Rosina Girones

List of Publications by Year
in descending order

142 papers	10,239 citations	30070 54 h-index	37204 96 g-index
152 all docs	152 docs citations	152 times ranked	7588 citing authors

#	Article	IF	Citations
1	Viral Pollution in the Environment and in Shellfish: Human Adenovirus Detection by PCR as an Index of Human Viruses. Applied and Environmental Microbiology, 1998, 64, 3376-3382.	3.1	396
2	The woodchuck hepatitis virus X gene is important for establishment of virus infection in woodchucks. Journal of Virology, 1993, 67, 1218-1226.	3.4	361
3	Molecular detection of pathogens in water â€" The pros and cons of molecular techniques. Water Research, 2010, 44, 4325-4339.	11.3	344
4	Wastewater-Based Epidemiology: Global Collaborative to Maximize Contributions in the Fight Against COVID-19. Environmental Science & Technology, 2020, 54, 7754-7757.	10.0	337
5	Detection of adenoviruses and enteroviruses in polluted waters by nested PCR amplification. Applied and Environmental Microbiology, 1994, 60, 2963-2970.	3.1	290
6	Environmental Factors Influencing Human Viral Pathogens and Their Potential Indicator Organisms in the Blue Mussel, Mytilus edulis : the First Scandinavian Report. Applied and Environmental Microbiology, 2002, 68, 4523-4533.	3.1	277
7	Polymerase chain reaction for detection of adenoviruses in stool samples. Journal of Clinical Microbiology, 1990, 28, 2659-2667.	3.9	274
8	Quantification and Stability of Human Adenoviruses and Polyomavirus JCPyV in Wastewater Matrices. Applied and Environmental Microbiology, 2006, 72, 7894-7896.	3.1	267
9	Hepatitis E Virus Epidemiology in Industrialized Countries. Emerging Infectious Diseases, 2003, 9, 448-454.	4.3	263
10	Raw Sewage Harbors Diverse Viral Populations. MBio, 2011, 2, .	4.1	257
11	Virus hazards from food, water and other contaminated environments. FEMS Microbiology Reviews, 2012, 36, 786-814.	8.6	250
12	Documenting the Epidemiologic Patterns of Polyomaviruses in Human Populations by Studying Their Presence in Urban Sewage. Applied and Environmental Microbiology, 2000, 66, 238-245.	3.1	243
13	Surveillance of adenoviruses and noroviruses in European recreational waters. Water Research, 2011, 45, 1025-1038.	11.3	231
14	Listeria monocytogenes contamination of readyâ€toâ€eat foods and the risk for human health in the EU. EFSA Journal, 2018, 16, e05134.	1.8	217
15	HEV identified in serum from humans with acute hepatitis and in sewage of animal origin in Spain. Journal of Hepatology, 2000, 33, 826-833.	3.7	215
16	Distribution of Human Virus Contamination in Shellfish from Different Growing Areas in Greece, Spain, Sweden, and the United Kingdom. Applied and Environmental Microbiology, 2002, 68, 5990-5998.	3.1	176
17	Potential Transmission of Human Polyomaviruses through the Gastrointestinal Tract after Exposure to Virions or Viral DNA. Journal of Virology, 2001, 75, 10290-10299.	3.4	175
18	Identification of Human and Animal Adenoviruses and Polyomaviruses for Determination of Sources of Fecal Contamination in the Environment. Applied and Environmental Microbiology, 2006, 72, 7886-7893.	3.1	148

#	Article	IF	Citations
19	Analysis of adenoviruses and polyomaviruses quantified by qPCR as indicators of water quality in source and drinking-water treatment plants. Water Research, 2009, 43, 2011-2019.	11.3	143
20	Mutation rate of the hepadnavirus genome. Virology, 1989, 170, 595-597.	2.4	142
21	Making waves: Wastewater surveillance of SARS-CoV-2 for population-based health management. Water Research, 2020, 184, 116181.	11.3	138
22	Characterization of a Strain of Infectious Hepatitis E Virus Isolated from Sewage in an Area where Hepatitis E Is Not Endemic. Applied and Environmental Microbiology, 1998, 64, 4485-4488.	3.1	133
23	Development and application of a one-step low cost procedure to concentrate viruses from seawater samples. Journal of Virological Methods, 2008, 153, 79-83.	2.1	127
