

# Rosa M Pintã<sup>3</sup>

## List of Publications by Year in descending order

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122  
papers

5,583  
citations

61857

43  
h-index

91712

69  
g-index

126  
all docs

126  
docs citations

126  
times ranked

4054  
citing authors

#	ARTICLE	IF	CITATIONS
1	Dynamics of SARS-CoV-2 Alpha (B.1.1.7) variant spread: The wastewater surveillance approach. <i>Environmental Research</i> , 2022, 208, 112720.	3.7	16
2	Epidemiological and Genetic Characterization of Norovirus Outbreaks That Occurred in Catalonia, Spain, 2017–2019. <i>Viruses</i> , 2022, 14, 488.	1.5	7
3	Pathogenicity and virulence of hepatitis A virus. <i>Virulence</i> , 2021, 12, 1174-1185.	1.8	19
4	Advances for the Hepatitis A Virus Antigen Production Using a Virus Strain With Codon Frequency Optimization Adjustments in Specific Locations. <i>Frontiers in Microbiology</i> , 2021, 12, 642267.	1.5	1
5	Time Evolution of Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) in Wastewater during the First Pandemic Wave of COVID-19 in the Metropolitan Area of Barcelona, Spain. <i>Applied and Environmental Microbiology</i> , 2021, 87, .	1.4	92
6	The Codon Usage Code for Cotranslational Folding of Viral Capsids. <i>Genome Biology and Evolution</i> , 2021, 13, .	1.1	6
7	Monitoring Emergence of the SARS-CoV-2 B.1.1.7 Variant through the Spanish National SARS-CoV-2 Wastewater Surveillance System (VATar COVID-19). <i>Environmental Science &amp; Technology</i> , 2021, 55, 11756-11766.	4.6	39
8	Elimination of SARS-CoV-2 along wastewater and sludge treatment processes. <i>Water Research</i> , 2021, 202, 117435.	5.3	50
9	Editorial: Codon Usage and Dinucleotide Composition of Virus Genomes: From the Virus-Host Interaction to the Development of Vaccines. <i>Frontiers in Microbiology</i> , 2021, 12, 791750.	1.5	5
10	Detection of Norovirus in Saliva Samples from Acute Gastroenteritis Cases and Asymptomatic Subjects: Association with Age and Higher Shedding in Stool. <i>Viruses</i> , 2020, 12, 1369.	1.5	16
11	Inactivation of Hepatitis A Virus and Human Norovirus in Clams Subjected to Heat Treatment. <i>Frontiers in Microbiology</i> , 2020, 11, 578328.	1.5	8
12	The Critical Role of Codon Composition on the Translation Efficiency Robustness of the Hepatitis A Virus Capsid. <i>Genome Biology and Evolution</i> , 2019, 11, 2439-2456.	1.1	12
13	Immunization recommendations against hepatitis A in Spain: Effectiveness of immunization in MSM and selection of antigenic variants – Authors' Reply. <i>EBioMedicine</i> , 2019, 45, 21.	2.7	1
14	Human Astrovirus MLB Replication In Vitro : Persistence in Extraintestinal Cell Lines. <i>Journal of Virology</i> , 2019, 93, .	1.5	14
15	Glass Wool Concentration Optimization for the Detection of Enveloped and Non-enveloped Waterborne Viruses. <i>Food and Environmental Virology</i> , 2019, 11, 184-192.	1.5	63
16	Final Consumer Options to Control and Prevent Foodborne Norovirus Infections. <i>Viruses</i> , 2019, 11, 333.	1.5	26
17	Effectiveness of Consumers Washing with Sanitizers to Reduce Human Norovirus on Mixed Salad. <i>Foods</i> , 2019, 8, 637.	1.9	16
18	Evidence for positive selection of hepatitis A virus antigenic variants in vaccinated men-having-sex-with men patients: Implications for immunization policies. <i>EBioMedicine</i> , 2019, 39, 348-357.	2.7	22

