Giuseppina La Rosa

List of Publications by Year
in descending order

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Version: 2024-02-01

114 papers	5,109 citations	109137 35 h-index	110170 64 g-index
126 all docs	126 docs citations	126 times ranked	5687 citing authors

#	Article	IF	Citations
1	First detection of SARS-CoV-2 in untreated wastewaters in Italy. Science of the Total Environment, 2020, 736, 139652.	3.9	600
2	Coronavirus in water environments: Occurrence, persistence and concentration methods - A scoping review. Water Research, 2020, 179, 115899.	5.3	378
3	Wastewater-Based Epidemiology: Global Collaborative to Maximize Contributions in the Fight Against COVID-19. Environmental Science & Technology, 2020, 54, 7754-7757.	4.6	337
4	SARS-CoV-2 from faeces to wastewater treatment: What do we know? A review. Science of the Total Environment, 2020, 743, 140444.	3.9	321
5	SARS-CoV-2 has been circulating in northern Italy since December 2019: Evidence from environmental monitoring. Science of the Total Environment, 2021, 750, 141711.	3.9	253
6	Minimizing errors in RT-PCR detection and quantification of SARS-CoV-2 RNA for wastewater surveillance. Science of the Total Environment, 2022, 805, 149877.	3.9	153
7	Quantitative real-time PCR of enteric viruses in influent and effluent samples from wastewater treatment plants in Italy. Annali Dell'Istituto Superiore Di Sanita, 2010, 46, 266-73.	0.2	98
8	Rapid screening for SARS-CoV-2 variants of concern in clinical and environmental samples using nested RT-PCR assays targeting key mutations of the spike protein. Water Research, 2021, 197, 117104.	5.3	92
9	Emerging and potentially emerging viruses in water environments. Annali Dell'Istituto Superiore Di Sanita, 2012, 48, 397-406.	0.2	88
10	Viral infections acquired indoors through airborne, droplet or contact transmission. Annali Dell'Istituto Superiore Di Sanita, 2013, 49, 124-32.	0.2	84
11	Minimization of spreading of SARS-CoV-2 via household waste produced by subjects affected by COVID-19 or in quarantine. Science of the Total Environment, 2020, 743, 140803.	3.9	78
12	High prevalence of anti-hepatitis E virus antibodies among blood donors in central Italy, February to March 2014. Eurosurveillance, 2016, 21, .	3.9	68
13	Molecular Detection of Hepatitis E Virus in Sewage Samples. Applied and Environmental Microbiology, 2010, 76, 5870-5873.	1.4	66
14	Surveillance of hepatitis A virus in urban sewages and comparison with cases notified in the course of an outbreak, Italy 2013. BMC Infectious Diseases, 2014, 14, 419.	1.3	66
15	Hepatitis A and E Viruses in Wastewaters, in River Waters, and in Bivalve Molluscs in Italy. Food and Environmental Virology, 2015, 7, 316-324.	1.5	66
16	Molecular Identification and Genetic Analysis of Norovirus Genogroups I and II in Water Environments: Comparative Analysis of Different Reverse Transcription-PCR Assays. Applied and Environmental Microbiology, 2007, 73, 4152-4161.	1.4	63
17	One-year Surveillance of Human Enteric Viruses in Raw and Treated Wastewaters, Downstream River Waters, and Drinking Waters. Food and Environmental Virology, 2017, 9, 79-88.	1.5	62
18	Detection of genogroup IV noroviruses in environmental and clinical samples and partial sequencing through rapid amplification of cDNA ends. Archives of Virology, 2008, 153, 2077-2083.	0.9	59

