Tom C Hobman

List of Publications by Year
in descending order

64 papers	3,132 citations	147566 31 h-index	168136 53 g-index
68 all docs	68 docs citations	68 times ranked	4934 citing authors

#	Article	IF	Citations
1	Sialic acid-containing glycolipids mediate binding and viral entry of SARS-CoV-2. Nature Chemical Biology, 2022, 18, 81-90.	3.9	141
2	Flavivirus Capsid Proteins Inhibit the Interferon Response. Viruses, 2022, 14, 968.	1.5	6
3	Nsp1 protein of SARS-CoV-2 disrupts the mRNA export machinery to inhibit host gene expression. Science Advances, 2021, 7, .	4.7	154
4	SARS-CoV-2 Nonstructural Protein 1 Inhibits the Interferon Response by Causing Depletion of Key Host Signaling Factors. Journal of Virology, 2021, 95, e0026621.	1.5	72
5	Nodosome Inhibition as a Novel Broad-Spectrum Antiviral Strategy against Arboviruses, Enteroviruses, and SARS-CoV-2. Antimicrobial Agents and Chemotherapy, 2021, 65, e0049121.	1.4	9
6	Peroxisomes exhibit compromised structure and matrix protein content in SARS-CoV-2-infected cells. Molecular Biology of the Cell, 2021, 32, 1273-1282.	0.9	26
7	Infection of Glia by Human Pegivirus Suppresses Peroxisomal and Antiviral Signaling Pathways. Journal of Virology, 2021, 95, e0107421.	1.5	7
8	Endothelium Infection and Dysregulation by SARS-CoV-2: Evidence and Caveats in COVID-19. Viruses, 2021, 13, 29.	1.5	118
9	Mayaro Virus Non-Structural Protein 2 Circumvents the Induction of Interferon in Part by Depleting Host Transcription Initiation Factor IIE Subunit 2. Cells, 2021, 10, 3510.	1.8	4
10	Engineered ACE2 receptor traps potently neutralize SARS-CoV-2. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 28046-28055.	3.3	219
11	Glycomic analysis of host response reveals high mannose as a key mediator of influenza severity. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 26926-26935.	3.3	39
12	Zika Virus and Host Interactions: From the Bench to the Bedside and Beyond. Cells, 2020, 9, 2463.	1.8	4
13	IGF1R is an entry receptor for respiratory syncytial virus. Nature, 2020, 583, 615-619.	13.7	84
14	The HIV-1 Accessory Protein Vpu Downregulates Peroxisome Biogenesis. MBio, 2020, 11, .	1.8	18
15	Use of Primary Human Fetal Astrocytes and Tissue Explants as Ex Vivo Models to Study Zika Virus Infection of the Developing Brain. Methods in Molecular Biology, 2020, 2142, 251-259.	0.4	7
16	HCV and flaviviruses hijack cellular mechanisms for nuclear STAT2 degradation: Up-regulation of PDLIM2 suppresses the innate immune response. PLoS Pathogens, 2019, 15, e1007949.	2.1	24
17	Interplay between Zika Virus and Peroxisomes during Infection. Cells, 2019, 8, 725.	1.8	22
18	Structure-based screening and validation of potential dengue virus inhibitors through classical and QM/MM affinity estimation. Journal of Molecular Graphics and Modelling, 2019, 90, 128-143.	1.3	3

