

Rosa M Pintã³

List of Publications by Year in descending order

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122
papers

5,583
citations

61984

43
h-index

91884

69
g-index

126
all docs

126
docs citations

126
times ranked

4054
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	3.1	396
2	Human Astroviruses. <i>Clinical Microbiology Reviews</i> , 2014, 27, 1048-1074.	13.6	296
3	Risk Assessment in Shellfish-Borne Outbreaks of Hepatitis A. <i>Applied and Environmental Microbiology</i> , 2009, 75, 7350-7355.	3.1	218
4	New tools for the study and direct surveillance of viral pathogens in water. <i>Current Opinion in Biotechnology</i> , 2008, 19, 295-301.	6.6	185
5	Molecular Epidemiology of Astrovirus Infection in Barcelona, Spain. <i>Journal of Clinical Microbiology</i> , 2002, 40, 133-139.	3.9	183
6	Molecular Characterization of Hepatitis A Virus Isolates from a Transcontinental Shellfish-Borne Outbreak. <i>Journal of Clinical Microbiology</i> , 2002, 40, 4148-4155.	3.9	156
7	Epidemiology of Classic and Novel Human Astrovirus: Gastroenteritis and Beyond. <i>Viruses</i> , 2017, 9, 33.	3.3	138
8	Genome Variability and Capsid Structural Constraints of Hepatitis A Virus. <i>Journal of Virology</i> , 2003, 77, 452-459.	3.4	135
9	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.	5.0	125
10	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.	4.7	121
11	Analytical Methods for Virus Detection in Water and Food. <i>Food Analytical Methods</i> , 2011, 4, 4-12.	2.6	105
12	Potential Role of Fomites in the Vehicular Transmission of Human Astroviruses. <i>Applied and Environmental Microbiology</i> , 2001, 67, 3904-3907.	3.1	103
13	Group A Rotavirus in Sewage Samples from Barcelona and Cairo: Emergence of Unusual Genotypes. <i>Applied and Environmental Microbiology</i> , 2003, 69, 3919-3923.	3.1	95
14	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, .	3.1	92
15	Disinfection of human enteric viruses in water by copper and silver in combination with low levels of chlorine. <i>Applied and Environmental Microbiology</i> , 1994, 60, 2377-2383.	3.1	92
16	Evidence for quasispecies distributions in the human hepatitis A virus genome. <i>Virology</i> , 2003, 315, 34-42.	2.4	82
17	Human norovirus occurrence and diversity in the Llobregat river catchment, Spain. <i>Environmental Microbiology</i> , 2012, 14, 494-502.	3.8	81
18	Foodborne norovirus outbreak: the role of an asymptomatic food handler. <i>BMC Infectious Diseases</i> , 2010, 10, 269.	2.9	78

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19	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.	4.7	77
20	Human enteric viruses in Coquina clams associated with a large hepatitis A outbreak. <i>Water Science and Technology</i> , 2001, 43, 61-65.	2.5	73
21	Hepatitis A virus detection in food: current and future prospects. <i>Letters in Applied Microbiology</i> , 2007, 45, 1-5.	2.2	71
22	Detection of Oxidative Damages on Viral Capsid Protein for Evaluating Structural Integrity and Infectivity of Human Norovirus. <i>Environmental Science & Technology</i> , 2010, 44, 808-812.	10.0	71
23	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.	5.0	70
24	Hepatitis A virus in urban sewage from two Mediterranean countries. <i>Epidemiology and Infection</i> , 2007, 135, 270-273.	2.1	65
25	Viruses in Mussels: Public Health Implications and Depuration. <i>Journal of Food Protection</i> , 1997, 60, 677-681.	1.7	63
26	Glass Wool Concentration Optimization for the Detection of Enveloped and Non-enveloped Waterborne Viruses. <i>Food and Environmental Virology</i> , 2019, 11, 184-192.	3.4	63
27	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.	3.4	62
28	Codon usage and replicative strategies of hepatitis A virus. <i>Virus Research</i> , 2007, 127, 158-163.	2.2	61
29	Method validation for norovirus detection in naturally contaminated irrigation water and fresh produce. <i>International Journal of Food Microbiology</i> , 2013, 167, 74-79.	4.7	61
30	Quantification and Genotyping of Human Sapoviruses in the Llobregat River Catchment, Spain. <i>Applied and Environmental Microbiology</i> , 2011, 77, 1111-1114.	3.1	59
31	Foodborne viruses. <i>Current Opinion in Food Science</i> , 2016, 8, 110-119.	8.0	59
32	A large infantile gastroenteritis outbreak in Albania caused by multiple emerging rotavirus genotypes. <i>Epidemiology and Infection</i> , 2003, 131, 1105-1110.	2.1	57
33	Persistent gastroenteritis in children infected with astrovirus: Association with serotype-3 strains. <i>Journal of Medical Virology</i> , 2003, 71, 245-250.	5.0	56
34	Human astrovirus diagnosis and typing: current and future prospects. <i>Letters in Applied Microbiology</i> , 2005, 41, 103-105.	2.2	54
35	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.	3.1	54
36	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.	3.4	52