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19	Hepatitis E virus in Italy: molecular analysis of travel-related and autochthonous cases. Journal of General Virology, 2011, 92, 1617-1626.	1.3	57
20	A Review and Update on Waterborne Viral Diseases Associated with Swimming Pools. International Journal of Environmental Research and Public Health, 2019, 16, 166.	1.2	56
21	Molecular characterization of human enteric viruses in food, water samples, and surface swabs in Sicily. International Journal of Infectious Diseases, 2019, 80, 66-72.	1.5	54
22	Quantification of Human Adenoviruses in European Recreational Waters. Food and Environmental Virology, 2010, 2, 101-109.	1.5	50
23	Molecular characterization of human adenoviruses in urban wastewaters using next generation and Sanger sequencing. Water Research, 2017, 121, 240-247.	5.3	48
24	First Detection of Hepatitis E Virus in Shellfish and in Seawater from Production Areas in Southern Italy. Food and Environmental Virology, 2018, 10, 127-131.	1.5	48
25	Detection and molecular characterization of noroviruses from five sewage treatment plants in central Italy. Water Research, 2010, 44, 1777-1784.	5.3	47
26	A State-of-the-Art Scoping Review on SARS-CoV-2 in Sewage Focusing on the Potential of Wastewater Surveillance for the Monitoring of the COVID-19 Pandemic. Food and Environmental Virology, 2022, 14, 315-354.	1.5	47
27	Detection of Hepatitis A Virus and Other Enteric Viruses in Shellfish Collected in the Gulf of Naples, Italy. International Journal of Environmental Research and Public Health, 2019, 16, 2588.	1.2	46
28	Rifampicin-resistant meningococci causing invasive disease: detection of point mutations in the rpoB gene and molecular characterization of the strains. Journal of Antimicrobial Chemotherapy, 2001, 47, 219-222.	1.3	42
29	Validation of RT-PCR Assays for Molecular Characterization of Porcine Teschoviruses and Enteroviruses. Zoonoses and Public Health, 2006, 53, 257-265.	1.4	42
30	Human health risk assessment for the occurrence of enteric viruses in drinking water from wells: Role of flood runoff injections. Science of the Total Environment, 2019, 666, 559-571.	3.9	42
31	The impact of anthropogenic pressure on the virological quality of water from the Tiber River, Italy. Letters in Applied Microbiology, 2017, 65, 298-305.	1.0	41
32	CrAssphage abundance and correlation with molecular viral markers in Italian wastewater. Water Research, 2020, 184, 116161.	5.3	41
33	Enteric virus detection in Adriatic seawater by cell culture, polymerase chain reaction and polyacrylamide gel electrophoresis. Water Research, 1997, 31, 1980-1984.	5.3	38
34	Quantification and genetic diversity of Hepatitis E virus in wild boar (Sus scrofa) hunted for domestic consumption in Central Italy. Food Microbiology, 2019, 82, 194-201.	2.1	38
35	A new RT-PCR method for the identification of reoviruses in seawater samples. Water Research, 2001, 35, 548-556.	5.3	37
36	An outbreak of aseptic meningitis due to echovirus 30 associated with attending school and swimming in pools. International Journal of Infectious Diseases, 2006, 10, 291-297.	1.5	37

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37	Enteric Viruses and Fecal Bacteria Indicators to Assess Groundwater Quality and Suitability for Irrigation. International Journal of Environmental Research and Public Health, 2017, 14, 558.	1.2	37
38	Detection and Quantification of Human Adenoviruses in Surface Waters by Nested PCR, TaqMan Real-Time PCR and Cell Culture Assays. Water, Air, and Soil Pollution, 2008, 191, 83-93.	1.1	34
39	GIV Noroviruses in Wastewaters and in Stool Specimens from Hospitalized Patients. Food and Environmental Virology, 2013, 5, 194-202.	1.5	34
40	The rapid spread of SARS-COV-2 Omicron variant in Italy reflected early through wastewater surveillance. Science of the Total Environment, 2022, 837, 155767.	3.9	34
41	Molecular detection and genetic diversity of norovirus genogroup IV: a yearlong monitoring of sewage throughout Italy. Archives of Virology, 2010, 155, 589-593.	0.9	32
42	Genetic Diversity of Human Adenovirus in Children with Acute Gastroenteritis, Albania, 2013â€“2015. BioMed Research International, 2015, 2015, 1-7.	0.9	32
43	Mucosal and Cutaneous Human Papillomaviruses Detected in Raw Sewages. PLoS ONE, 2013, 8, e52391.	1.1	31
44	Oncogenic Papillomavirus and Polyomavirus in Water Environments: Is There a Potential for Waterborne Transmission?. Food and Environmental Virology, 2014, 6, 1-12.	1.5	31
45	GIV noroviruses and other enteric viruses in bivalves: a preliminary study. New Microbiologica, 2012, 35, 27-34.	0.1	30
46	Frequent Detection and Genetic Diversity of Human Bocavirus in Urban Sewage Samples. Food and Environmental Virology, 2016, 8, 289-295.	1.5	29
47	Genetic Diversity Among Genogroup II Noroviruses and Progressive Emergence of GII.17 in Wastewaters in Italy (2011â€“2016) Revealed by Next-Generation and Sanger Sequencing. Food and Environmental Virology, 2018, 10, 141-150.	1.5	29
48	Hepatitis E in Italy: 5 years of national epidemiological, virological and environmental surveillance, 2012 to 2016. Eurosurveillance, 2018, 23, .	3.9	28
49	Key SARS-CoV-2 Mutations of Alpha, Gamma, and Eta Variants Detected in Urban Wastewaters in Italy by Long-Read Amplicon Sequencing Based on Nanopore Technology. Water (Switzerland), 2021, 13, 2503.	1.2	28
50	Experimental infection of calves with bovine viral diarrhoea virus type-2 (BVDV-2) isolated from a contaminated vaccine. Veterinary Research Communications, 2003, 27, 577-589.	0.6	27
51	Human bocavirus in children with acute gastroenteritis in Albania. Journal of Medical Virology, 2016, 88, 906-910.	2.5	27
52	Nine-Year Nationwide Environmental Surveillance of Hepatitis E Virus in Urban Wastewaters in Italy (2011â€“2019). International Journal of Environmental Research and Public Health, 2020, 17, 2059.	1.2	27
53	Genetic heterogeneity of bovine viral diarrhoea virus in Italy. Veterinary Research Communications, 2003, 27, 485-494.	0.6	26
54	Molecular Identification and Typing of Enteroviruses Isolated from Clinical Specimens. Journal of Clinical Microbiology, 2002, 40, 4554-4560.	1.8	25

