Mary K Estes

List of Publications by Year
in descending order

254 papers	22,675 citations	6592 79 h-index	10424 139 g-index
278 all docs	278 docs citations	278 times ranked	12068 citing authors

#	Article	IF	Citations
1	Organoid Models for Infectious Disease. Annual Review of Medicine, 2022, 73, 167-182.	5.0	20
2	Standardization and Maintenance of 3D Canine Hepatic and Intestinal Organoid Cultures for Use in Biomedical Research. Journal of Visualized Experiments, 2022, , .	0.2	14
3	Depletion of the apical endosome in response to viruses and bacterial toxins provides cell-autonomous host defense at mucosal surfaces. Cell Host and Microbe, 2022, 30, 216-231.e5.	5.1	6
4	The Human Nose Organoid Respiratory Virus Model: an <i>Ex Vivo</i> Human Challenge Model To Study Respiratory Syncytial Virus (RSV) and Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) Pathogenesis and Evaluate Therapeutics. MBio, 2022, 13, e0351121.	1.8	20
5	Generation of CRISPRâ€“Cas9-mediated genetic knockout human intestinal tissueâ€“derived enteroid lines by lentivirus transduction and single-cell cloning. Nature Protocols, 2022, 17, 1004-1027.	5.5	23
6	Atomic structure of the predominant GII.4 human norovirus capsid reveals novel stability and plasticity. Nature Communications, 2022, 13, 1241.	5.8	19
7	Antiviral Activity of Olanexidine-Containing Hand Rub against Human Noroviruses. MBio, 2022, 13, e0284821.	1.8	9
8	Clinical and In Vitro Evidence Favoring Immunoglobulin Treatment of a Chronic Norovirus Infection in a Patient With Common Variable Immunodeficiency. Journal of Infectious Diseases, 2022, 226, 1781-1789.	1.9	12
9	Distinct gene expression profiles between human preterm-derived and adult-derived intestinal organoids exposed to<i>Enterococcus faecalis</i>: a pilot study. Gut, 2022, 71, 2141-2143.	6.1	10
10	Rotavirus-Induced Lipid Droplet Biogenesis Is Critical for Virus Replication. Frontiers in Physiology, 2022, 13, 836870.	1.3	20
11	Evaluation of Heat Inactivation of Human Norovirus in Freshwater Clams Using Human Intestinal Enteroids. Viruses, 2022, 14, 1014.	1.5	7
12	Novel fold of rotavirus glycan-binding domain predicted by AlphaFold2 and determined by X-ray crystallography. Communications Biology, 2022, 5, 419.	2.0	10
13	Use of Human Intestinal Enteroids to Evaluate Persistence of Infectious Human Norovirus in Seawater. Emerging Infectious Diseases, 2022, 28, 1475-1479.	2.0	18
14	Plasmid-based reverse genetics for probing phosphorylation-dependent viroplasm formation in rotaviruses. Virus Research, 2021, 291, 198193.	1.1	6
15	Intestinal stem cell-derived enteroids from morbidly obese patients preserve obesity-related phenotypes: Elevated glucose absorption and gluconeogenesis. Molecular Metabolism, 2021, 44, 101129.	3.0	17
16	Fusobacterium nucleatum Adheres to Clostridioides difficile via the RadD Adhesin to Enhance Biofilm Formation in Intestinal Mucus. Gastroenterology, 2021, 160, 1301-1314.e8.	0.6	46
17	Protein-Functionalized Poly(ethylene glycol) Hydrogels as Scaffolds for Monolayer Organoid Culture. Tissue Engineering - Part C: Methods, 2021, 27, 12-23.	1.1	14
18	Enteropathogenic Escherichia coli Infection in Cancer and Immunosuppressed Patients. Clinical Infectious Diseases, 2021, 72, e620-e629.	2.9	9

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19	Cryo-EM Structure of Rotavirus VP3 Reveals Novel Insights into Its Role in RNA Capping and Endogenous Transcription. Springer Proceedings in Materials, 2021, , 211-220.	0.1	0
20	A Millifluidic Perfusion Cassette for Studying the Pathogenesis of Enteric Infections Using Ex-Vivo Organoids. Annals of Biomedical Engineering, 2021, 49, 1233-1244.	1.3	5
21	Reoviruses (Reoviridae) and Their Structural Relatives. , 2021, , 303-317.		1
22	New Insights and Enhanced Human Norovirus Cultivation in Human Intestinal Enteroids. MSphere, 2021, 6, .	1.3	78
