.1	9
29	The Effect of Heat and Free Chlorine Treatments on the Surface Properties of Murine Norovirus. <i>Food and Environmental Virology</i> , 2017, 9, 149-158.	1.5	17
30	Contribution of hydrological data to the understanding of the spatio-temporal dynamics of F-specific RNA bacteriophages in river water during rainfall-runoff events. <i>Water Research</i> , 2016, 94, 328-340.	5.3	27
31	Relevance of F-Specific RNA Bacteriophages in Assessing Human Norovirus Risk in Shellfish and Environmental Waters. <i>Applied and Environmental Microbiology</i> , 2016, 82, 5709-5719.	1.4	24
32	Impact of reducing and oxidizing agents on the infectivity of Q β phage and the overall structure of its capsid. <i>FEMS Microbiology Ecology</i> , 2016, 92, fiw153.	1.3	17
33	The Effect of Heat on the Physicochemical Properties of Bacteriophage MS2. <i>Food and Environmental Virology</i> , 2016, 8, 251-261.	1.5	34
34	Isoelectric point is an inadequate descriptor of MS2, Phi X 174 and PRD1 phages adhesion on abiotic surfaces. <i>Journal of Colloid and Interface Science</i> , 2015, 446, 327-334.	5.0	81
35	Rapid, simple and efficient method for detection of viral genomes on raspberries. <i>Journal of Virological Methods</i> , 2015, 224, 95-101.	1.0	21
36	Occurrence of and Sequence Variation among F-Specific RNA Bacteriophage Subgroups in Feces and Wastewater of Urban and Animal Origins. <i>Applied and Environmental Microbiology</i> , 2015, 81, 6505-6515.	1.4	35

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37	Distinct adsorption kinetics of Q β and GA bacteriophages on drinking water biofilms. <i>Adsorption</i> , 2014, 20, 823-828.	1.4	5
38	Two-day detection of infectious enteric and non-enteric adenoviruses by improved ICC-qPCR. <i>Applied Microbiology and Biotechnology</i> , 2013, 97, 4159-4166.	1.7	18
39	Adhesion of human pathogenic enteric viruses and surrogate viruses to inert and vegetal food surfaces. <i>Food Microbiology</i> , 2012, 32, 48-56.	2.1	39
40	Accumulation of MS2, GA, and Q β phages on high density polyethylene (HDPE) and drinking water biofilms under flow/non-flow conditions. <i>Water Research</i> , 2012, 46, 6574-6584.	5.3	15
41	Removal of MS2, Q β and GA bacteriophages during drinking water treatment at pilot scale. <i>Water Research</i> , 2012, 46, 2651-2664.	5.3	89
42	Surveillance of adenoviruses and noroviruses in European recreational waters. <i>Water Research</i> , 2011, 45, 1025-1038.	5.3	231
43	Occurrence, Survival, and Persistence of Human Adenoviruses and F-Specific RNA Phages in Raw Groundwater. <i>Applied and Environmental Microbiology</i> , 2010, 76, 8019-8025.	1.4	103
44	Efficiency of MS2 phage and Q β phage removal by membrane filtration in water treatment: Applicability of real-time RT-PCR method. <i>Journal of Membrane Science</i> , 2009, 326, 111-116.	4.1	82
45	Relationship between F-specific RNA phage genogroups, faecal pollution indicators and human adenoviruses in river water. <i>Water Research</i> , 2009, 43, 1257-1264.	5.3	69
46	Occurrence and persistence of enteroviruses, noroviruses and F-specific RNA phages in natural wastewater biofilms. <i>Water Research</i> , 2009, 43, 4780-4789.	5.3	62
47	Impact of Chemical and Structural Anisotropy on the Electrophoretic Mobility of Spherical Soft Multilayer Particles: The Case of Bacteriophage MS2. <i>Biophysical Journal</i> , 2008, 94, 3293-3312.	0.2	126
48	Aggregation and surface properties of F-specific RNA phages: Implication for membrane filtration processes. <i>Water Research</i> , 2008, 42, 2769-2777.	5.3	145
49	Interactions of <i>Cryptosporidium parvum</i> , <i>Giardia lamblia</i> , Vaccinal Poliovirus Type 1, and Bacteriophages ϕ X174 and MS2 with a Drinking Water Biofilm and a Wastewater Biofilm. <i>Applied and Environmental Microbiology</i> , 2008, 74, 2079-2088.	1.4	83
50	Development of real-time RT-PCR methods for specific detection of F-specific RNA bacteriophage genogroups: Application to urban raw wastewater. <i>Journal of Virological Methods</i> , 2006, 138, 131-139.	1.0	101
51	Inactivation of Poliovirus 1 and F-Specific RNA Phages and Degradation of Their Genomes by UV Irradiation at 254 Nanometers. <i>Applied and Environmental Microbiology</i> , 2006, 72, 7671-7677.	1.4	116
52	Integrated Analysis of Established and Novel Microbial and Chemical Methods for Microbial Source Tracking. <i>Applied and Environmental Microbiology</i> , 2006, 72, 5915-5926.	1.4	145
53	Method for Isolation of Bacteroides Bacteriophage Host Strains Suitable for Tracking Sources of Fecal Pollution in Water. <i>Applied and Environmental Microbiology</i> , 2005, 71, 5659-5662.	1.4	83
54	Adhesion-Aggregation and Inactivation of Poliovirus 1 in Groundwater Stored in a Hydrophobic Container. <i>Applied and Environmental Microbiology</i> , 2005, 71, 912-920.	1.4	52

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55	Improved specificity for Giardia lamblia cyst quantification in wastewater by development of a real-time PCR method. Journal of Microbiological Methods, 2004, 57, 41-53.	0.7	53
56	Tracking the origin of faecal pollution in surface water: an ongoing project within the European Union research programme. Journal of Water and Health, 2004, 2, 249-60.	1.1	12
57	Presence of Viral Genomes in Mineral Water: a Sufficient Condition To Assume Infectious Risk?. Applied and Environmental Microbiology, 2003, 69, 3965-3969.	1.4	87
58	Bacteroides fragilis and Escherichia coli bacteriophages in human faeces. International Journal of Hygiene and Environmental Health, 2002, 205, 325-328.	2.1	26
59	Poliovirus adsorption onto and desorption from montmorillonite in seawater. Survival of the adsorbed virus. Environmental Technology (United Kingdom), 1994, 15, 271-278.	1.2	24