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37	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.	11.3	52
38	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.	3.1	51
39	Identification of Human Astrovirus Genome-Linked Protein (VPg) Essential for Virus Infectivity. <i>Journal of Virology</i> , 2012, 86, 10070-10078.	3.4	51
40	Detection of human rotavirus in sewage through two concentration procedures. <i>Water Research</i> , 1988, 22, 343-348.	11.3	50
41	Elimination of SARS-CoV-2 along wastewater and sludge treatment processes. <i>Water Research</i> , 2021, 202, 117435.	11.3	50
42	Disinfection of human enteric viruses on fomites. <i>FEMS Microbiology Letters</i> , 1997, 156, 107-111.	1.8	49
43	Survival and Transport of Enteric Viruses in the Environment. , 2006, , 151-187.		48
44	Detection of infectious astroviruses in water. <i>Applied and Environmental Microbiology</i> , 1996, 62, 1811-1813.	3.1	48
45	Hepatitis A Virus Vaccine Escape Variants and Potential New Serotype Emergence. <i>Emerging Infectious Diseases</i> , 2011, 17, 734-737.	4.3	47
46	Waterborne gastroenteritis outbreak in Albania. <i>Water Science and Technology</i> , 2004, 50, 57-61.	2.5	43
47	A new continuous epitope of hepatitis A virus. , 1998, 54, 95-102.		42
48	C-Terminal nsP1a Protein of Human Astrovirus Colocalizes with the Endoplasmic Reticulum and Viral RNA. <i>Journal of Virology</i> , 2004, 78, 13627-13636.	3.4	42
49	Apoptosis in astrovirus-infected CaCo-2 cells. <i>Virology</i> , 2004, 319, 249-261.	2.4	42
50	Capsid Region Involved in Hepatitis A Virus Binding to Glycophorin A of the Erythrocyte Membrane. <i>Journal of Virology</i> , 2004, 78, 9807-9813.	3.4	39
51	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 & Technology</i> , 2021, 55, 11756-11766.	10.0	39
52	Rotavirus Virus-Like Particles as Surrogates in Environmental Persistence and Inactivation Studies. <i>Applied and Environmental Microbiology</i> , 2004, 70, 3904-3909.	3.1	37
53	Hepatitis A virus evolution and the potential emergence of new variants escaping the presently available vaccines. <i>Future Microbiology</i> , 2012, 7, 331-346.	2.0	35
54	Norovirus shedding among food and healthcare workers exposed to the virus in outbreak settings. <i>Journal of Clinical Virology</i> , 2016, 82, 119-125.	3.1	35