24	Distribution of Human Polyoma- viruses, Adenoviruses, and Hepatitis E Virus in the Environment and in a Drinking-Water Treatment Plant. Environmental Science & Technology, 2006, 40, 7416-7422.	10.0	121
25	Metagenomics for the study of viruses in urban sewage as a tool for public health surveillance. Science of the Total Environment, 2018, 618, 870-880.	8.0	116
26	Klassevirus 1, a previously undescribed member of the family Picornaviridae, is globally widespread. Virology Journal, 2009, 6, 86.	3.4	113
27	Evaluation of Methods for the Concentration and Extraction of Viruses from Sewage in the Context of Metagenomic Sequencing. PLoS ONE, 2017, 12, e0170199.	2.5	107
28	Evidence for the presence of hepatitis E virus in pigs in the United Kingdom. Veterinary Record, 2004, 154, 223-227.	0.3	104
29	Compact organization of the hepatitis B virus genome. Hepatology, 1989, 9, 322-327.	7.3	102
30	Genotypes of JC virus in East, Central and Southwest Europe. Journal of General Virology, 2001, 82, 1221-1331.	2.9	102
31	Evaluation of Potential Indicators of Viral Contamination in Shellfish and Their Applicability to Diverse Geographical Areas. Applied and Environmental Microbiology, 2003, 69, 1556-1563.	3.1	100
32	Application of human and animal viral microbial source tracking tools in fresh and marine waters from five different geographical areas. Water Research, 2014, 59, 119-129.	11.3	97
33	Public health risks associated with hepatitis E virus (HEV) as a foodâ€borne pathogen. EFSA Journal, 2017, 15, e04886.	1.8	97
34	Detection of Bovine and Porcine Adenoviruses for Tracing the Source of Fecal Contamination. Applied and Environmental Microbiology, 2004, 70, 1448-1454.	3.1	95
35	Sporadic cases of acute autochthonous hepatitis E in Spain. Journal of Hepatology, 2004, 41, 126-131.	3.7	93
36	Comparison of methods for concentrating human adenoviruses, polyomavirus JC and noroviruses in source waters and drinking water using quantitative PCR. Journal of Virological Methods, 2009, 158, 104-109.	2.1	93

#	Article	IF	Citations
37	Detection and quantification of classic and emerging viruses by skimmed-milk flocculation and PCR in river water from two geographical areas. Water Research, 2013, 47, 2797-2810.	11.3	92
38	New methods for the concentration of viruses from urban sewage using quantitative PCR. Journal of Virological Methods, 2013, 187, 215-221.	2.1	87
39	Development of a qPCR assay for the quantification of porcine adenoviruses as an MST tool for swine fecal contamination in the environment. Journal of Virological Methods, 2009, 158, 130-135.	2.1	86
40	Evaluation of Bacteroides fragilis Bacteriophages as Indicators of the Virological Quality of Water. Water Science and Technology, 1986, 18, 167-173.	2.5	85
41	Genetic analysis of hepatitis A virus strains recovered from the environment and from patients with acute hepatitis. Journal of General Virology, 2001, 82, 2955-2963.	2.9	80
42	Phylogenetic Demonstration of Hepatitis E Infection Transmitted by Pork Meat Ingestion. Journal of Clinical Gastroenterology, 2015, 49, 165-168.	2.2	80
43	Comparative analysis of viral pathogens and potential indicators in shellfish. International Journal of Food Microbiology, 2003, 83, 75-85.	4.7	78
44	Central role of JC virus-specific CD4+ lymphocytes in progressive multi-focal leucoencephalopathy-immune reconstitution inflammatory syndrome. Brain, 2011, 134, 2687-2702.	7.6	78
45	Concentration methods for the quantification of coronavirus and other potentially pandemic enveloped virus from wastewater. Current Opinion in Environmental Science and Health, 2020, 17, 21-28.	4.1	78
46	Newly described human polyomaviruses Merkel Cell, KI and WU are present in urban sewage and may represent potential environmental contaminants. Virology Journal, 2010, 7, 141.	3.4	74
