

Nathan M Sherer

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

45
papers

2,223
citations

21
h-index

47
g-index

51
ext. papers

2,545
ext. citations

7.1
avg, IF

4.78
L-index

#	Paper	IF	Citations
45	HIV RGB: Automated Single-Cell Analysis of HIV-1 Rev-Dependent RNA Nuclear Export and Translation Using Image Processing in KNIME. <i>Viruses</i> , 2022 , 14, 903	6.2	1
44	Perturbing HIV-1 ribosomal frameshifting frequency reveals a preference for Gag-Pol incorporation into assembling virions. <i>Journal of Virology</i> , 2021 , JVI0134921	6.6	1
43	Identification of host proteins differentially associated with HIV-1 RNA splice variants. <i>ELife</i> , 2021 , 10,	8.9	3
42	HIV-1 Protease Inhibitors Slow HPV16-Driven Cell Proliferation through Targeted Depletion of Viral E6 and E7 Oncoproteins. <i>Cancers</i> , 2021 , 13,	6.6	3
41	ZBTB2 represses HIV-1 transcription and is regulated by HIV-1 Vpr and cellular DNA damage responses. <i>PLoS Pathogens</i> , 2021 , 17, e1009364	7.6	2
40	Mediator complex subunit 12 is a gatekeeper of SARS-CoV-2 infection in breast cancer cells. <i>Genes and Diseases</i> , 2021 , 9, 5-5	6.6	1
39	New Extensibility and Scripting Tools in the ImageJ Ecosystem. <i>Current Protocols</i> , 2021 , 1, e204		0
38	B cells infected with Type 2 Epstein-Barr virus (EBV) have increased NFATc1/NFATc2 activity and enhanced lytic gene expression in comparison to Type 1 EBV infection. <i>PLoS Pathogens</i> , 2020 , 16, e1008365	7.6	12
37	Integration of the ImageJ Ecosystem in the KNIME Analytics Platform. <i>Frontiers in Computer Science</i> , 2020 , 2,	3.4	14
36	Spatially Adaptive Colocalization Analysis in Dual-Color Fluorescence Microscopy. <i>IEEE Transactions on Image Processing</i> , 2019 ,	8.7	6
35	Antigen structure affects cellular routing through DC-SIGN. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 14862-14867	11.5	28
34	The Polar Region of the HIV-1 Envelope Protein Determines Viral Fusion and Infectivity by Stabilizing the gp120-gp41 Association. <i>Journal of Virology</i> , 2019 , 93,	6.6	4
33	HIV-1 Vif's Capacity To Manipulate the Cell Cycle Is Species Specific. <i>Journal of Virology</i> , 2018 , 92,	6.6	7
32	LFA-1 Ligation by High-Density ICAM-1 Is Sufficient To Activate IFN- γ Release by Innate T Lymphocytes. <i>Journal of Immunology</i> , 2018 , 201, 2452-2461	5.3	7
31	Subcellular Localization of HIV-1 mRNAs Regulates Sites of Virion Assembly. <i>Journal of Virology</i> , 2017 , 91,	6.6	24
30	Differential Disruption of Nucleocytoplasmic Trafficking Pathways by Rhinovirus 2A Proteases. <i>Journal of Virology</i> , 2017 , 91,	6.6	18
29	Diverse activities of viral cis-acting RNA regulatory elements revealed using multicolor, long-term, single-cell imaging. <i>Molecular Biology of the Cell</i> , 2017 , 28, 476-487	3.5	7

