

Susana Guix

List of Publications by Year in descending order

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76
papers

3,472
citations

147801

31
h-index

155660

55
g-index

82
all docs

82
docs citations

82
times ranked

3548
citing authors

#	ARTICLE	IF	CITATIONS
1	Human Astroviruses. <i>Clinical Microbiology Reviews</i> , 2014, 27, 1048-1074.	13.6	296
2	Molecular surveillance of norovirus, 2005–16: an epidemiological analysis of data collected from the NoroNet network. <i>Lancet Infectious Diseases</i> , The, 2018, 18, 545-553.	9.1	193
3	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
4	Molecular Epidemiology of Astrovirus Infection in Barcelona, Spain. <i>Journal of Clinical Microbiology</i> , 2002, 40, 133-139.	3.9	183
5	Norwalk Virus RNA Is Infectious in Mammalian Cells. <i>Journal of Virology</i> , 2007, 81, 12238-12248.	3.4	141
6	Epidemiology of Classic and Novel Human Astrovirus: Gastroenteritis and Beyond. <i>Viruses</i> , 2017, 9, 33.	3.3	138
7	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
8	Tracing surface and airborne SARS-CoV-2 RNA inside public buses and subway trains. <i>Environment International</i> , 2021, 147, 106326.	10.0	119
9	Analytical Methods for Virus Detection in Water and Food. <i>Food Analytical Methods</i> , 2011, 4, 4-12.	2.6	105
10	Potential Role of Fomites in the Vehicular Transmission of Human Astroviruses. <i>Applied and Environmental Microbiology</i> , 2001, 67, 3904-3907.	3.1	103
11	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
12	Norwalk virus does not replicate in human macrophages or dendritic cells derived from the peripheral blood of susceptible humans. <i>Virology</i> , 2010, 406, 1-11.	2.4	88
13	Human norovirus occurrence and diversity in the Llobregat river catchment, Spain. <i>Environmental Microbiology</i> , 2012, 14, 494-502.	3.8	81
14	Astrovirus replication in human intestinal enteroids reveals multi-cellular tropism and an intricate host innate immune landscape. <i>PLoS Pathogens</i> , 2019, 15, e1008057.	4.7	69
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.	3.4	63
16	Plasmid-based human norovirus reverse genetics system produces reporter-tagged progeny virus containing infectious genomic RNA. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E4043-52.	7.1	60
17	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
18	Foodborne viruses. <i>Current Opinion in Food Science</i> , 2016, 8, 110-119.	8.0	59

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19	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
20	Inhibition of Cellular Protein Secretion by Norwalk Virus Nonstructural Protein p22 Requires a Mimic of an Endoplasmic Reticulum Export Signal. <i>PLoS ONE</i> , 2010, 5, e13130.	2.5	55
21	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
22	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
23	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
24	Identification of Human Astrovirus Genome-Linked Protein (VPg) Essential for Virus Infectivity. <i>Journal of Virology</i> , 2012, 86, 10070-10078.	3.4	51
25	Norovirus in Bottled Water Associated with Gastroenteritis Outbreak, Spain, 2016. <i>Emerging Infectious Diseases</i> , 2017, 23, 1531-1534.	4.3	46
26	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
27	Apoptosis in astrovirus-infected CaCo-2 cells. <i>Virology</i> , 2004, 319, 249-261.	2.4	42
28	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
29	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
30	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
31	Human astrovirus C-terminal nsP1a protein is involved in RNA replication. <i>Virology</i> , 2005, 333, 124-131.	2.4	34
32	Replication of Human Norovirus RNA in Mammalian Cells Reveals Lack of Interferon Response. <i>Journal of Virology</i> , 2016, 90, 8906-8923.	3.4	34
33	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
34	Structural Requirements of Astrovirus Virus-Like Particles Assembled in Insect Cells. <i>Journal of Virology</i> , 2004, 78, 13285-13292.	3.4	30
35	Type I Interferon Response Is Delayed in Human Astrovirus Infections. <i>PLoS ONE</i> , 2015, 10, e0123087.	2.5	29
36	Novel Human Astroviruses: Prevalence and Association with Common Enteric Viruses in Undiagnosed Gastroenteritis Cases in Spain. <i>Viruses</i> , 2019, 11, 585.	3.3	28