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19	Hepatitis A Virus Codon Usage: Implications for Translation Kinetics and Capsid Folding. <i>Cold Spring Harbor Perspectives in Medicine</i> , 2018, 8, a031781.	2.9	27
20	Characterization of intra- and inter-host norovirus P2 genetic variability in linked individuals by amplicon sequencing. <i>PLoS ONE</i> , 2018, 13, e0201850.	1.1	10
21	Epidemiology of Classic and Novel Human Astrovirus: Gastroenteritis and Beyond. <i>Viruses</i> , 2017, 9, 33.	1.5	138
22	Foodborne viruses. <i>Current Opinion in Food Science</i> , 2016, 8, 110-119.	4.1	59
23	Norovirus shedding among food and healthcare workers exposed to the virus in outbreak settings. <i>Journal of Clinical Virology</i> , 2016, 82, 119-125.	1.6	35
24	Improving virus production through quasispecies genomic selection and molecular breeding. <i>Scientific Reports</i> , 2016, 6, 35962.	1.6	12
25	Propidium monoazide RTqPCR assays for the assessment of hepatitis A inactivation and for a better estimation of the health risk of contaminated waters. <i>Water Research</i> , 2016, 101, 226-232.	5.3	52
26	Type I Interferon Response Is Delayed in Human Astrovirus Infections. <i>PLoS ONE</i> , 2015, 10, e0123087.	1.1	29
27	Hepatitis A Virus Genotype Distribution during a Decade of Universal Vaccination of Preadolescents. <i>International Journal of Molecular Sciences</i> , 2015, 16, 6842-6854.	1.8	20
28	Molecular and clinical epidemiology of norovirus outbreaks in Spain during the emergence of GII.4 2012 variant. <i>Journal of Clinical Virology</i> , 2014, 60, 96-104.	1.6	18
29	Hepatitis A Virus Adaptation to Cellular Shutoff Is Driven by Dynamic Adjustments of Codon Usage and Results in the Selection of Populations with Altered Capsids. <i>Journal of Virology</i> , 2014, 88, 5029-5041.	1.5	52
30	Hepatitis A: Immune Response and Virus Evolution. , 2014, , 173-189.		3
31	Standardized multiplex one-step qRT-PCR for hepatitis A virus, norovirus GI and GII quantification in bivalve mollusks and water. <i>Food Microbiology</i> , 2014, 40, 55-63.	2.1	31
32	Human Astroviruses. <i>Clinical Microbiology Reviews</i> , 2014, 27, 1048-1074.	5.7	296
33	Molecular Basis of the Behavior of Hepatitis A Virus Exposed to High Hydrostatic Pressure. <i>Applied and Environmental Microbiology</i> , 2014, 80, 6499-6505.	1.4	8
34	Method validation for norovirus detection in naturally contaminated irrigation water and fresh produce. <i>International Journal of Food Microbiology</i> , 2013, 167, 74-79.	2.1	61
35	Norovirus: A Growing Cause of Gastroenteritis in Catalonia (Spain)?. <i>Journal of Food Protection</i> , 2013, 76, 1810-1816.	0.8	6
36	Hepatitis A virus. <i>Food Safety Assurance and Veterinary Public Health</i> , 2013, , 61-78.	0.4	0