28	Elucidating the in vivo interactome of HIV-1 RNA by hybridization capture and mass spectrometry. <i>Scientific Reports</i> , 2017 , 7, 16965	4.9	23
27	Nuclear Export Signal Masking Regulates HIV-1 Rev Trafficking and Viral RNA Nuclear Export. <i>Journal of Virology</i> , 2017 , 91,	6.6	24
26	Hepatitis B Virus Polymerase Localizes to the Mitochondria, and Its Terminal Protein Domain Contains the Mitochondrial Targeting Signal. <i>Journal of Virology</i> , 2016 , 90, 8705-19	6.6	14
25	Stability of HIV Frameshift Site RNA Correlates with Frameshift Efficiency and Decreased Virus Infectivity. <i>Journal of Virology</i> , 2016 , 90, 6906-6917	6.6	25
24	N-Methylation as a Strategy for Enhancing the Affinity and Selectivity of RNA-binding Peptides: Application to the HIV-1 Frameshift-Stimulating RNA. <i>ACS Chemical Biology</i> , 2016 , 11, 88-94	4.9	33
23	HIV-1 and M-PMV RNA Nuclear Export Elements Program Viral Genomes for Distinct Cytoplasmic Trafficking Behaviors. <i>PLoS Pathogens</i> , 2016 , 12, e1005565	7.6	36
22	Aminoflavone-loaded EGFR-targeted unimolecular micelle nanoparticles exhibit anti-cancer effects in triple negative breast cancer. <i>Biomaterials</i> , 2016 , 101, 20-31	15.6	58
21	HIV-1 Gag, Envelope, and Extracellular Determinants Cooperate To Regulate the Stability and Turnover of Virological Synapses. <i>Journal of Virology</i> , 2016 , 90, 6583-6597	6.6	9
20	Human iNKT Cells Promote Protective Inflammation by Inducing Oscillating Purinergic Signaling in Monocyte-Derived DCs. <i>Cell Reports</i> , 2016 , 16, 3273-3285	10.6	15
19	Differential CARM1 Isoform Expression in Subcellular Compartments and among Malignant and Benign Breast Tumors. <i>PLoS ONE</i> , 2015 , 10, e0128143	3.7	4
18	O-GlcNAcylation of co-activator-associated arginine methyltransferase 1 regulates its protein substrate specificity. <i>Biochemical Journal</i> , 2015 , 466, 587-99	3.8	18
17	Murine leukemia virus Gag localizes to the uropod of migrating primary lymphocytes. <i>Journal of Virology</i> , 2014 , 88, 10541-55	6.6	9
16	Cooperativity among Rev-associated nuclear export signals regulates HIV-1 gene expression and is a determinant of virus species tropism. <i>Journal of Virology</i> , 2014 , 88, 14207-21	6.6	17
15	Long-distance relationships: do membrane nanotubes regulate cell-cell communication and disease progression?. <i>Molecular Biology of the Cell</i> , 2013 , 24, 1095-8	3.5	21
14	HIV-1 replication and APOBEC3 antiviral activity are not regulated by P bodies. <i>Journal of Virology</i> , 2012 , 86, 11712-24	6.6	41
13	Evolution of a species-specific determinant within human CRM1 that regulates the post-transcriptional phases of HIV-1 replication. <i>PLoS Pathogens</i> , 2011 , 7, e1002395	7.6	26
12	SRp40 and SRp55 promote the translation of unspliced human immunodeficiency virus type 1 RNA. <i>Journal of Virology</i> , 2010 , 84, 6748-59	6.6	52
11	Directional spread of surface-associated retroviruses regulated by differential virus-cell interactions. <i>Journal of Virology</i> , 2010 , 84, 3248-58	6.6	34

10	Virus cell-to-cell transmission. <i>Journal of Virology</i> , 2010 , 84, 8360-8	6.6	236
9	Surface Transmission or Polarized Egress? Lessons Learned from HTLV Cell-to-Cell Transmission. <i>Viruses</i> , 2010 , 2, 601-5	6.2	10
8	Assembly of the murine leukemia virus is directed towards sites of cell-cell contact. <i>PLoS Biology</i> , 2009 , 7, e1000163	9.7	76
7	Matrix mediates the functional link between human immunodeficiency virus type 1 RNA nuclear export elements and the assembly competency of Gag in murine cells. <i>Journal of Virology</i> , 2009 , 83, 8525-35	6.6	35
6	Cytonemes and tunneling nanotubules in cell-cell communication and viral pathogenesis. <i>Trends in Cell Biology</i> , 2008 , 18, 414-20	18.3	173
5	Murine leukemia virus spreading in mice impaired in the biogenesis of secretory lysosomes and Ca ²⁺ -regulated exocytosis. <i>PLoS ONE</i> , 2008 , 3, e2713	3.7	6
4	Retroviruses can establish filopodial bridges for efficient cell-to-cell transmission. <i>Nature Cell Biology</i> , 2007 , 9, 310-5	23.4	342
3	Ca ²⁺ and synaptotagmin VII-dependent delivery of lysosomal membrane to nascent phagosomes. <i>Journal of Cell Biology</i> , 2006 , 174, 997-1007	7.3	118
2	Actin- and myosin-driven movement of viruses along filopodia precedes their entry into cells. <i>Journal of Cell Biology</i> , 2005 , 170, 317-25	7.3	313
1	Visualization of retroviral replication in living cells reveals budding into multivesicular bodies. <i>Traffic</i> , 2003 , 4, 785-801	5.7	316