Megan L Stanifer

List of Publications by Year
in descending order

50	4,269	185998 28	189595 50
papers	citations	h-index	g-index

71	71	71	7502
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A colorimetric RT-LAMP assay and LAMP-sequencing for detecting SARS-CoV-2 RNA in clinical samples. Science Translational Medicine, 2020, 12, .	5.8	516
2	SARS-CoV-2 structure and replication characterized by in situ cryo-electron tomography. Nature Communications, 2020, 11, 5885.	5.8	514
3	The Human Polyomavirus, JCV, Uses Serotonin Receptors to Infect Cells. Science, 2004, 306, 1380-1383.	6.0	417
4	Critical Role of Type III Interferon in Controlling SARS-CoV-2 Infection in Human Intestinal Epithelial Cells. Cell Reports, 2020, 32, 107863.	2.9	295
5	TMPRSS2 expression dictates the entry route used by SARSâ€CoVâ€2 to infect host cells. EMBO Journal, 2021, 40, e107821.	3.5	223
6	Interferons and viruses induce a novel truncated ACE2 isoform and not the full-length SARS-CoV-2 receptor. Nature Genetics, 2020, 52, 1283-1293.	9.4	217
7	Integrative Imaging Reveals SARS-CoV-2-Induced Reshaping of Subcellular Morphologies. Cell Host and Microbe, 2020, 28, 853-866.e5.	5.1	213
8	Dynamics of Virus-Receptor Interactions in Virus Binding, Signaling, and Endocytosis. Viruses, 2015, 7, 2794-2815.	1.5	157
9	Differential Regulation of Type I and Type III Interferon Signaling. International Journal of Molecular Sciences, 2019, 20, 1445.	1.8	147
10	miR-16 and miR-125b are involved in barrier function dysregulation through the modulation of claudin-2 and cingulin expression in the jejunum in IBS with diarrhoea. Gut, 2017, 66, 1537.1-1538.	6.1	105
11	Differential induction of interferon stimulated genes between type I and type III interferons is independent of interferon receptor abundance. PLoS Pathogens, 2018, 14, e1007420.	2.1	100
12	Importance of Type I and III Interferons at Respiratory and Intestinal Barrier Surfaces. Frontiers in Immunology, 2020, 11, 608645.	2.2	100
13	Mechanism of membrane fusion induced by vesicular stomatitis virus G protein. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E28-E36.	3.3	98
14	Type I and Type III Interferons Display Different Dependency on Mitogen-Activated Protein Kinases to Mount an Antiviral State in the Human Gut. Frontiers in Immunology, 2017, 8, 459.	2.2	84
15	Singleâ€cell analyses reveal SARSâ€CoVâ€2 interference with intrinsic immune response in the human gut. Molecular Systems Biology, 2021, 17, e10232.	3.2	78
16	3D Correlative Cryo-Structured Illumination Fluorescence and Soft X-ray Microscopy Elucidates Reovirus Intracellular Release Pathway. Cell, 2020, 182, 515-530.e17.	13.5	73
17	Arbidol inhibits viral entry by interfering with clathrin-dependent trafficking. Antiviral Research, 2013, 100, 215-219.	1.9	72
18	Genetic regulation of OAS1 nonsense-mediated decay underlies association with COVID-19 hospitalization in patients of European and African ancestries. Nature Genetics, 2022, 54, 1103-1116.	9.4	54