47	Complete nucleotide sequence of a molecular clone of woodchuck hepatitis virus that is infectious in the natural host.. Proceedings of the National Academy of Sciences of the United States of America, 1989, 86, 1846-1849.	7.1	70
48	COVID-19: urgent actions, critical reflections and future relevance of â€˜WaSHâ€™: lessons for the current and future pandemics. Journal of Water and Health, 2020, 18, 613-630.	2.6	70
49	Analysis of the evolution in the circulation of HAV and HEV in Eastern Spain by testing urban sewage samples. Journal of Water and Health, 2010, 8, 346-354.	2.6	66
50	Treating Progressive Multifocal Leukoencephalopathy With Interleukin 7 and Vaccination With JC Virus Capsid Protein VP1. Clinical Infectious Diseases, 2014, 59, 1588-1592.	5.8	64
51	Evaluation of two rapid ultrafiltration-based methods for SARS-CoV-2 concentration from wastewater. Science of the Total Environment, 2021, 768, 144786.	8.0	64
52	Nested multiplex PCR assay for detection of human enteric viruses in shellfish and sewage. Journal of Virological Methods, 2005, 125, 111-118.	2.1	61
53	Occurrence of human-associated Bacteroidetes genetic source tracking markers in raw and treated wastewater of municipal and domestic origin and comparison to standard and alternative indicators of faecal pollution. Water Research, 2016, 90, 265-276.	11.3	59
54	Characterisation of the sewage virome: comparison of NGS tools and occurrence of significant pathogens. Science of the Total Environment, 2020, 713, 136604.	8.0	58

#	Article	IF	Citations
55	Development of a quantitative PCR assay for the quantitation of bovine polyomavirus as a microbial source-tracking tool. Journal of Virological Methods, 2010, 163, 385-389.	2.1	57
56	Quantification of Human and Animal Viruses to Differentiate the Origin of the Fecal Contamination Present in Environmental Samples. BioMed Research International, 2013, 2013, 1-11.	1.9	56
57	Role of the Environment in the Transmission of JC Virus. Journal of NeuroVirology, 2003, 9, 54-58.	2.1	53
58	Quantitative risk assessment of norovirus and adenovirus for the use of reclaimed water to irrigate lettuce in Catalonia. Water Research, 2019, 153, 91-99.	11.3	52
59	Detection and quantitation of infectious human adenoviruses and JC polyomaviruses in water by immunofluorescence assay. Journal of Virological Methods, 2011, 171, 1-7.	2.1	51
60	Evidence of viral dissemination and seasonality in a Mediterranean river catchment: Implications for water pollution management. Journal of Environmental Management, 2015, 159, 58-67.	7.8	51
61	Update of the list of QPSâ€recommended biological agents intentionally added to food or feed as notified to EFSA 7: suitability of taxonomic units notified to EFSA until September 2017. EFSA Journal, 2018, 16, e05131.	1.8	51
62	Quantification of Human Adenoviruses in European Recreational Waters. Food and Environmental Virology, 2010, 2, 101-109.	3.4	50
63	Standard and new faecal indicators and pathogens in sewage treatment plants, microbiological parameters for improving the control of reclaimed water. Water Science and Technology, 2012, 66, 2517-2523.	2.5	49
64	<scp>HIV</scp>, <scp>HEV</scp> and cirrhosis: evidence of a possible link from eastern Spain. HIV Medicine, 2012, 13, 379-383.	2.2	49
65	Monitoring waves of the COVID-19 pandemic: Inferences from WWTPs of different sizes. Science of the Total Environment, 2021, 787, 147463.	8.0	47
66	Viral contamination of shellfish: evaluation of methods and analysis of bacteriophages and human viruses. Journal of Virological Methods, 2000, 89, 109-118.	2.1	45
67	Depuration dynamics of viruses in shellfish. International Journal of Food Microbiology, 2002, 77, 125-133.	4.7	45
68	Microbiological contamination of conventional and reclaimed irrigation water: Evaluation and management measures. Science of the Total Environment, 2020, 710, 136298.	8.0	45