23	Norovirus in Cancer Patients: A Review. Open Forum Infectious Diseases, 2021, 8, ofab126.	0.4	6
24	Culture and differentiation of rabbit intestinal organoids and organoid-derived cell monolayers. Scientific Reports, 2021, 11, 5401.	1.6	12
25	Bile Goes Viral. Viruses, 2021, 13, 998.	1.5	7
26	Organoids to Dissect Gastrointestinal Virusâ€"Host Interactions: What Have We Learned?. Viruses, 2021, 13, 999.	1.5	11
27	Microbial Science Research in the Post-COVID Environment. MBio, 2021, 12, e0111621.	1.8	3
28	Broadly cross-reactive human antibodies that inhibit genogroup I and II noroviruses. Nature Communications, 2021, 12, 4320.	5.8	21
29	Telomere dysfunction instigates inflammation in inflammatory bowel disease. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	28
30	Effect of substrate stiffness on human intestinal enteroidsâ€™ infectivity by enteroaggregative Escherichia coli. Acta Biomaterialia, 2021, 132, 245-259.	4.1	6
31	Use of human tissue stem cell-derived organoid cultures to model enterohepatic circulation. American Journal of Physiology - Renal Physiology, 2021, 321, G270-G279.	1.6	7
32	Glycan Recognition in Human Norovirus Infections. Viruses, 2021, 13, 2066.	1.5	15
33	Drivers of transcriptional variance in human intestinal epithelial organoids. Physiological Genomics, 2021, 53, 486-508.	1.0	17
34	Norovirus Protease Structure and Antivirals Development. Viruses, 2021, 13, 2069.	1.5	3
35	Single-cell sequencing of rotavirus-infected intestinal epithelium reveals cell-type specific epithelial repair and tuft cell infection. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	31
36	Dasabuvir Inhibits Human Norovirus Infection in Human Intestinal Enteroids. MSphere, 2021, 6, e0062321.	1.3	19

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37	Yersinia pseudotuberculosis YopE prevents uptake by M cells and instigates M cell extrusion in human ileal enteroid-derived monolayers. Gut Microbes, 2021, 13, 1988390.	4.3	15
38	700. Risk Factors and Molecular Epidemiology of Acute and Chronic Norovirus Infection at a Large Tertiary Care Cancer Center. Open Forum Infectious Diseases, 2021, 8, S450-S451.	0.4	0
39	Two- and Three-Dimensional Bioengineered Human Intestinal Tissue Models for Cryptosporidium. Methods in Molecular Biology, 2020, 2052, 373-402.	0.4	22
40	Bile acids and ceramide overcome the entry restriction for GII.3 human norovirus replication in human intestinal enteroids. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 1700-1710.	3.3	75
41	High-Resolution Mapping of Human Norovirus Antigens via Genomic Phage Display Library Selections and Deep Sequencing. Journal of Virology, 2020, 95, .	1.5	10
42	Enteroaggregative E. coli Adherence to Human Heparan Sulfate Proteoglycans Drives Segment and Host Specific Responses to Infection. PLoS Pathogens, 2020, 16, e1008851.	2.1	24
43	Rotavirus induces intercellular calcium waves through ADP signaling. Science, 2020, 370, .	6.0	44
44	Telomere dysfunction activates YAP1 to drive tissue inflammation. Nature Communications, 2020, 11, 4766.	5.8	42
45	Histo-blood group antigens of glycosphingolipids predict susceptibility of human intestinal enteroids to norovirus infection. Journal of Biological Chemistry, 2020, 295, 15974-15987.	1.6	10
46	Human norovirus exhibits strain-specific sensitivity to host interferon pathways in human intestinal enteroids. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 23782-23793.	3.3	63
47	Epithelial WNT2B and Desert Hedgehog Are Necessary for Human Colonoid Regeneration after Bacterial Cytotoxin Injury. IScience, 2020, 23, 101618.	1.9	8
48	A Genetically Engineered Rotavirus NSP2 Phosphorylation Mutant Impaired in Viroplasm Formation and Replication Shows an Early Interaction between vNSP2 and Cellular Lipid Droplets. Journal of Virology, 2020, 94, .	1.5	26