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37	A Single Mutation in the Glycophorin A Binding Site of Hepatitis A Virus Enhances Virus Clearance from the Blood and Results in a Lower Fitness Variant. <i>Journal of Virology</i> , 2012, 86, 7887-7895.	1.5	12
38	Hepatitis A virus evolution and the potential emergence of new variants escaping the presently available vaccines. <i>Future Microbiology</i> , 2012, 7, 331-346.	1.0	35
39	Identification of Human Astrovirus Genome-Linked Protein (VPg) Essential for Virus Infectivity. <i>Journal of Virology</i> , 2012, 86, 10070-10078.	1.5	51
40	Hepatitis a among men who have sex with men in Barcelona, 1989-2010: insufficient control and need for new approaches. <i>BMC Infectious Diseases</i> , 2012, 12, 11.	1.3	32
41	Human norovirus occurrence and diversity in the Llobregat river catchment, Spain. <i>Environmental Microbiology</i> , 2012, 14, 494-502.	1.8	81
42	Epidemiology of Human Astroviruses. , 2012, , 1-18.		7
43	Astrovirus Taxonomy. , 2012, , 97-118.		12
44	Molecular epidemiology of hepatitis A virus infections in Catalonia, Spain, 2005â€“2009: Circulation of newly emerging strains. <i>Journal of Clinical Virology</i> , 2011, 52, 98-102.	1.6	51
45	A detailed comparative analysis on the overall codon usage patterns in Hepatitis A virus. <i>Virus Research</i> , 2011, 157, 19-24.	1.1	34
46	Analytical Methods for Virus Detection in Water and Food. <i>Food Analytical Methods</i> , 2011, 4, 4-12.	1.3	105
47	The C-Terminal nsP1a Protein of Human Astrovirus Is a Phosphoprotein That Interacts with the Viral Polymerase. <i>Journal of Virology</i> , 2011, 85, 4470-4479.	1.5	20
48	Quantification and Genotyping of Human Sapoviruses in the Llobregat River Catchment, Spain. <i>Applied and Environmental Microbiology</i> , 2011, 77, 1111-1114.	1.4	59
49	Hepatitis A Virus Vaccine Escape Variants and Potential New Serotype Emergence. <i>Emerging Infectious Diseases</i> , 2011, 17, 734-737.	2.0	47
50	Hepatitis A Virus: State of the Art. <i>Food and Environmental Virology</i> , 2010, 2, 127-135.	1.5	24
51	Foodborne norovirus outbreak: the role of an asymptomatic food handler. <i>BMC Infectious Diseases</i> , 2010, 10, 269.	1.3	78
52	Fine-Tuning Translation Kinetics Selection as the Driving Force of Codon Usage Bias in the Hepatitis A Virus Capsid. <i>PLoS Pathogens</i> , 2010, 6, e1000797.	2.1	121
53	Detection of Oxidative Damages on Viral Capsid Protein for Evaluating Structural Integrity and Infectivity of Human Norovirus. <i>Environmental Science &amp; Technology</i> , 2010, 44, 808-812.	4.6	71
54	Risk Assessment in Shellfish-Borne Outbreaks of Hepatitis A. <i>Applied and Environmental Microbiology</i> , 2009, 75, 7350-7355.	1.4	218

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55	Photodynamic inactivation of viruses by immobilized chlorin-containing liposomes. <i>Journal of Porphyrins and Phthalocyanines</i> , 2009, 13, 578-588.	0.4	9
56	Genetic analysis of the hypervariable region of the human astrovirus nsp1a coding region: Design of a new RFLP typing method. <i>Journal of Medical Virology</i> , 2008, 80, 306-315.	2.5	13
57	New tools for the study and direct surveillance of viral pathogens in water. <i>Current Opinion in Biotechnology</i> , 2008, 19, 295-301.	3.3	185
58	Hepatitis A Virus Mutant Spectra under the Selective Pressure of Monoclonal Antibodies: Codon Usage Constraints Limit Capsid Variability. <i>Journal of Virology</i> , 2008, 82, 1688-1700.	1.5	62
59	Astrovirus Replication: An Overview. , 2008, , 571-595.		2
60	Removal of Astrovirus from Water and Sewage Treatment Plants, Evaluated by a Competitive Reverse Transcription-PCR. <i>Applied and Environmental Microbiology</i> , 2007, 73, 164-167.	1.4	54
61	Chapter 3 Enteric Hepatitis Viruses. <i>Perspectives in Medical Virology</i> , 2007, 17, 39-67.	0.1	9
62	Hepatitis A virus in urban sewage from two Mediterranean countries. <i>Epidemiology and Infection</i> , 2007, 135, 270-273.	1.0	65
63	Codon usage and replicative strategies of hepatitis A virus. <i>Virus Research</i> , 2007, 127, 158-163.	1.1	61
64	Molecular epidemiological studies show that hepatitis A virus is endemic among active homosexual men in Europe. <i>Journal of Medical Virology</i> , 2007, 79, 356-365.	2.5	70
65	Hepatitis A virus detection in food: current and future prospects. <i>Letters in Applied Microbiology</i> , 2007, 45, 1-5.	1.0	71
66	Disinfection of human enteric viruses on fomites. <i>FEMS Microbiology Letters</i> , 2006, 156, 107-111.	0.7	20
67	Development, Evaluation, and Standardization of a Real-Time TaqMan Reverse Transcription-PCR Assay for Quantification of Hepatitis A Virus in Clinical and Shellfish Samples. <i>Applied and Environmental Microbiology</i> , 2006, 72, 3846-3855.	1.4	396
68	Survival and Transport of Enteric Viruses in the Environment. , 2006, , 151-187.		48
69	Human astrovirus diagnosis and typing: current and future prospects. <i>Letters in Applied Microbiology</i> , 2005, 41, 103-105.	1.0	54
70	Human astrovirus C-terminal nsP1a protein is involved in RNA replication. <i>Virology</i> , 2005, 333, 124-131.	1.1	34
71	Waterborne gastroenteritis outbreak in Albania. <i>Water Science and Technology</i> , 2004, 50, 57-61.	1.2	43
72	C-Terminal nsP1a Protein of Human Astrovirus Colocalizes with the Endoplasmic Reticulum and Viral RNA. <i>Journal of Virology</i> , 2004, 78, 13627-13636.	1.5	42