69	Excretion and transmission of JCV in human populations. Journal of NeuroVirology, 2001, 7, 345-349.	2.1	44
70	UVC Inactivation of dsDNA and ssRNA Viruses in Water: UV Fluences and a qPCR-Based Approach to Evaluate Decay on Viral Infectivity. Food and Environmental Virology, 2014, 6, 260-268.	3.4	44
71	Update of the list of QPSâ€recommended biological agents intentionally added to food or feed as notified to EFSA 8: suitability of taxonomic units notified to EFSA until March 2018. EFSA Journal, 2018, 16, e05315.	1.8	43
72	Molecular detection, quantification and characterization of human polyomavirus JC from waste water in Rio De Janeiro, Brazil. Journal of Water and Health, 2010, 8, 438-445.	2.6	42

#	Article	IF	Citations
73	Hepatitis E virus genotype 3 and sporadically also genotype 1 circulate in the population of Catalonia, Spain. Journal of Water and Health, 2009, 7, 664-673.	2.6	41
74	Relationships between human adenoviruses and faecal indicator organisms in European recreational waters. Water Research, 2012, 46, 4130-4141.	11.3	40
75	Isolation of marine bacteria with antiviral properties. Canadian Journal of Microbiology, 1989, 35, 1015-1021.	1.7	39
76	Analysis of the Excreted JC Virus Strains and Their Potential Oral Transmission. Journal of NeuroVirology, 2003, 9, 498-507.	2.1	39
77	Comparative Inactivation of Murine Norovirus, Human Adenovirus, and Human JC Polyomavirus by Chlorine in Seawater. Applied and Environmental Microbiology, 2012, 78, 6450-6457.	3.1	38
78	Quito's virome: Metagenomic analysis of viral diversity in urban streams of Ecuador's capital city. Science of the Total Environment, 2018, 645, 1334-1343.	8.0	38
79	Natural Inactivation of Enteric Viruses in Seawater. Journal of Environmental Quality, 1989, 18, 34-39.	2.0	37
80	Characterization of the efficiency and uncertainty of skimmed milk flocculation for the simultaneous concentration and quantification of water-borne viruses, bacteria and protozoa. Journal of Microbiological Methods, 2017, 134, 46-53.	1.6	37
81	Evidence against a requisite role for defective virus in the establishment of persistent hepadnavirus infections.. Proceedings of the National Academy of Sciences of the United States of America, 1990, 87, 9329-9332.	7.1	36
82	Detection of Novel Sequences Related to African Swine Fever Virus in Human Serum and Sewage. Journal of Virology, 2009, 83, 13019-13025.	3.4	36
83	Abundance, morphology and distribution of planktonic virus-like particles in two high-mountain lakes. Journal of Plankton Research, 1998, 20, 2413-2421.	1.8	34
84	Occurrence of water-borne enteric viruses in two settlements based in Eastern Chad: analysis of hepatitis E virus, hepatitis A virus and human adenovirus in water sources. Journal of Water and Health, 2011, 9, 515-524.	2.6	34
85	Chlorine inactivation of hepatitis E virus and human adenovirus 2 in water. Journal of Water and Health, 2014, 12, 436-442.	2.6	34
86	Health risks derived from consumption of lettuces irrigated with tertiary effluent containing norovirus. Food Research International, 2015, 68, 70-77.	6.2	33
87	A metagenomic assessment of viral contamination on fresh parsley plants irrigated with fecally tainted river water. International Journal of Food Microbiology, 2017, 257, 80-90.	4.7	31
88	Genomic structure of phage B40-8 of Bacteroides fragilis. Microbiology (United Kingdom), 1999, 145, 1661-1670.	1.8	30
89	Gastroenteric virus dissemination and influence of rainfall events in urban beaches in Brazil. Journal of Applied Microbiology, 2014, 117, 1210-1218.	3.1	30
90	Metagenomic analysis of viruses, bacteria and protozoa in irrigation water. International Journal of Hygiene and Environmental Health, 2020, 224, 113440.	4.3	29

#	Article	IF	Citations
91	Application of PCR to the Detection of Adenoviruses in Polluted Waters. Water Science and Technology, 1993, 27, 235-241.	2.5	29