49	In Vitro Models of the Small Intestine: Engineering Challenges and Engineering Solutions. Tissue Engineering - Part B: Reviews, 2020, 26, 313-326.	2.5	30
50	2.7 Ã… cryo-EM structure of rotavirus core protein VP3, a unique capping machine with a helicase activity. Science Advances, 2020, 6, eaay6410.	4.7	16
51	Genetic Manipulation of Human Intestinal Enteroids Demonstrates the Necessity of a Functional Fucosyltransferase 2 Gene for Secretor-Dependent Human Norovirus Infection. MBio, 2020, 11, .	1.8	65
52	CD300lf is the primary physiologic receptor of murine norovirus but not human norovirus. PLoS Pathogens, 2020, 16, e1008242.	2.1	44
53	Establishing Human Intestinal Enteroid/Organoid Lines from Preterm Infant and Adult Tissue. Methods in Molecular Biology, 2020, 2121, 185-198.	0.4	20
54	1098. Norovirus Infection in Cancer Patients Undergoing Chimeric Antigen Receptor T-cell Immunotherapy (CAR-T). Open Forum Infectious Diseases, 2020, 7, S578-S579.	0.4	1

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55	Dysregulation of Endogenous and Paracrine Calcium Signaling Pathways by Rotaviruses and Caliciviruses. FASEB Journal, 2020, 34, 1-1.	0.2	0
56	Title is missing!. , 2020, 16, e1008851.		0
57	Title is missing!. , 2020, 16, e1008851.		0
58	Title is missing!. , 2020, 16, e1008851.		0
59	Title is missing!. , 2020, 16, e1008851.		0
60	Induced Differentiation of M Cell-like Cells in Human Stem Cell-derived Ileal Enteroid Monolayers. Journal of Visualized Experiments, 2019, , .	0.2	17
61	Human Norovirus Cultivation in Nontransformed Stem Cell-Derived Human Intestinal Enteroid Cultures: Success and Challenges. Viruses, 2019, 11, 638.	1.5	84
62	Human Intestinal Enteroids With Inducible Neurogenin-3 Expression as a Novel Model of Gut Hormone Secretion. Cellular and Molecular Gastroenterology and Hepatology, 2019, 8, 209-229.	2.3	60
63	Rotavirus Calcium Dysregulation Manifests as Dynamic Calcium Signaling in the Cytoplasm and Endoplasmic Reticulum. Scientific Reports, 2019, 9, 10822.	1.6	50
64	Use of organoids to study regenerative responses to intestinal damage. American Journal of Physiology - Renal Physiology, 2019, 317, G845-G852.	1.6	15
65	Microbial Metabolic Capacity for Intestinal Folate Production and Modulation of Host Folate Receptors. Frontiers in Microbiology, 2019, 10, 2305.	1.5	95
66	Gut Bacterial Bouncers: Keeping Viral Pathogens out of the Epithelium. Cell Host and Microbe, 2019, 26, 569-570.	5.1	3
67	COPII Vesicle Transport Is Required for Rotavirus NSP4 Interaction with the Autophagy Protein LC3 II and Trafficking to Viroplasms. Journal of Virology, 2019, 94, .	1.5	26
68	Comparison of Microneutralization and Histo-Blood Group Antigenâ€"Blocking Assays for Functional Norovirus Antibody Detection. Journal of Infectious Diseases, 2019, 221, 739-743.	1.9	34
69	Use of Human Intestinal Enteroids to Detect â€ˆHuman Norovirus Infectivity. Emerging Infectious Diseases, 2019, 25, 1730-1735.	2.0	23
70	Derivation of adult canine intestinal organoids for translational research in gastroenterology. BMC Biology, 2019, 17, 33.	1.7	82
71	Changes of tight junction and interleukinâ€8 expression using a human gastroid monolayer model ofHelicobacter pyloriinfection. Helicobacter, 2019, 24, e12583.	1.6	15
72	2650. Evaluating Antiviral Agents for Human Noroviruses Using a Human Intestinal Enteroid Model. Open Forum Infectious Diseases, 2019, 6, S927-S928.	0.4	0

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73	Sperm Flagellar 1 Binds Actin in Intestinal Epithelial Cells and Contributes to Formation of Filopodia and Lamellipodia. Gastroenterology, 2019, 157, 1544-1555.e3.	0.6	4
74	GII.4 Norovirus Protease Shows pH-Sensitive Proteolysis with a Unique Arg-His Pairing in the Catalytic Site. Journal of Virology, 2019, 93, .	1.5	10