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55	Molecular characterisation of human hepatitis E virus from Italy: comparative analysis of five reverse transcription-PCR assays. Virology Journal, 2014, 11, 72.	1.4	25
56	Serotype Distribution, Antibiotic Susceptibility, and Genetic Relatedness ofNeisseria meningitidisStrains Recently Isolated in Italy. Clinical Infectious Diseases, 2003, 36, 422-428.	2.9	23
57	Antigenic, Immunologic and Genetic Characterization of Rough Strains B.abortus RB51, B.melitensis B115 and B.melitensis B18. PLoS ONE, 2011, 6, e24073.	1.1	23
58	Detection of Norovirus GII.17 Kawasaki 2014 in Shellfish, Marine Water and Underwater Sewage Discharges in Italy. Food and Environmental Virology, 2017, 9, 326-333.	1.5	23
59	Enteric viruses, somatic coliphages and Vibrio species in marine bathing and non-bathing waters in Italy. Marine Pollution Bulletin, 2019, 149, 110570.	2.3	23
60	Molecular and biological characterization of poliovirus 3 strains isolated in adriatic seawater samples. Water Research, 1999, 33, 3204-3212.	5.3	22
61	Microbiological and 16S rRNA analysis of sulphite-reducing clostridia from river sediments in central Italy. BMC Microbiology, 2008, 8, 171.	1.3	22
62	First Detection of Human Papillomaviruses and Human Polyomaviruses in River Waters in Italy. Food and Environmental Virology, 2015, 7, 309-315.	1.5	22
63	Molecular characterization of human Sapovirus in untreated sewage in Italy by amplicon-based Sanger and next-generation sequencing. Journal of Applied Microbiology, 2019, 126, 324-331.	1.4	22
64	The wave of the SARS-CoV-2 Omicron variant resulted in a rapid spike and decline as highlighted by municipal wastewater surveillance. Environmental Technology and Innovation, 2022, 28, 102667.	3.0	22
65	Enteric viruses in a wastewater treatment plant in Rome. Water, Air, and Soil Pollution, 1996, 91, 327-334.	1.1	20
66	Sequence analysis of the genes encoding for the major virulence factors ofBacillus anthracisvaccine strain `Carbosap'. Journal of Applied Microbiology, 2002, 93, 117-121.	1.4	20
67	A large spectrum of alpha and beta papillomaviruses are detected in human stool samples. Journal of General Virology, 2015, 96, 607-613.	1.3	20
68	Qualitative and Quantitative Assessment of Hepatitis A Virus in Wastewaters in Tunisia. Food and Environmental Virology, 2014, 6, 246-252.	1.5	19
69	First detection of papillomaviruses and polyomaviruses in swimming pool waters: unrecognized recreational water-related pathogens?. Journal of Applied Microbiology, 2015, 119, 1683-1691.	1.4	19
70	Multiplex real-time RT-PCR for the simultaneous detection and quantification of GI, GII and GIV noroviruses. Journal of Virological Methods, 2015, 223, 109-114.	1.0	19
71	Wastewater-based epidemiology for early warning of SARS-COV-2 circulation: A pilot study conducted in Sicily, Italy. International Journal of Hygiene and Environmental Health, 2022, 242, 113948.	2.1	17
72	Frequent and Abundant Merkel Cell Polyomavirus Detection in Urban Wastewaters in Italy. Food and Environmental Virology, 2015, 7, 1-6.	1.5	16

