

Joseph M Hyser

List of Publications by Year in descending order

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Version: 2024-02-01

33
papers

1,588
citations

331670

21
h-index

477307

29
g-index

34
all docs

34
docs citations

34
times ranked

1797
citing authors

#	ARTICLE	IF	CITATIONS
1	Human enteroids as an <i>ex-vivo</i> model of host–pathogen interactions in the gastrointestinal tract. <i>Experimental Biology and Medicine</i> , 2014, 239, 1124-1134.	2.4	169
2	Autophagy hijacked through viroporin-activated calcium/calmodulin-dependent kinase kinase-2 signaling is required for rotavirus replication. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, E3405-13.	7.1	142
3	<i>Bifidobacterium dentium</i> Fortifies the Intestinal Mucus Layer via Autophagy and Calcium Signaling Pathways. <i>MBio</i> , 2019, 10, .	4.1	141
4	Rotavirus Disrupts Calcium Homeostasis by NSP4 Viroporin Activity. <i>MBio</i> , 2010, 1, .	4.1	121
5	<i>Fusobacterium nucleatum</i> Secretes Outer Membrane Vesicles and Promotes Intestinal Inflammation. <i>MBio</i> , 2021, 12, .	4.1	101
6	Human-Derived <i>Bifidobacterium dentium</i> Modulates the Mammalian Serotonergic System and Gut–Brain Axis. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2021, 11, 221-248.	4.5	73
7	Integrins $\alpha 1 \beta 1$ and $\alpha 2 \beta 1$ are receptors for the rotavirus enterotoxin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 8811-8818.	7.1	71
8	Pathophysiological Consequences of Calcium-Conducting Viroporins. <i>Annual Review of Virology</i> , 2015, 2, 473-496.	6.7	67
9	Human Intestinal Enteroids With Inducible Neurogenin-3 Expression as a Novel Model of Gut Hormone Secretion. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2019, 8, 209-229.	4.5	60
10	Activation of the Endoplasmic Reticulum Calcium Sensor STIM1 and Store-Operated Calcium Entry by Rotavirus Requires NSP4 Viroporin Activity. <i>Journal of Virology</i> , 2013, 87, 13579-13588.	3.4	58
11	The Rotavirus NSP4 Viroporin Domain is a Calcium-conducting Ion Channel. <i>Scientific Reports</i> , 2017, 7, 43487.	3.3	50
12	Rotavirus Calcium Dysregulation Manifests as Dynamic Calcium Signaling in the Cytoplasm and Endoplasmic Reticulum. <i>Scientific Reports</i> , 2019, 9, 10822.	3.3	50
13	Generation of Recombinant Rotavirus Expressing NSP3-UnaG Fusion Protein by a Simplified Reverse Genetics System. <i>Journal of Virology</i> , 2019, 93, .	3.4	45
14	Rotavirus induces intercellular calcium waves through ADP signaling. <i>Science</i> , 2020, 370, .	12.6	44
15	Rotavirus infection induces glycan availability to promote ileum-specific changes in the microbiome aiding rotavirus virulence. <i>Gut Microbes</i> , 2020, 11, 1324-1347.	9.8	43
16	<i>Bifidobacterium dentium</i> -derived γ -glutamylcysteine suppresses ER-mediated goblet cell stress and reduces TNBS-driven colonic inflammation. <i>Gut Microbes</i> , 2021, 13, 1-21.	9.8	41
17	<i>Bacteroides ovatus</i> Promotes IL-22 Production and Reduces Trinitrobenzene Sulfonic Acid–Driven Colonic Inflammation. <i>American Journal of Pathology</i> , 2021, 191, 704-719.	3.8	39
18	Epitope mapping and use of epitope-specific antisera to characterize the VP5 binding site in rotavirus SA11 NSP4. <i>Virology</i> , 2008, 373, 211-228.	2.4	31

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19	Rotavirus vaccines and pathogenesis: 2008. <i>Current Opinion in Gastroenterology</i> , 2009, 25, 36-43.	2.3	30
20	Use of genetically-encoded calcium indicators for live cell calcium imaging and localization in virus-infected cells. <i>Methods</i> , 2015, 90, 28-38.	3.8	28
21	Enteroaggregative <i>E. coli</i> Adherence to Human Heparan Sulfate Proteoglycans Drives Segment and Host Specific Responses to Infection. <i>PLoS Pathogens</i> , 2020, 16, e1008851.	4.7	24
22	Hepatitis B Virus HBx Protein Mediates the Degradation of Host Restriction Factors through the Cullin 4 DDB1 E3 Ubiquitin Ligase Complex. <i>Cells</i> , 2020, 9, 834.	4.1	24
23	Genetic Divergence of Rotavirus Nonstructural Protein 4 Results in Distinct Serogroup-Specific Viroporin Activity and Intracellular Punctate Structure Morphologies. <i>Journal of Virology</i> , 2012, 86, 4921-4934.	3.4	23
24	Reuterin disrupts <i>Clostridioides difficile</i> metabolism and pathogenicity through reactive oxygen species generation. <i>Gut Microbes</i> , 2020, 12, 1795388.	9.8	23
25	Human intestinal enteroids as a model of <i>Clostridioides difficile</i> -induced enteritis. <i>American Journal of Physiology - Renal Physiology</i> , 2020, 318, G870-G888.	3.4	23
26	Structural Plasticity of the Coiled-Coil Domain of Rotavirus NSP4. <i>Journal of Virology</i> , 2014, 88, 13602-13612.	3.4	22
27	Discovery of a bacterial peptide as a modulator of GLP-1 and metabolic disease. <i>Scientific Reports</i> , 2020, 10, 4922.	3.3	22
28	Reovirus NS1-2 Has Viroporin Activity That Induces Aberrant Cellular Calcium Signaling To Facilitate Virus Replication. <i>MSphere</i> , 2019, 4, .	2.9	18
29	Serotonin promotes epithelial restitution through goblet cell mediated secretion of Muc2 and TFF3. <i>FASEB Journal</i> , 2019, 33, 869.1.	0.5	5
30	Title is missing!. , 2020, 16, e1008851.		0
31	Title is missing!. , 2020, 16, e1008851.		0
32	Title is missing!. , 2020, 16, e1008851.		0
33	Title is missing!. , 2020, 16, e1008851.		0