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55	Human astrovirus C-terminal nsP1a protein is involved in RNA replication. <i>Virology</i> , 2005, 333, 124-131.	2.4	34
56	A detailed comparative analysis on the overall codon usage patterns in Hepatitis A virus. <i>Virus Research</i> , 2011, 157, 19-24.	2.2	34
57	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.	2.9	32
58	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.	4.2	31
59	Structural Requirements of Astrovirus Virus-Like Particles Assembled in Insect Cells. <i>Journal of Virology</i> , 2004, 78, 13285-13292.	3.4	30
60	Hepatitis in Albanian children: Molecular analysis of hepatitis A virus isolates. <i>Journal of Medical Virology</i> , 2004, 72, 533-537.	5.0	30
61	Type I Interferon Response Is Delayed in Human Astrovirus Infections. <i>PLoS ONE</i> , 2015, 10, e0123087.	2.5	29
62	Should shellfish be purified before public consumption?. <i>Lancet, The</i> , 1994, 344, 1024-1025.	13.7	27
63	Hepatitis A Virus Codon Usage: Implications for Translation Kinetics and Capsid Folding. <i>Cold Spring Harbor Perspectives in Medicine</i> , 2018, 8, a031781.	6.2	27
64	Final Consumer Options to Control and Prevent Foodborne Norovirus Infections. <i>Viruses</i> , 2019, 11, 333.	3.3	26
65	Hepatitis A Virus: State of the Art. <i>Food and Environmental Virology</i> , 2010, 2, 127-135.	3.4	24
66	Detection of Fastidious Infectious Enteric Viruses in Water. <i>Environmental Science & Technology</i> , 1995, 29, 2636-2638.	10.0	22
67	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.	6.1	22
68	Enhancement of the immunogenicity of a synthetic peptide bearing a VP3 epitope of hepatitis A virus. <i>FEBS Letters</i> , 1998, 438, 106-110.	2.8	21
69	Astrovirus detection in wastewater samples. <i>Water Science and Technology</i> , 2001, 43, 73-76.	2.5	21
70	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.	1.4	20
71	Disinfection of human enteric viruses on fomites. <i>FEMS Microbiology Letters</i> , 2006, 156, 107-111.	1.8	20
72	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.	3.4	20

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73	Hepatitis A Virus Genotype Distribution during a Decade of Universal Vaccination of Preadolescents. <i>International Journal of Molecular Sciences</i> , 2015, 16, 6842-6854.	4.1	20
74	Pathogenicity and virulence of hepatitis A virus. <i>Virulence</i> , 2021, 12, 1174-1185.	4.4	19
75	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.	3.1	18
76	Occurrence of a viral erythrocytic infection in the Mediterranean sea bass, <i>Dicentrarchus labrax</i> (L.). <i>Journal of Fish Diseases</i> , 1989, 12, 185-191.	1.9	16
77	Effectiveness of Consumers Washing with Sanitizers to Reduce Human Norovirus on Mixed Salad. <i>Foods</i> , 2019, 8, 637.	4.3	16
78	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.	3.3	16
79	Dynamics of SARS-CoV-2 Alpha (B.1.1.7) variant spread: The wastewater surveillance approach. <i>Environmental Research</i> , 2022, 208, 112720.	7.5	16
80	Rethinking Virus Detection in Food. , 0, , 171-188.		15
81	Human Astrovirus MLB Replication In Vitro : Persistence in Extraintestinal Cell Lines. <i>Journal of Virology</i> , 2019, 93, .	3.4	14
82	Isolation and characterization of an <i>Edwardsiella</i> sp. strain, causative agent of mortalities in sea bass (<i>Dicentrarchus labrax</i>). <i>Aquaculture</i> , 1990, 88, 213-222.	3.5	13
83	Non isotopic automatable molecular procedures for the detection of enteroviruses. <i>Molecular and Cellular Probes</i> , 1996, 10, 81-89.	2.1	13
84	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.	5.0	13
85	Viral erythrocytic infection in sea bass: virus purification and confirmative diagnosis. <i>Archives of Virology</i> , 1991, 120, 83-96.	2.1	12
86	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.	3.4	12
87	Improving virus production through quasispecies genomic selection and molecular breeding. <i>Scientific Reports</i> , 2016, 6, 35962.	3.3	12
88	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.	2.5	12
89	Astrovirus Taxonomy. , 2012, , 97-118.		12
90	Differential accumulation and depuration of human enteric viruses by mussels. <i>Water Science and Technology</i> , 1995, 31, 447.	2.5	10