75	ICTV Virus Taxonomy Profile: Caliciviridae. Journal of General Virology, 2019, 100, 1469-1470.	1.3	117
76	Novel Segment- and Host-Specific Patterns of Enteroaggregative <i>Escherichia coli</i> Adherence to Human Intestinal Enteroids. MBio, 2018, 9, .	1.8	75
77	Human organoid cultures: transformative new tools for human virus studies. Current Opinion in Virology, 2018, 29, 79-86.	2.6	78
78	Epithelial WNT Ligands Are Essential Drivers of Intestinal Stem Cell Activation. Cell Reports, 2018, 22, 1003-1015.	2.9	54
79	Engineered Human Gastrointestinal Cultures to Study the Microbiome and Infectious Diseases. Cellular and Molecular Gastroenterology and Hepatology, 2018, 5, 241-251.	2.3	82
80	Human milk oligosaccharides, milk microbiome and infant gut microbiome modulate neonatal rotavirus infection. Nature Communications, 2018, 9, 5010.	5.8	130
81	Human Monoclonal Antibodies That Neutralize Pandemic GII.4ÂNoroviruses. Gastroenterology, 2018, 155, 1898-1907.	0.6	59
82	Phosphorylation cascade regulates the formation and maturation of rotaviral replication factories. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E12015-E12023.	3.3	39
83	Human noroviruses: recent advances in a 50-year history. Current Opinion in Infectious Diseases, 2018, 31, 422-432.	1.3	103
84	Bile acids target proteolipid nano-assemblies of EGFR and phosphatidic acid in the plasma membrane for stimulation of MAPK signaling. PLoS ONE, 2018, 13, e0198983.	1.1	9
85	Viral gastroenteritis. Lancet, The, 2018, 392, 175-186.	6.3	283
86	Glycan recognition in globally dominant human rotaviruses. Nature Communications, 2018, 9, 2631.	5.8	63
87	Human Norovirus Replication in Human Intestinal Enteroids as Model to Evaluate Virus Inactivation. Emerging Infectious Diseases, 2018, 24, 1453-1464.	2.0	179
88	A paradox of transcriptional and functional innate interferon responses of human intestinal enteroids to enteric virus infection. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E570-E579.	3.3	112
89	Functional Coupling of Human Microphysiology Systems: Intestine, Liver, Kidney Proximal Tubule, Blood-Brain Barrier and Skeletal Muscle. Scientific Reports, 2017, 7, 42296.	1.6	193
90	B-Cell Responses to Intramuscular Administration of a Bivalent Virus-Like Particle Human Norovirus Vaccine. Vaccine Journal, 2017, 24, .	3.2	17

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91	The Contributions of Human Mini-Intestines to the Study of Intestinal Physiology and Pathophysiology. Annual Review of Physiology, 2017, 79, 291-312.	5.6	46
92	Human Sera Collected between 1979 and 2010 Possess Blocking-Antibody Titers to Pandemic GII.4 Noroviruses Isolated over Three Decades. Journal of Virology, 2017, 91, .	1.5	8
93	Structural features of glycan recognition among viral pathogens. Current Opinion in Structural Biology, 2017, 44, 211-218.	2.6	25
94	Gastrointestinal microphysiological systems. Experimental Biology and Medicine, 2017, 242, 1633-1642.	1.1	28
95	Human Intestinal Enteroids: New Models to Study Gastrointestinal Virus Infections. Methods in Molecular Biology, 2017, 1576, 229-247.	0.4	112
96	Deep sequencing of phage-displayed peptide libraries reveals sequence motif that detects norovirus. Protein Engineering, Design and Selection, 2017, 30, 129-139.	1.0	9
97	Prospects and Challenges in the Development of a Norovirus Vaccine. Clinical Therapeutics, 2017, 39, 1537-1549.	1.1	95
98	Role for FimH in Extraintestinal Pathogenic Escherichia coli Invasion and Translocation through the Intestinal Epithelium. Infection and Immunity, 2017, 85, .	1.0	34
99	Rotavirus infection. Nature Reviews Disease Primers, 2017, 3, 17083.	18.1	419
100	Milk Oligosaccharides Inhibit Human Rotavirus Infectivity in MA104 Cells. Journal of Nutrition, 2017, 147, 1709-1714.	1.3	107
101	Immune Response. , 2017, , 89-106.		0