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73	Structural Requirements of Astrovirus Virus-Like Particles Assembled in Insect Cells. <i>Journal of Virology</i> , 2004, 78, 13285-13292.	1.5	30
74	Rotavirus Virus-Like Particles as Surrogates in Environmental Persistence and Inactivation Studies. <i>Applied and Environmental Microbiology</i> , 2004, 70, 3904-3909.	1.4	37
75	Capsid Region Involved in Hepatitis A Virus Binding to Glycophorin A of the Erythrocyte Membrane. <i>Journal of Virology</i> , 2004, 78, 9807-9813.	1.5	39
76	Apoptosis in astrovirus-infected CaCo-2 cells. <i>Virology</i> , 2004, 319, 249-261.	1.1	42
77	Hepatitis in Albanian children: Molecular analysis of hepatitis A virus isolates. <i>Journal of Medical Virology</i> , 2004, 72, 533-537.	2.5	30
78	A novel CD4+ T-helper lymphocyte epitope in the VP3 protein of hepatitis A virus. <i>Journal of Medical Virology</i> , 2004, 72, 525-532.	2.5	10
79	Detection of Infectious Rotaviruses by Flow Cytometry. , 2004, 268, 061-068.		10
80	Evidence for quasispecies distributions in the human hepatitis A virus genome. <i>Virology</i> , 2003, 315, 34-42.	1.1	82
81	Persistent gastroenteritis in children infected with astrovirus: Association with serotype-3 strains. <i>Journal of Medical Virology</i> , 2003, 71, 245-250.	2.5	56
82	Group A Rotavirus in Sewage Samples from Barcelona and Cairo: Emergence of Unusual Genotypes. <i>Applied and Environmental Microbiology</i> , 2003, 69, 3919-3923.	1.4	95
83	Genome Variability and Capsid Structural Constraints of Hepatitis A Virus. <i>Journal of Virology</i> , 2003, 77, 452-459.	1.5	135
84	Antigenic Hepatitis A Virus Structures May Be Produced in <i>Escherichia coli</i> . <i>Applied and Environmental Microbiology</i> , 2003, 69, 1840-1843.	1.4	2
85	A large infantile gastroenteritis outbreak in Albania caused by multiple emerging rotavirus genotypes. <i>Epidemiology and Infection</i> , 2003, 131, 1105-1110.	1.0	57
86	Molecular Epidemiology of Astrovirus Infection in Barcelona, Spain. <i>Journal of Clinical Microbiology</i> , 2002, 40, 133-139.	1.8	183
87	Molecular Characterization of Hepatitis A Virus Isolates from a Transcontinental Shellfish-Borne Outbreak. <i>Journal of Clinical Microbiology</i> , 2002, 40, 4148-4155.	1.8	156
88	Prevalence of enterovirus and hepatitis A virus in bivalve molluscs from Galicia (NW Spain): inadequacy of the EU standards of microbiological quality. <i>International Journal of Food Microbiology</i> , 2002, 74, 119-130.	2.1	77
89	Hepatitis A virus polyprotein processing by <i>Escherichia coli</i> proteases. <i>Journal of General Virology</i> , 2002, 83, 359-368.	1.3	8
90	Human enteric viruses in Coquina clams associated with a large hepatitis A outbreak. <i>Water Science and Technology</i> , 2001, 43, 61-65.	1.2	73