92	A Novel Tool for Specific Detection and Quantification of Chicken/Turkey Parvoviruses To Trace Poultry Fecal Contamination in the Environment. Applied and Environmental Microbiology, 2012, 78, 7496-7499.	3.1	28
93	Adenovirus and Norovirus Contaminants in Commercially Distributed Shellfish. Food and Environmental Virology, 2014, 6, 31-41.	3.4	27
94	Evaluation of the microbiological quality of reclaimed water produced from a lagooning system. Environmental Science and Pollution Research, 2016, 23, 16816-16833.	5.3	27
95	Removal of indigenous coliphages and enteric viruses during riverbank filtration from highly polluted river water in Delhi (India). Journal of Water and Health, 2014, 12, 332-342.	2.6	26
96	Detection and survival of prion agents in aquatic environments. Water Research, 2008, 42, 2465-2472.	11.3	25
97	Environmental Effectors on the Inactivation of Human Adenoviruses in Water. Food and Environmental Virology, 2013, 5, 203-214.	3.4	24
98	Effect of temperature and sunlight on the stability of human adenoviruses and MS2 as fecal contaminants on fresh produce surfaces. International Journal of Food Microbiology, 2013, 164, 128-134.	4.7	23
99	Occurrence of enteroviruses in marine sediment along the coast of Barcelona, Spain. Canadian Journal of Microbiology, 1988, 34, 921-924.	1.7	22
100	Persistence of the bovine spongiform encephalopathy infectious agent in sewage. Environmental Research, 2012, 117, 1-7.	7.5	21
101	T Cell Epitope Mapping of JC Polyoma Virus-Encoded Proteome Reveals Reduced T Cell Responses in HLA-DRB1*04:01 ⁺ Donors. Journal of Virology, 2013, 87, 3393-3408.	3.4	20
102	Multicenter Collaborative Trial Evaluation of a Method for Detection of Human Adenoviruses in Berry Fruit. Food Analytical Methods, 2012, 5, 1-7.	2.6	19
103	Detection of adenovirus and enterovirus by PCR amplification in polluted waters. Water Science and Technology, 1995, 31, 351.	2.5	18
104	High Prevalence of Rotavirus A in Raw Sewage Samples from Northeast Spain. Viruses, 2020, 12, 318.	3.3	17
105	Detection of adenovirus and enterovirus by PCR amplification in polluted waters. Water Science and Technology, 1995, 31, 351-357.	2.5	17
106	Artificial Neural Network Prediction of Viruses in Shellfish. Applied and Environmental Microbiology, 2005, 71, 5244-5253.	3.1	16
107	Isolation of SV40 from the environment of a colony of cynomolgus monkeys naturally infected with the virus. Virology, 2004, 330, 1-7.	2.4	14
108	Excretion of BSE and scrapie prions in stools from murine models. Veterinary Microbiology, 2008, 131, 205-211.	1.9	14

#	Article	IF	Citations
109	Scientific opinion on chronic wasting disease (II). EFSA Journal, 2018, 16, e05132.	1.8	14
110	Exploring the diversity of coronavirus in sewage during COVID-19 pandemic: Don't miss the forest for the trees. Science of the Total Environment, 2021, 800, 149562.	8.0	14
111	The Priority position paper: Protecting Europe's food chain from prions. Prion, 2016, 10, 165-181.	1.8	13
112	Bovine spongiform encephalopathy (BSE) cases born after the total feed ban. EFSA Journal, 2017, 15, e04885.	1.8	13
113	An assessment of the long-term persistence of prion infectivity in aquatic environments. Environmental Research, 2016, 151, 587-594.	7.5	12
114	NGS Techniques Reveal a High Diversity of RNA Viral Pathogens and Papillomaviruses in Fresh Produce and Irrigation Water. Foods, 2021, 10, 1820.	4.3	12
115	Description of a novel viral tool to identify and quantify ovine faecal pollution in the environment. Science of the Total Environment, 2013, 458-460, 355-360.	8.0	11
116	Development of improved low-cost ceramic water filters for viral removal in the Haitian context. Journal of Water Sanitation and Hygiene for Development, 2015, 5, 28-38.	1.8	11
117	Unveiling Viruses Associated with Gastroenteritis Using a Metagenomics Approach. Viruses, 2020, 12, 1432.	3.3	11