102	In vitro enteroid-derived three-dimensional tissue model of human small intestinal epithelium with innate immune responses. PLoS ONE, 2017, 12, e0187880.	1.1	79
103	Identification and Characterization of Single-Chain Antibodies that Specifically Bind GI Noroviruses. PLoS ONE, 2017, 12, e0170162.	1.1	6
104	Human Caliciviruses. , 2016, , 1189-1208.		0
105	Detection of human norovirus in intestinal biopsies from immunocompromised transplant patients. Journal of General Virology, 2016, 97, 2291-2300.	1.3	85
106	Enterohemorrhagic Escherichia coli Reduces Mucus and Intermicrovillar Bridges in Human Stem Cell-Derived Colonoids. Cellular and Molecular Gastroenterology and Hepatology, 2016, 2, 48-62.e3.	2.3	195
107	Human mini-guts: new insights into intestinal physiology and hostâ€“pathogen interactions. Nature Reviews Gastroenterology and Hepatology, 2016, 13, 633-642.	8.2	104
108	Replication of Human Norovirus RNA in Mammalian Cells Reveals Lack of Interferon Response. Journal of Virology, 2016, 90, 8906-8923.	1.5	34

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109	Replication of human noroviruses in stem cellâ€"derived human enteroids. Science, 2016, 353, 1387-1393.	6.0	1,056
110	Structural basis for norovirus neutralization by an HBGA blocking human IgA antibody. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E5830-E5837.	3.3	41
111	Editorial overview: Viruses and cell metabolism. Current Opinion in Virology, 2016, 19, vii-viii.	2.6	2
112	Antiviral targets of human noroviruses. Current Opinion in Virology, 2016, 18, 117-125.	2.6	35
113	Diversity in Rotavirusâ€"Host Glycan Interactions: A â€œSweetâ€• Spectrum. Cellular and Molecular Gastroenterology and Hepatology, 2016, 2, 263-273.	2.3	72
114	Physiologically relevant human tissue models for infectious diseases. Drug Discovery Today, 2016, 21, 1540-1552.	3.2	42
115	Human Enteroids/Colonoids and Intestinal Organoids Functionally Recapitulate Normal Intestinal Physiology and Pathophysiology. Journal of Biological Chemistry, 2016, 291, 3759-3766.	1.6	238
116	Serological Responses to a Norovirus Nonstructural Fusion Protein after Vaccination and Infection. Vaccine Journal, 2016, 23, 181-183.	3.2	9
117	Human Enteroids as a Model of Upper Small Intestinal Ion Transport Physiology and Pathophysiology. Gastroenterology, 2016, 150, 638-649.e8.	0.6	160
118	Human Intestinal Enteroids: a New Model To Study Human Rotavirus Infection, Host Restriction, and Pathophysiology. Journal of Virology, 2016, 90, 43-56.	1.5	298
119	Norovirus Gastroenteritis in a Birth Cohort in Southern India. PLoS ONE, 2016, 11, e0157007.	1.1	35
120	Correlates of Protection against Norovirus Infection and Diseaseâ€"Where Are We Now, Where Do We Go?. PLoS Pathogens, 2016, 12, e1005334.	2.1	44
121	Frequent Use of the IgA Isotype in Human B Cells Encoding Potent Norovirus-Specific Monoclonal Antibodies That Block HBGA Binding. PLoS Pathogens, 2016, 12, e1005719.	2.1	27
122	Reply to Kirby et al. Journal of Infectious Diseases, 2015, 211, 167-167.	1.9	2
123	Women in Science: Hints for Success. Gastroenterology, 2015, 149, 10-13.	0.6	1
124	Pathophysiological Consequences of Calcium-Conducting Viroporins. Annual Review of Virology, 2015, 2, 473-496.	3.0	67
125	Mucosal and Cellular Immune Responses to Norwalk Virus. Journal of Infectious Diseases, 2015, 212, 397-405.	1.9	81
126	Norovirus Vaccine Against Experimental Human GII.4 Virus Illness: A Challenge Study in Healthy Adults. Journal of Infectious Diseases, 2015, 211, 870-878.	1.9	223

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127	Serological Correlates of Protection against a GII.4 Norovirus. Vaccine Journal, 2015, 22, 923-929.	3.2	109
128	Experimental Human Infection with Norwalk Virus Elicits a Surrogate Neutralizing Antibody Response with Cross-Genogroup Activity. Vaccine Journal, 2015, 22, 221-228.	3.2	32