#	Article	IF	Citations
19	Similar uptake but different trafficking and escape routes of reovirus virions and infectious subvirion particles imaged in polarized Madinâ€“Darby canine kidney cells. Molecular Biology of the Cell, 2013, 24, 1196-1207.	0.9	47
20	Asymmetric distribution of TLR3 leads to a polarized immune response in human intestinal epithelial cells. Nature Microbiology, 2020, 5, 181-191.	5.9	45
21	A diabetic milieu increases ACE2 expression and cellular susceptibility to SARS-CoV-2 infections in human kidney organoids and patient cells. Cell Metabolism, 2022, 34, 857-873.e9.	7.2	40
22	Novel Chimeric Gene Therapy Vectors Based on Adeno-Associated Virus and Four Different Mammalian Bocaviruses. Molecular Therapy - Methods and Clinical Development, 2019, 12, 202-222.	1.8	38
23	Reovirus intermediate subviral particles constitute a strategy to infect intestinal epithelial cells by exploiting TGF-Î² dependent pro-survival signaling. Cellular Microbiology, 2016, 18, 1831-1845.	1.1	36
24	NSs amyloid formation is associated with the virulence of Rift Valley fever virus in mice. Nature Communications, 2020, 11, 3281.	5.8	36
25	TRIM69 Inhibits Vesicular Stomatitis Indiana Virus. Journal of Virology, 2019, 93, .	1.5	35
26	Hypoxic Environment Promotes Barrier Formation in Human Intestinal Epithelial Cells through Regulation of MicroRNA 320a Expression. Molecular and Cellular Biology, 2019, 39, .	1.1	34
27	A Recombinant Vesicular Stomatitis Virus Bearing a Lethal Mutation in the Glycoprotein Gene Uncovers a Second Site Suppressor That Restores Fusion. Journal of Virology, 2011, 85, 8105-8115.	1.5	32
28	Multivalent 9-O-Acetylated-sialic acid glycoclusters as potent inhibitors for SARS-CoV-2 infection. Nature Communications, 2022, 13, 2564.	5.8	32
29	Teratogenic Rubella Virus Alters the Endodermal Differentiation Capacity of Human Induced Pluripotent Stem Cells. Cells, 2019, 8, 870.	1.8	29
30	A family of conserved bacterial virulence factors dampens interferon responses by blocking calcium signaling. Cell, 2022, 185, 2354-2369.e17.	13.5	26
31	Genome packaging of reovirus is mediated by the scaffolding property of the microtubule network. Cellular Microbiology, 2017, 19, e12765.	1.1	25
32	Singleâ€cell transcriptomics reveals immune response of intestinal cell types to viral infection. Molecular Systems Biology, 2021, 17, e9833.	3.2	24
33	Microscopyâ€based assay for semiâ€quantitative detection of SARSâ€CoVâ€2 specific antibodies in human sera. BioEssays, 2021, 43, e2000257.	1.2	22
34	The FDA-Approved Drug Cobicistat Synergizes with Remdesivir To Inhibit SARS-CoV-2 Replication In Vitro and Decreases Viral Titers and Disease Progression in Syrian Hamsters. MBio, 2022, 13, e0370521.	1.8	22
35	Development of Feline Ileum- and Colon-Derived Organoids and Their Potential Use to Support Feline Coronavirus Infection. Cells, 2020, 9, 2085.	1.8	17
36	SARSâ€CoVâ€2 infection remodels the host protein thermal stability landscape. Molecular Systems Biology, 2021, 17, e10188.	3.2	17

#	Article	IF	Citations
37	Increased Sensitivity of SARS-CoV-2 to Type III Interferon in Human Intestinal Epithelial Cells. Journal of Virology, 2022, 96, e0170521.	1.5	17
38	Selective Janus kinase inhibition preserves interferon-Î»â€“mediated antiviral responses. Science Immunology, 2021, 6, .	5.6	16
39	Functional comparison of MERS-coronavirus lineages reveals increased replicative fitness of the recombinant lineage 5. Nature Communications, 2021, 12, 5324.	5.8	11
40	Novel Toscana Virus Reverse Genetics System Establishes NSs as an Antagonist of Type I Interferon Responses. Viruses, 2020, 12, 400.	1.5	10
41	ExÂvivo and inÂvivo suppression of SARS-CoV-2 with combinatorial AAV/RNAi expression vectors. Molecular Therapy, 2022, 30, 2005-2023.	3.7	10
42	Type-Specific Crosstalk Modulates Interferon Signaling in Intestinal Epithelial Cells. Journal of Interferon and Cytokine Research, 2019, 39, 650-660.	0.5	9
43	The origin of diarrhea in rotavirus infection. Science, 2020, 370, 909-910.	6.0	7
44	Reversible Fusion Proteins as a Tool to Enhance Uptake of Virus-Functionalized LbL Microcarriers. Biomacromolecules, 2018, 19, 3212-3223.	2.6	6
45	Conserved Induction of Distinct Antiviral Signalling Kinetics by Primate Interferon Lambda 4 Proteins. Frontiers in Immunology, 2021, 12, 772588.	2.2	6
46	Enhanced Uptake and Endosomal Release of LbL Microcarriers Functionalized with Reversible Fusion Proteins. ACS Applied Bio Materials, 2020, 3, 1553-1567.	2.3	5
47	The endogenous cellular protease inhibitor SPINT2 controls SARS-CoV-2 viral infection and is associated to disease severity. PLoS Pathogens, 2021, 17, e1009687.	2.1	4
48	Invasiveness of Escherichia coli Is Associated with an IncFII Plasmid. Pathogens, 2021, 10, 1645.	1.2	3
49	Mapping the epithelialâ€“immune cell interactome upon infection in the gut and the upper airways. Npj Systems Biology and Applications, 2022, 8, 15.	1.4	3
50	Adapting Gastrointestinal Organoids for Pathogen Infection and Single Cell Sequencing under Biosafety Level 3 (BSL-3) Conditions. Journal of Visualized Experiments, 2021, , .	0.2	1