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73	Hepatitis E Virus (Genotype 3) in Slurry Samples from Swine Farming Activities in Italy. Food and Environmental Virology, 2017, 9, 219-229.	1.5	16
74	Pepper Mild Mottle Virus as Indicator of Pollution: Assessment of Prevalence and Concentration in Different Water Environments in Italy. Food and Environmental Virology, 2021, 13, 117-125.	1.5	16
75	Detection of oncogenic viruses in water environments by a Luminex-based multiplex platform for high throughput screening of infectious agents. Water Research, 2017, 123, 549-555.	5.3	15
76	Evidence of Saffold virus circulation in Italy provided through environmental surveillance. Letters in Applied Microbiology, 2020, 70, 102-108.	1.0	15
77	Hepatitis E virus genotypes 1 and 3 in wastewater samples in Tunisia. Archives of Virology, 2015, 160, 183-189.	0.9	14
78	Evaluation of rapid tests for diagnosis of acute hepatitis E. Journal of Clinical Virology, 2016, 78, 4-8.	1.6	14
79	Hepatitis A Virus Strains Circulating in the Campania Region (2015â€“2018) Assessed through Bivalve Biomonitoring and Environmental Surveillance. Viruses, 2021, 13, 16.	1.5	14
80	Molecular characterization of adenovirus from clinical samples through analysis of the hexon and fiber genes. Journal of General Virology, 2011, 92, 412-420.	1.3	13
81	Detection of Human Bocavirus Species 2 and 3 in Bivalve Shellfish in Italy. Applied and Environmental Microbiology, 2018, 84, .	1.4	13
82	Innovative analytical methods for monitoring microbiological and virological water quality. Microchemical Journal, 2019, 150, 104160.	2.3	13
83	Microbiological and Chemical Assessment of Wastewater Discharged by Infiltration Trenches in Fractured and Karstified Limestone (SCA.Re.S. Project 2019â€“2020). Pathogens, 2020, 9, 1010.	1.2	13
84	Susceptibility to highly sulphated glycosaminoglycans of human immunodeficiency virus type 1 replication in peripheral blood lymphocytes and monocyte-derived macrophages cell cultures. Antiviral Research, 2003, 58, 139-147.	1.9	12
85	Genetic diversity of bacterial strains isolated from soils, contaminated with polycyclic aromatic hydrocarbons, by 16S rRNA gene sequencing and amplified fragment length polymorphism fingerprinting. Microbiological Research, 2006, 161, 150-157.	2.5	12
86	Quantification of Norovirus Genogroups I and II in Environmental and Clinical Samples Using TaqMan Real-Time RT-PCR. Food and Environmental Virology, 2009, 1, 15-22.	1.5	12
87	Molecular detection of viruses in water and sewage. , 2013, , 97-125.		12
88	Detection of SARS-CoV-2 RNA in Bivalve Molluscs by Droplet Digital RT-PCR (dd RT-PCR). International Journal of Environmental Research and Public Health, 2022, 19, 943.	1.2	12
89	Global prevalence and case fatality rate of Enterovirus D68 infections, a systematic review and meta-analysis. PLoS Neglected Tropical Diseases, 2022, 16, e0010073.	1.3	12
90	Enteric virus pollution of tyrrhenian areas. Water, Air, and Soil Pollution, 1996, 88, 261-267.	1.1	11