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91	Astrovirus detection in wastewater samples. <i>Water Science and Technology</i> , 2001, 43, 73-76.	1.2	21
92	Potential Role of Fomites in the Vehicular Transmission of Human Astroviruses. <i>Applied and Environmental Microbiology</i> , 2001, 67, 3904-3907.	1.4	103
93	Physicochemical studies of hepatitis A virus recombinant proteins: interaction with monolayers as membrane models. <i>Materials Science and Engineering C</i> , 1999, 8-9, 481-485.	3.8	0
94	A new continuous epitope of hepatitis A virus. , 1998, 54, 95-102.		42
95	Enhancement of the immunogenicity of a synthetic peptide bearing a VP3 epitope of hepatitis A virus. <i>FEBS Letters</i> , 1998, 438, 106-110.	1.3	21
96	Disinfection of human enteric viruses on fomites. <i>FEMS Microbiology Letters</i> , 1997, 156, 107-111.	0.7	49
97	Viruses in Mussels: Public Health Implications and Depuration. <i>Journal of Food Protection</i> , 1997, 60, 677-681.	0.8	63
98	Persistence of human astrovirus in fresh and marine water. <i>Water Science and Technology</i> , 1997, 35, 243.	1.2	10
99	Evaluation of flow-cytometry for the monitoring of infectious human rotavirus in water. <i>Water Science and Technology</i> , 1997, 35, 451.	1.2	3
100	Non isotopic automatable molecular procedures for the detection of enteroviruses. <i>Molecular and Cellular Probes</i> , 1996, 10, 81-89.	0.9	13
101	Detection of infectious astroviruses in water. <i>Applied and Environmental Microbiology</i> , 1996, 62, 1811-1813.	1.4	48
102	Retroviral properties inherent to viral erythrocytic infection in sea bass. <i>Archives of Virology</i> , 1995, 140, 721-735.	0.9	5
103	Polymerase chain reaction amplification and typing of rotavirus in environmental samples. <i>Water Science and Technology</i> , 1995, 31, 371.	1.2	2
104	Differential accumulation and depuration of human enteric viruses by mussels. <i>Water Science and Technology</i> , 1995, 31, 447.	1.2	10
105	Anti-Hepatitis A Virus Antibody Response Elicited in Mice by Different Forms of a Synthetic VP1 Peptide. <i>Microbiology and Immunology</i> , 1995, 39, 485-490.	0.7	20
106	Detection of Fastidious Infectious Enteric Viruses in Water. <i>Environmental Science &amp; Technology</i> , 1995, 29, 2636-2638.	4.6	22
107	Use of the colonic carcinoma cell line CaCo-2 for in vivo amplification and detection of enteric viruses. <i>Journal of Medical Virology</i> , 1994, 44, 310-315.	2.5	125
108	Structures associated with the expression of rabies virus structural genes in insect cells. <i>Virus Research</i> , 1994, 31, 139-145.	1.1	6

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109	Should shellfish be purified before public consumption?. Lancet, The, 1994, 344, 1024-1025.	6.3	27
110	Disinfection of human enteric viruses in water by copper and silver in combination with low levels of chlorine. Applied and Environmental Microbiology, 1994, 60, 2377-2383.	1.4	92
111	Development and physiological effects of viral erythrocytic infection (VEI) in naturally-infected cultured sea bass. Aquaculture, 1993, 115, 221-232.	1.7	3
112	Interferon-like activity in sea bass affected by viral erythrocytic infection. Fish and Shellfish Immunology, 1993, 3, 89-96.	1.6	5
113	Experimental Transmission and Pathogenicity of a Viral Erythrocytic Infection in Sea Bass <i>Dicentrarchus labrax</i> . Journal of Aquatic Animal Health, 1992, 4, 292-302.	0.6	7
114	Oral dermal fibrous hyperplasia in cultured gilthead, <i>Sparus aurata</i> . Journal of Applied Ichthyology, 1992, 8, 186-192.	0.3	0
115	Viral erythrocytic infection in sea bass: virus purification and confirmative diagnosis. Archives of Virology, 1991, 120, 83-96.	0.9	12
116	A Simple Method for the Cultivation of Cell Monolayers for Electron Microscopy Studies. Biotechnic & Histochemistry, 1990, 65, 51-53.	0.4	2
117	Isolation and characterization of an <i>Edwardsiella</i> sp. strain, causative agent of mortalities in sea bass ( <i>Dicentrarchus labrax</i> ). Aquaculture, 1990, 88, 213-222.	1.7	13
118	Occurrence of a viral erythrocytic infection in the Mediterranean sea bass, <i>Dicentrarchus labrax</i> (L.). Journal of Fish Diseases, 1989, 12, 185-191.	0.9	16
119	Detection of human rotavirus in sewage through two concentration procedures. Water Research, 1988, 22, 343-348.	5.3	50
120	Rethinking Virus Detection in Food. , 0, , 171-188.		15
121	Coding Biases and Viral Fitness. , 0, , 271-283.		2
122	Hepatitis A and E Viruses. , 0, , 247-258.		0