118	Detection of phages infecting Bacteroides fragilis HSP40 using a specific DNA probe. Journal of Virological Methods, 2000, 88, 163-173.	2.1	10
119	Guidance on the requirements for the development of microbiological criteria. EFSA Journal, 2017, 15, e05052.	1.8	10
120	Identification of sapovirus GV.2, astrovirus VA3 and novel anelloviruses in serum from patients with acute hepatitis of unknown aetiology. PLoS ONE, 2017, 12, e0185911.	2.5	10
121	Isolation of a novel monkey adenovirus reveals a new phylogenetic clade in the evolutionary history of simian adenoviruses. Virology Journal, 2011, 8, 125.	3.4	9
122	Occurrence of pathogens in the riverâ€“groundwater interface in a losing river stretch (BesÃ²s River) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	8.0	9
123	COVID-19: urgent actions, critical reflections and future relevance of â€˜WaSHâ€™: lessons for the current and future pandemics. Journal of Water Sanitation and Hygiene for Development, 2020, 10, 379-396.	1.8	9
124	Summary of Excreted and Waterborne Viruses. , 0, , .		9
125	Description of a DNA amplification procedure for the detection of bacteriophages of Bacteroides fragilis HSP40 in environmental samples. Journal of Virological Methods, 2000, 89, 159-166.	2.1	8
126	Updated quantitative risk assessment (QRA) of the BSE risk posed by processed animal protein (PAP). EFSA Journal, 2018, 16, e05314.	1.8	8

#	Article	IF	Citations
127	Cost-effective Method for Microbial Source Tracking Using Specific Human and Animal Viruses. Journal of Visualized Experiments, 2011, , .	0.3	7
128	Virus indicators for food and water. , 2013, , 483-509.		7
129	Evaluation of the application for a new alternative processing method for animal byâ€products of Category 3 material (ChainCraft B.V.). EFSA Journal, 2018, 16, e05281.	1.8	7
130	Assessing the presence of BSE and scrapie in slaughterhouse wastewater. Journal of Applied Microbiology, 2008, 105, 1649-1657.	3.1	6
131	Infrequent detection of hepatitis E virus RNA in pregnant women with hepatitis E virus antibodies in Spain. Liver International, 2010, 30, 1549-1551.	3.9	6
132	Probing Norwalk-like virus presence in shellfish, using artificial neural networks. Water Science and Technology, 2004, 50, 125-129.	2.5	5
133	Looking for a needle in a haystack. SARS-CoV-2 variant characterization in sewage. Current Opinion in Environmental Science and Health, 2021, 24, 100308.	4.1	5
134	Genome Sequence of a Cynomolgus Macaque Adenovirus (CynAdV-1) Isolate from a Primate Colony in the United Kingdom. Genome Announcements, 2016, 4, .	0.8	4
135	Transmission Sources of Waterborne Viruses in South Sudan Refugee Camps. Clean - Soil, Air, Water, 2016, 44, 775-780.	1.1	4
136	1257 IS LIVER CIRRHOSIS ASSOCIATED WITH INCREASED SUSCEPTIBILITY TO INFECTION BY HEPATITIS E VIRUS?. Journal of Hepatology, 2011, 54, S496.	3.7	1
137	Analysis of the Excreted JC Virus Strains and Their Potential Oral Transmission. Journal of NeuroVirology, 2003, 9, 498-507.	2.1	1
138	Cost-Effective Applications of Human and Animal Viruses as Microbial Source-Tracking Tools in Surface Waters and Growdwater. Special Publication - Royal Society of Chemistry, 2012, , 90-101.	0.0	1
139	Probing Norwalk-like virus presence in shellfish, using artificial neural networks. Water Science and Technology, 2004, 50, 125-9.	2.5	1
140	Erratum to â€œQuantification of Human and Animal Viruses to Differentiate the Origin of the Fecal Contamination Present in Environmental Samplesâ€• BioMed Research International, 2014, 2014, 1-2.	1.9	0
141	Specific Viruses Present in Polluted Groundwater Are Indicative of the Source of Nitrates and Faecal Contamination in Agricultural Areas. Handbook of Environmental Chemistry, 2015, , 1-24.	0.4	0
142	VirWaTest, A Point-of-Use Method for the Detection of Viruses in Water Samples. Journal of Visualized Experiments, 2019, , .	0.3	0