129	Norovirus Antigen Detection with a Combination of Monoclonal and Single-Chain Antibodies. Journal of Clinical Microbiology, 2015, 53, 3916-3918.	1.8	11
130	Structural basis of glycan specificity in neonate-specific bovine-human reassortant rotavirus. Nature Communications, 2015, 6, 8346.	5.8	50
131	Mapping Broadly Reactive Norovirus Genogroup I and II Monoclonal Antibodies. Vaccine Journal, 2015, 22, 168-177.	3.2	15
132	Characterization of Cross-Reactive Norovirus-Specific Monoclonal Antibodies. Vaccine Journal, 2015, 22, 160-167.	3.2	27
133	Sensitive Detection of Norovirus Using Phage Nanoparticle Reporters in Lateral-Flow Assay. PLoS ONE, 2015, 10, e0126571.	1.1	37
134	606Noroviruses (NoVs) as a Cause of Diarrhea in Immunocompromised Pediatric Transplant Recipients. Open Forum Infectious Diseases, 2014, 1, S27-S28.	0.4	0
135	Human Milk Contains Novel Glycans That Are Potential Decoy Receptors for Neonatal Rotaviruses. Molecular and Cellular Proteomics, 2014, 13, 2944-2960.	2.5	113
136	Epidemiology of human noroviruses and updates on vaccine development. Current Opinion in Gastroenterology, 2014, 30, 25-33.	1.0	156
137	Structural Characterization by Multistage Mass Spectrometry (MSn) of Human Milk Glycans Recognized by Human Rotaviruses. Molecular and Cellular Proteomics, 2014, 13, 2961-2974.	2.5	58
138	Determination of the 50% Human Infectious Dose for Norwalk Virus. Journal of Infectious Diseases, 2014, 209, 1016-1022.	1.9	261
139	A Novel Form of Rotavirus NSP2 and Phosphorylation-Dependent NSP2-NSP5 Interactions Are Associated with Viroplasm Assembly. Journal of Virology, 2014, 88, 786-798.	1.5	57
140	Prevention and cure of rotavirus infection via TLR5/NLRC4â€"mediated production of IL-22 and IL-18. Science, 2014, 346, 861-865.	6.0	188
141	Development of a Gaussia Luciferase-Based Human Norovirus Protease Reporter System: Cell Type-Specific Profile of Norwalk Virus Protease Precursors and Evaluation of Inhibitors. Journal of Virology, 2014, 88, 10312-10326.	1.5	8
142	Probing the Sites of Interactions of Rotaviral Proteins Involved in Replication. Journal of Virology, 2014, 88, 12866-12881.	1.5	29
143	Structural basis of glycan interaction in gastroenteric viral pathogens. Current Opinion in Virology, 2014, 7, 119-127.	2.6	32
144	Human enteroids as an <i>ex-vivo</i> model of hostâ€"pathogen interactions in the gastrointestinal tract. Experimental Biology and Medicine, 2014, 239, 1124-1134.	1.1	169

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145	Structural Plasticity of the Coiled-Coil Domain of Rotavirus NSP4. Journal of Virology, 2014, 88, 13602-13612.	1.5	22
146	Plasmid-based human norovirus reverse genetics system produces reporter-tagged progeny virus containing infectious genomic RNA. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E4043-52.	3.3	60
147	Identification of human single-chain antibodies with broad reactivity for noroviruses. Protein Engineering, Design and Selection, 2014, 27, 339-349.	1.0	28
148	Noroviruses: The Most Common Pediatric Viral Enteric Pathogen at a Large University Hospital After Introduction of Rotavirus Vaccination. Journal of the Pediatric Infectious Diseases Society, 2013, 2, 57-60.	0.6	145
149	Synthesis, activity and structureâ€“activity relationship of noroviral protease inhibitors. MedChemComm, 2013, 4, 1354.	3.5	17
150	A time-resolved immunoassay to measure serum antibodies to the rotavirus VP6 capsid protein. Journal of Virological Methods, 2013, 189, 228-231.	1.0	8
151	Viroporin-mediated calcium-activated autophagy. Autophagy, 2013, 9, 797-798.	4.3	46
152	Lack of Norovirus Replication and Histo-Blood Group Antigen Expression in 3-Dimensional Intestinal Epithelial Cells. Emerging Infectious Diseases, 2013, 19, 431-438.	2.0	69
