Stephanie M Karst

List of Publications by Year
in descending order

40 papers	4,355 citations	257450 24 h-index	315739 38 g-index
43 all docs	43 docs citations	43 times ranked	3133 citing authors

#	Article	IF	Citations
1	STAT1-Dependent Innate Immunity to a Norwalk-Like Virus. Science, 2003, 299, 1575-1578.	12.6	757
2	Replication of Norovirus in Cell Culture Reveals a Tropism for Dendritic Cells and Macrophages. PLoS Biology, 2004, 2, e432.	5.6	740
3	Enteric bacteria promote human and mouse norovirus infection of B cells. Science, 2014, 346, 755-759.	12.6	689
4	Murine Norovirus 1 Infection Is Associated with Histopathological Changes in Immunocompetent Hosts, but Clinical Disease Is Prevented by STAT1-Dependent Interferon Responses. Journal of Virology, 2007, 81, 3251-3263.	3.4	204
5	Human norovirus culture in B cells. Nature Protocols, 2015, 10, 1939-1947.	12.0	202
6	Cleavage Map and Proteolytic Processing of the Murine Norovirus Nonstructural Polyprotein in Infected Cells. Journal of Virology, 2006, 80, 7816-7831.	3.4	186
7	Advances in Norovirus Biology. Cell Host and Microbe, 2014, 15, 668-680.	11.0	182
8	The influence of commensal bacteria on infection with enteric viruses. Nature Reviews Microbiology, 2016, 14, 197-204.	28.6	151
9	Pathogenesis of Noroviruses, Emerging RNA Viruses. Viruses, 2010, 2, 748-781.	3.3	135
10	Identification of Immune and Viral Correlates of Norovirus Protective Immunity through Comparative Study of Intra-Cluster Norovirus Strains. PLoS Pathogens, 2013, 9, e1003592.	4.7	93
11	The intestinal regionalization of acute norovirus infection is regulated by the microbiota via bile acid-mediated priming of type III interferon. Nature Microbiology, 2020, 5, 84-92.	13.3	87
12	The major targets of acute norovirus infection are immune cells in the gut-associated lymphoid tissue. Nature Microbiology, 2017, 2, 1586-1591.	13.3	86
13	Type I and Type II Interferons Inhibit the Translation of Murine Norovirus Proteins. Journal of Virology, 2009, 83, 5683-5692.	3.4	79
14	What Is the Reservoir of Emergent Human Norovirus Strains?. Journal of Virology, 2015, 89, 5756-5759.	3.4	78
15	A Working Model of How Noroviruses Infect the Intestine. PLoS Pathogens, 2015, 11, e1004626.	4.7	70
16	The molecular pathology of noroviruses. Journal of Pathology, 2015, 235, 206-216.	4.5	66
17	Multiplex gastrointestinal pathogen panels: implications for infection control. Diagnostic Microbiology and Infectious Disease, 2015, 82, 154-157.	1.8	61
18	Comparative murine norovirus studies reveal a lack of correlation between intestinal virus titers and enteric pathology. Virology, 2011, 421, 202-210.	2.4	58

#	Article	IF	Citations
19	The Effect of Malnutrition on Norovirus Infection. MBio, 2014, 5, e01032-13.	4.1	50
20	The Yeast Retrotransposons Ty1 and Ty3 Require the RNA Lariat Debranching Enzyme, Dbr1p, for Efficient Accumulation of Reverse Transcripts. Biochemical and Biophysical Research Communications, 2000, 268, 112-117.	2.1	44
21	Primary High-Dose Murine Norovirus 1 Infection Fails To Protect from Secondary Challenge with Homologous Virus. Journal of Virology, 2009, 83, 6963-6968.	3.4	40
22	Recent advances in understanding norovirus pathogenesis. Journal of Medical Virology, 2016, 88, 1837-1843.	5.0	40
23	Norovirus mechanisms of immune antagonism. Current Opinion in Virology, 2016, 16, 24-30.	5.4	34
24	Identification of a novel cellular target and a co-factor for norovirus infection â€“ B cells & commensal bacteria. Gut Microbes, 2015, 6, 266-271.	9.8	28
25	Genome-scale CRISPR screens identify host factors that promote human coronavirus infection. Genome Medicine, 2022, 14, 10.	8.2	26
26	Infectious Norovirus Is Chronically Shed by Immunocompromised Pediatric Hosts. Viruses, 2020, 12, 619.	3.3	23
27	Viruses in Rodent Colonies: Lessons Learned from Murine Noroviruses. Annual Review of Virology, 2015, 2, 525-548.	6.7	18
28	Diverse Mechanisms Underlie Enhancement of Enteric Viruses by the Mammalian Intestinal Microbiota. Viruses, 2019, 11, 760.	3.3	15
29	The influence of microbiota-derived metabolites on viral infections. Current Opinion in Virology, 2021, 49, 151-156.	5.4	15
30	Norovirus infection causes acute self-resolving diarrhea in wild-type neonatal mice. Nature Communications, 2020, 11, 2968.	12.8	14
31	Viral Safeguard: The Enteric Virome Protects against Gut Inflammation. Immunity, 2016, 44, 715-718.	14.3	13
32	Survival of Human Norovirus Surrogates in Water upon Exposure to Thermal and Non-Thermal Antiviral Treatments. Viruses, 2020, 12, 461.	3.3	13
33	A norovirus detection architecture based on isothermal amplification and expanded genetic systems. Journal of Virological Methods, 2016, 237, 64-71.	2.1	12
34	Enteric Viruses Hitch a Ride on the Evolutionary Highway. Cell Host and Microbe, 2018, 23, 5-6.	11.0	12
35	Norovirus evolution in immunodeficient mice reveals potentiated pathogenicity via a single nucleotide change in the viral capsid. PLoS Pathogens, 2021, 17, e1009402.	4.7	11
36	Regulation of Norovirus Virulence by the VP1 Protruding Domain Correlates with B Cell Infection Efficiency. Journal of Virology, 2016, 90, 2858-2867.	3.4	10

#	Article	IF	Citations
37	Human Norovirus Triggers Primary B Cell Immune ActivationIn Vitro. MBio, 2022, 13, e0017522.	4.1	9
38	Editorial overview: Viruses and the microbiome. Current Opinion in Virology, 2019, 37, iii-vi.	5.4	3
39	Development of Oral Rotavirus and Norovirus Vaccines. , 2020, , 699-712.		1
40	Noroviruses. , 2021, , 287-306.		0