Sue E Crawford

List of Publications by Year
in descending order

41 papers	4,120 citations	201674 27 h-index	289244 40 g-index
41 all docs	41 docs citations	41 times ranked	4352 citing authors

#	Article	IF	Citations
1	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.	11.0	6
2	Rotavirus-Induced Lipid Droplet Biogenesis Is Critical for Virus Replication. Frontiers in Physiology, 2022, 13, 836870.	2.8	20
3	Novel fold of rotavirus glycan-binding domain predicted by AlphaFold2 and determined by X-ray crystallography. Communications Biology, 2022, 5, 419.	4.4	10
4	Plasmid-based reverse genetics for probing phosphorylation-dependent viroplasm formation in rotaviruses. Virus Research, 2021, 291, 198193.	2.2	6
5	Fusobacterium nucleatum Adheres to Clostridioides difficile via the RadD Adhesin to Enhance Biofilm Formation in Intestinal Mucus. Gastroenterology, 2021, 160, 1301-1314.e8.	1.3	46
6	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.	0.3	0
7	New Insights and Enhanced Human Norovirus Cultivation in Human Intestinal Enteroids. MSphere, 2021, 6, .	2.9	78
8	Bile Goes Viral. Viruses, 2021, 13, 998.	3.3	7
9	Organoids to Dissect Gastrointestinal Virusâ€“Host Interactions: What Have We Learned?. Viruses, 2021, 13, 999.	3.3	11
10	Use of human tissue stem cell-derived organoid cultures to model enterohepatic circulation. American Journal of Physiology - Renal Physiology, 2021, 321, G270-G279.	3.4	7
11	Drivers of transcriptional variance in human intestinal epithelial organoids. Physiological Genomics, 2021, 53, 486-508.	2.3	17
12	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.	7.1	75
13	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.	7.1	63
14	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, .	3.4	26
15	2.7 Ã... cryo-EM structure of rotavirus core protein VP3, a unique capping machine with a helicase activity. Science Advances, 2020, 6, eaay6410.	10.3	16
16	Human Norovirus Cultivation in Nontransformed Stem Cell-Derived Human Intestinal Enteroid Cultures: Success and Challenges. Viruses, 2019, 11, 638.	3.3	84
17	Microbial Metabolic Capacity for Intestinal Folate Production and Modulation of Host Folate Receptors. Frontiers in Microbiology, 2019, 10, 2305.	3.5	95
18	COPII Vesicle Transport Is Required for Rotavirus NSP4 Interaction with the Autophagy Protein LC3 II and Trafficking to Viroplasms. Journal of Virology, 2019, 94, .	3.4	26

#	Article	IF	Citations
19	Human organoid cultures: transformative new tools for human virus studies. Current Opinion in Virology, 2018, 29, 79-86.	5.4	78
20	Engineered Human Gastrointestinal Cultures to Study the Microbiome and Infectious Diseases. Cellular and Molecular Gastroenterology and Hepatology, 2018, 5, 241-251.	4.5	82
21	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.	7.1	39
22	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.	7.1	112
23	Human Intestinal Enteroids: New Models to Study Gastrointestinal Virus Infections. Methods in Molecular Biology, 2017, 1576, 229-247.	0.9	112
24	Rotavirus infection. Nature Reviews Disease Primers, 2017, 3, 17083.	30.5	419
25	Detection of human norovirus in intestinal biopsies from immunocompromised transplant patients. Journal of General Virology, 2016, 97, 2291-2300.	2.9	85
26	Replication of human noroviruses in stem cellâ€“derived human enteroids. Science, 2016, 353, 1387-1393.	12.6	1,056
27	Lipid droplets form complexes with viroplasms and are crucial for rotavirus replication. Current Opinion in Virology, 2016, 19, 11-15.	5.4	51
28	Human Intestinal Enteroids: a New Model To Study Human Rotavirus Infection, Host Restriction, and Pathophysiology. Journal of Virology, 2016, 90, 43-56.	3.4	298
29	Mapping Broadly Reactive Norovirus Genogroup I and II Monoclonal Antibodies. Vaccine Journal, 2015, 22, 168-177.	3.1	15
30	Characterization of Cross-Reactive Norovirus-Specific Monoclonal Antibodies. Vaccine Journal, 2015, 22, 160-167.	3.1	27
31	Prevention and cure of rotavirus infection via TLR5/NLRC4â€“mediated production of IL-22 and IL-18. Science, 2014, 346, 861-865.	12.6	188
32	Structural basis of glycan interaction in gastroenteric viral pathogens. Current Opinion in Virology, 2014, 7, 119-127.	5.4	32
33	Human enteroids as an ex-vivo model of hostâ€“pathogen interactions in the gastrointestinal tract. Experimental Biology and Medicine, 2014, 239, 1124-1134.	2.4	169
34	Identification of human single-chain antibodies with broad reactivity for noroviruses. Protein Engineering, Design and Selection, 2014, 27, 339-349.	2.1	28
35	Viroporin-mediated calcium-activated autophagy. Autophagy, 2013, 9, 797-798.	9.1	46
36	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.	7.1	142

#	Article	IF	Citations
37	Pathogenesis of Rotavirus Gastroenteritis. Novartis Foundation Symposium, 2008, 238, 82-100.	1.1	91
38	Norwalk Virus RNA Is Infectious in Mammalian Cells. Journal of Virology, 2007, 81, 12238-12248.	3.4	141
39	Rotavirus Viremia and Extraintestinal Viral Infection in the Neonatal Rat Model. Journal of Virology, 2006, 80, 4820-4832.	3.4	125
40	Heterotypic Protection and Induction of a Broad Heterotypic Neutralization Response by Rotavirus-Like Particles. Journal of Virology, 1999, 73, 4813-4822.	3.4	73
41	Subunit Rotavirus Vaccine Administered Parenterally to Rabbits Induces Active Protective Immunity. Journal of Virology, 1998, 72, 9233-9246.	3.4	118