153	Activation of the Endoplasmic Reticulum Calcium Sensor STIM1 and Store-Operated Calcium Entry by Rotavirus Requires NSP4 Viroporin Activity. Journal of Virology, 2013, 87, 13579-13588.	1.5	58
154	Structural Basis of Substrate Specificity and Protease Inhibition in Norwalk Virus. Journal of Virology, 2013, 87, 4281-4292.	1.5	47
155	Norwalk Virus Minor Capsid Protein VP2 Associates within the VP1 Shell Domain. Journal of Virology, 2013, 87, 4818-4825.	1.5	115
156	The VP8* Domain of Neonatal Rotavirus Strain G10P[11] Binds to Type II Precursor Glycans. Journal of Virology, 2013, 87, 7255-7264.	1.5	74
157	Human enteroids: preclinical models of non-inflammatory diarrhea. Stem Cell Research and Therapy, 2013, 4, S3.	2.4	42
158	Stem Cell-Derived Human Intestinal Organoids as an Infection Model for Rotaviruses. MBio, 2012, 3, e00159-12.	1.8	216
159	Autophagy hijacked through viroporin-activated calcium/calmodulin-dependent kinase kinase-Î² signaling is required for rotavirus replication. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, E3405-13.	3.3	142
160	Antibody Responses to Norovirus Genogroup GI.1 and GII.4 Proteases in Volunteers Administered Norwalk Virus. Vaccine Journal, 2012, 19, 1980-1983.	3.2	22
161	Genetic Divergence of Rotavirus Nonstructural Protein 4 Results in Distinct Serogroup-Specific Viroporin Activity and Intracellular Punctate Structure Morphologies. Journal of Virology, 2012, 86, 4921-4934.	1.5	23
162	Serum Hemagglutination Inhibition Activity Correlates with Protection from Gastroenteritis in Persons Infected with Norwalk Virus. Vaccine Journal, 2012, 19, 284-287.	3.2	56

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163	Rotaviruses: cause of vaccine-preventable disease yet many fundamental questions remain to be explored. Current Opinion in Virology, 2012, 2, 369-372.	2.6	3
164	Crystallographic Analysis of Rotavirus NSP2-RNA Complex Reveals Specific Recognition of 5â€² GG Sequence for RTPase Activity. Journal of Virology, 2012, 86, 10547-10557.	1.5	25
165	Rotavirus non-structural proteins: structure and function. Current Opinion in Virology, 2012, 2, 380-388.	2.6	63
166	Cell attachment protein VP8* of a human rotavirus specifically interacts with A-type histo-blood group antigen. Nature, 2012, 485, 256-259.	13.7	283
167	Adsorption and Aggregation Properties of Norovirus GI and GII Virus-like Particles Demonstrate Differing Responses to Solution Chemistry. Environmental Science & Technology, 2011, 45, 520-526.	4.6	82
168	Norovirus Vaccine against Experimental Human Norwalk Virus Illness. New England Journal of Medicine, 2011, 365, 2178-2187.	13.9	429
169	Protective Effect of Natural Rotavirus Infection in an Indian Birth Cohort. New England Journal of Medicine, 2011, 365, 337-346.	13.9	190
170	Serological Responses to Experimental Norwalk Virus Infection Measured Using a Quantitative Duplex Time-Resolved Fluorescence Immunoassay. Vaccine Journal, 2011, 18, 1187-1190.	3.2	26
171	Structural Analysis of Histo-Blood Group Antigen Binding Specificity in a Norovirus GII.4 Epidemic Variant: Implications for Epochal Evolution. Journal of Virology, 2011, 85, 8635-8645.	1.5	138
172	Reconciliation of Rotavirus Temperature-Sensitive Mutant Collections and Assignment of Reassortment Groups D, J, and K to Genome Segments. Journal of Virology, 2011, 85, 5048-5060.	1.5	10
173	Norwalk virus does not replicate in human macrophages or dendritic cells derived from the peripheral blood of susceptible humans. Virology, 2010, 406, 1-11.	1.1	88
174	Norwalk Virus Assembly and Stability Monitored by Mass Spectrometry. Molecular and Cellular Proteomics, 2010, 9, 1742-1751.	2.5	118
175	Serological Correlate of Protection against Norovirusâ€Induced Gastroenteritis. Journal of Infectious Diseases, 2010, 202, 1212-1218.	1.9	233
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