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37	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
38	Human norovirus hyper-mutation revealed by ultra-deep sequencing. <i>Infection, Genetics and Evolution</i> , 2016, 41, 233-239.	2.3	26
39	Final Consumer Options to Control and Prevent Foodborne Norovirus Infections. <i>Viruses</i> , 2019, 11, 333.	3.3	26
40	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
41	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
42	Detection and characterization of human group C rotavirus in the pediatric population of Barcelona, Spain. <i>Journal of Clinical Virology</i> , 2007, 38, 78-82.	3.1	21
43	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
44	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
45	Recovering coronavirus from large volumes of water. <i>Science of the Total Environment</i> , 2021, 762, 143101.	8.0	19
46	Pathogenicity and virulence of hepatitis A virus. <i>Virulence</i> , 2021, 12, 1174-1185.	4.4	19
47	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
48	A Spanish case-control study in 5 year-old children reveals the lack of association between MLB and VA astrovirus and diarrhea. <i>Scientific Reports</i> , 2020, 10, 1760.	3.3	18
49	A foodborne norovirus outbreak in a nursing home and spread to staff and their household contacts. <i>Epidemiology and Infection</i> , 2019, 147, e225.	2.1	17
50	Effectiveness of Consumers Washing with Sanitizers to Reduce Human Norovirus on Mixed Salad. <i>Foods</i> , 2019, 8, 637.	4.3	16
51	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
52	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
53	Human Astrovirus MLB Replication In Vitro : Persistence in Extraintestinal Cell Lines. <i>Journal of Virology</i> , 2019, 93, .	3.4	14
54	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

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55	Improving virus production through quasispecies genomic selection and molecular breeding. <i>Scientific Reports</i> , 2016, 6, 35962.	3.3	12
56	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
57	Astrovirus Taxonomy. , 2012, , 97-118.		12
58	Norovirus detection in environmental samples in norovirus outbreaks in closed and semi-closed settings. <i>Journal of Hospital Infection</i> , 2020, 105, 3-9.	2.9	11
59	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
60	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
61	Infectivity of Norovirus GI and GII from Bottled Mineral Water during a Waterborne Outbreak, Spain. <i>Emerging Infectious Diseases</i> , 2019, 26, 134-137.	4.3	8
62	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
63	A Waterborne Gastroenteritis Outbreak Caused by a GII Norovirus in a Holiday Camp in Catalonia (Spain), 2017. <i>Viruses</i> , 2021, 13, 1792.	3.3	8
64	Hepatitis A virus polyprotein processing by <i>Escherichia coli</i> proteases. <i>Journal of General Virology</i> , 2002, 83, 359-368.	2.9	8
65	Clinical surveillance for human astrovirus in Monastir region, Tunisia. <i>BMC Public Health</i> , 2015, 16, 57.	2.9	7
66	Epidemiology of Human Astroviruses. , 2012, , 1-18.		7
67	Epidemiological and Genetic Characterization of Norovirus Outbreaks That Occurred in Catalonia, Spain, 2017-2019. <i>Viruses</i> , 2022, 14, 488.	3.3	7
68	Outbreaks of Gastroenteritis Due to Norovirus in Schools and Summer Camps in Catalonia, 2017-2019. <i>Microbiology Spectrum</i> , 2022, 10, e0011922.	3.0	4
69	Human Astrovirus Outbreak in a Daycare Center and Propagation among Household Contacts. <i>Viruses</i> , 2021, 13, 1100.	3.3	3
70	Norovirus outbreaks in long-term care facilities in Catalonia from 2017 to 2018. <i>Scientific Reports</i> , 2021, 11, 23218.	3.3	3
71	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
72	Involvement of Workers in Closed and Semiclosed Institutions in Outbreaks of Acute Gastroenteritis Due to Norovirus. <i>Viruses</i> , 2020, 12, 1392.	3.3	2

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73	Astrovirus Replication: An Overview. , 2008, , 571-595.		2
74	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
75	<i>Caliciviridae</i> and <i>Astroviridae</i> . , 0, , 389-402.		1
76	Immune Responses. , 2012, , 79-95.		0