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91	Persistence of human astrovirus in fresh and marine water. <i>Water Science and Technology</i> , 1997, 35, 243.	2.5	10
92	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.	5.0	10
93	Detection of Infectious Rotaviruses by Flow Cytometry. , 2004, 268, 061-068.		10
94	Characterization of intra- and inter-host norovirus P2 genetic variability in linked individuals by amplicon sequencing. <i>PLoS ONE</i> , 2018, 13, e0201850.	2.5	10
95	Chapter 3 Enteric Hepatitis Viruses. <i>Perspectives in Medical Virology</i> , 2007, 17, 39-67.	0.1	9
96	Photodynamic inactivation of viruses by immobilized chlorin-containing liposomes. <i>Journal of Porphyrins and Phthalocyanines</i> , 2009, 13, 578-588.	0.8	9
97	Molecular Basis of the Behavior of Hepatitis A Virus Exposed to High Hydrostatic Pressure. <i>Applied and Environmental Microbiology</i> , 2014, 80, 6499-6505.	3.1	8
98	Inactivation of Hepatitis A Virus and Human Norovirus in Clams Subjected to Heat Treatment. <i>Frontiers in Microbiology</i> , 2020, 11, 578328.	3.5	8
99	Hepatitis A virus polyprotein processing by <i>Escherichia coli</i> proteases. <i>Journal of General Virology</i> , 2002, 83, 359-368.	2.9	8
100	Experimental Transmission and Pathogenicity of a Viral Erythrocytic Infection in Sea Bass <i>Dicentrarchus labrax</i> . <i>Journal of Aquatic Animal Health</i> , 1992, 4, 292-302.	1.4	7
101	Epidemiology of Human Astroviruses. , 2012, , 1-18.		7
102	Epidemiological and Genetic Characterization of Norovirus Outbreaks That Occurred in Catalonia, Spain, 2017-2019. <i>Viruses</i> , 2022, 14, 488.	3.3	7
103	Structures associated with the expression of rabies virus structural genes in insect cells. <i>Virus Research</i> , 1994, 31, 139-145.	2.2	6
104	Norovirus: A Growing Cause of Gastroenteritis in Catalonia (Spain)?. <i>Journal of Food Protection</i> , 2013, 76, 1810-1816.	1.7	6
105	The Codon Usage Code for Cotranslational Folding of Viral Capsids. <i>Genome Biology and Evolution</i> , 2021, 13, .	2.5	6
106	Interferon-like activity in sea bass affected by viral erythrocytic infection. <i>Fish and Shellfish Immunology</i> , 1993, 3, 89-96.	3.6	5
107	Retroviral properties inherent to viral erythrocytic infection in sea bass. <i>Archives of Virology</i> , 1995, 140, 721-735.	2.1	5
108	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.	3.5	5

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109	Development and physiological effects of viral erythrocytic infection (VEI) in naturally-infected cultured sea bass. <i>Aquaculture</i> , 1993, 115, 221-232.	3.5	3
110	Evaluation of flow-cytometry for the monitoring of infectious human rotavirus in water. <i>Water Science and Technology</i> , 1997, 35, 451.	2.5	3
111	Hepatitis A: Immune Response and Virus Evolution. , 2014, , 173-189.		3
112	A Simple Method for the Cultivation of Cell Monolayers for Electron Microscopy Studies. <i>Biotechnic & Histochemistry</i> , 1990, 65, 51-53.	0.4	2
113	Polymerase chain reaction amplification and typing of rotavirus in environmental samples. <i>Water Science and Technology</i> , 1995, 31, 371.	2.5	2
114	Antigenic Hepatitis A Virus Structures May Be Produced in <i>Escherichia coli</i> . <i>Applied and Environmental Microbiology</i> , 2003, 69, 1840-1843.	3.1	2
115	Astrovirus Replication: An Overview. , 2008, , 571-595.		2
116	Coding Biases and Viral Fitness. , 0, , 271-283.		2
117	Immunization recommendations against hepatitis A in Spain: Effectiveness of immunization in MSM and selection of antigenic variants â€™ Authors' Reply. <i>EBioMedicine</i> , 2019, 45, 21.	6.1	1
118	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.	3.5	1
119	Oral dermal fibrous hyperplasia in cultured gilthead, <i>Sparus aurata</i> . <i>Journal of Applied Ichthyology</i> , 1992, 8, 186-192.	0.7	0
120	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.	7.3	0
121	Hepatitis A virus. <i>Food Safety Assurance and Veterinary Public Health</i> , 2013, , 61-78.	0.4	0
122	Hepatitis A and E Viruses. , 0, , 247-258.		0