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91	Quantitative Microbial Risk Assessment as support for bathing waters profiling. Marine Pollution Bulletin, 2020, 157, 111318.	2.3	11
92	Potential Use of Untreated Wastewater for Assessing COVID-19 Trends in Southern Italy. International Journal of Environmental Research and Public Health, 2021, 18, 10278.	1.2	11
93	Environmental surveillance of human enteric viruses in wastewaters, groundwater, surface water and sediments of Campania Region. Regional Studies in Marine Science, 2020, 38, 101368.	0.4	10
94	Occurrence of Human Enteric Viruses in Shellfish along the Production and Distribution Chain in Sicily, Italy. Foods, 2021, 10, 1384.	1.9	10
95	Use of Polymerase Chain Reaction to Identify Brucella abortus Strain RB51 among Brucella Field Isolates from Cattle in Italy. Zoonoses and Public Health, 2001, 48, 107-113.	1.4	10
96	Microbial Air Quality in Healthcare Facilities. International Journal of Environmental Research and Public Health, 2021, 18, 6226.	1.2	9
97	SARS-CoV-2 detection in nasopharyngeal swabs: Performance characteristics of a real-time RT-qPCR and a droplet digital RT-PCR assay based on the exonuclease region (ORF1b, nsp 14). Journal of Virological Methods, 2022, 300, 114420.	1.0	9
98	Molecular characterization of human adenoviruses isolated in Italy. New Microbiologica, 2006, 29, 177-84.	0.1	9
99	Occurrence and Genetic Diversity of Human Cosavirus in Sewage in Italy. Food and Environmental Virology, 2018, 10, 386-390.	1.5	8
100	Comprehensive analysis of Î²â€•and Î³â€•human papillomaviruses in actinic keratosis and apparently healthy skin of elderly patients. British Journal of Dermatology, 2019, 181, 620-622.	1.4	8
101	Comparison of cDNA probe hybridizations and RT-PCR detection methods for the identification and differentiation of enteroviruses isolated from sea water samples. Water Research, 1995, 29, 1309-1316.	5.3	7
102	Molecular analysis of poliovirus 3 isolated from an aerosol generated by a waste water treatment plant. Water Research, 1997, 31, 3125-3131.	5.3	7
103	An innovative approach for the non-invasive surveillance of communities and early detection of SARS-CoV-2 via solid waste analysis. Science of the Total Environment, 2021, 801, 149743.	3.9	7
104	Water safety in healthcare facilities. The Vieste Charter. Annali Di Igiene: Medicina Preventiva E Di Comunita, 2017, 29, 92-100.	0.5	7
105	Molecular Detection of Human Salivirus in Italy Through Monitoring of Urban Sewages. Food and Environmental Virology, 2020, 12, 68-74.	1.5	6
106	Comparison of health care resource utilization among preterm and term infants hospitalized with Human Respiratory Syncytial Virus infections: A systematic review and meta-analysis of retrospective cohort studies. PLoS ONE, 2020, 15, e0229357.	1.1	6
107	Novel subtypes and unexpected heterogeneity of hepatitis E viral strains in wild boar captured in a small area in Central Italy. Transboundary and Emerging Diseases, 2022, 69, .	1.3	5
108	Genetic Diversity at alkB Locus in Brucella abortus. Zoonoses and Public Health, 2003, 50, 494-499.	1.4	4

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109	Validation of a pXO2-A PCR Assay To Explore Diversity among Italian Isolates of Bacillus anthracis Strains Closely Related to the Live, Attenuated Carbosap Vaccine. Journal of Clinical Microbiology, 2005, 43, 4758-4765.	1.8	4
110	Molecular study of genes involved in virulence regulatory pathways in Bacillus anthracis vaccine strain "Carbosap". New Microbiologica, 2006, 29, 307-10.	0.1	3
111	Microbiological evaluation of open and sealed tattoo inks. Microbiologia Medica, 2014, 29, .	0.3	2
112	Evidence for swine and human papillomavirus in pig slurry in Italy. Journal of Applied Microbiology, 2019, 127, 1246-1254.	1.4	2
113	The Geological Characteristics of the Vadose Zone Influence the Impact of Treated Wastewater on the Groundwater Quality (SCA.Re.S. Project 2019â€“2020). Pathogens, 2022, 11, 677.	1.2	1
114	Use of Polymerase Chain Reaction to IdentifyBrucella abortusStrain RB51 among Brucella Field Isolates from Cattle in Italy. Zoonoses and Public Health, 2001, 48, 107-113.	1.4	0