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19	Fibroblast Growth Factor 2 Enhances Zika Virus Infection in Human Fetal Brain. Journal of Infectious Diseases, 2019, 220, 1377-1387.	1.9	23
20	A Direct from Blood/Plasma Reverse Transcriptionâ€“Polymerase Chain Reaction for Dengue Virus Detection in Point-of-Care Settings. American Journal of Tropical Medicine and Hygiene, 2019, 100, 1534-1540.	0.6	7
21	Dual Catalytic Synthesis of Antiviral Compounds Based on Metallocarbeneâ€“Azide Cascade Chemistry. Journal of Organic Chemistry, 2018, 83, 6829-6842.	1.7	14
22	Human Sertoli cells support high levels of Zika virus replication and persistence. Scientific Reports, 2018, 8, 5477.	1.6	75
23	Expression of flavivirus capsids enhance the cellular environment for viral replication by activating Akt-signalling pathways. Virology, 2018, 516, 147-157.	1.1	17
24	Targeted Elimination of Peroxisomes During Viral Infection: Lessons from HIV and Other Viruses. DNA and Cell Biology, 2018, 37, 417-421.	0.9	9
25	Human Fetal Astrocytes Infected with Zika Virus Exhibit Delayed Apoptosis and Resistance to Interferon: Implications for Persistence. Viruses, 2018, 10, 646.	1.5	47
26	Human pegivirusâ€1 associated leukoencephalitis: Clinical and molecular features. Annals of Neurology, 2018, 84, 781-787.	2.8	15
27	The Unique Cofactor Region of Zika Virus NS2Bâ€“NS3 Protease Facilitates Cleavage of Key Host Proteins. ACS Chemical Biology, 2018, 13, 2398-2405.	1.6	45
28	Zika Virus Hijacks Stress Granule Proteins and Modulates the Host Stress Response. Journal of Virology, 2017, 91, .	1.5	96
29	The nucleolar helicase DDX56 redistributes to West Nile virus assembly sites. Virology, 2017, 500, 169-177.	1.1	35
30	MicroRNAs upregulated during HIV infection target peroxisome biogenesis factors: Implications for virus biology, disease mechanisms and neuropathology. PLoS Pathogens, 2017, 13, e1006360.	2.1	65
31	Zika virus inhibits typeâ€I interferon production and downstream signaling. EMBO Reports, 2016, 17, 1766-1775.	2.0	252
32	The Virus-Host Interplay: Biogenesis of +RNA Replication Complexes. Viruses, 2015, 7, 4385-4413.	1.5	42
33	Flavivirus Infection Impairs Peroxisome Biogenesis and Early Antiviral Signaling. Journal of Virology, 2015, 89, 12349-12361.	1.5	73
34	MicroRNAs regulate the immunometabolic response to viral infection in the liver. Nature Chemical Biology, 2015, 11, 988-993.	3.9	76
35	Functional analyses of phosphorylation events in human Argonaute 2. Rna, 2015, 21, 2030-2038.	1.6	22
36	Editorial overview: Viruses and RNA interference. Current Opinion in Virology, 2014, 7, vii-x.	2.6	0

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37	Phosphorylation and membrane association of the Rubella virus capsid protein is important for its anti-apoptotic function. Cellular Microbiology, 2014, 16, 1201-1210.	1.1	9
38	Rubella virus capsid protein structure and its role in virus assembly and infection. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 20105-20110.	3.3	34
39	Regulation of RNA interference by Hsp90 is an evolutionarily conserved process. Biochimica Et Biophysica Acta - Molecular Cell Research, 2013, 1833, 2673-2681.	1.9	12
40	The West Nile Virus Capsid Protein Blocks Apoptosis through a Phosphatidylinositol 3-Kinase-Dependent Mechanism. Journal of Virology, 2013, 87, 872-881.	1.5	65
41	RNA virus capsid proteins: more than just a shell. Future Virology, 2013, 8, 435-450.	0.9	8
42	The helicase activity of DDX56 is required for its role in assembly of infectious West Nile virus particles. Virology, 2012, 433, 226-235.	1.1	47
43	The Karyopherin Sal3 is Required for Nuclear Import ofÂthe Core <scp>RNA</scp> Interference Pathway Protein <scp>Rdp</scp>1. Traffic, 2012, 13, 520-531.	1.3	4
44	West Nile Virus Infection Causes Endocytosis of a Specific Subset of Tight Junction Membrane Proteins. PLoS ONE, 2012, 7, e37886.	1.1	45
45	The Capsid-Binding Nucleolar Helicase DDX56 Is Important for Infectivity of West Nile Virus. Journal of Virology, 2011, 85, 5571-5580.	1.5	71
46	The Rubella Virus Capsid Is an Anti-Apoptotic Protein that Attenuates the Pore-Forming Ability of Bax. PLoS Pathogens, 2011, 7, e1001291.	2.1	33
47	The Kinesin Motor Protein Cut7 Regulates Biogenesis and Function of Ago1â€Complexes. Traffic, 2010, 11, 25-36.	1.3	9
48	Rubella virus capsid protein: a small protein with big functions. Future Microbiology, 2010, 5, 571-584.	1.0	11
49	The Rubella Virus Capsid Protein Inhibits Mitochondrial Import. Journal of Virology, 2010, 84, 119-130.	1.5	34
50	Hsp90 Regulates the Function of Argonaute 2 and Its Recruitment to Stress Granules and P-Bodies. Molecular Biology of the Cell, 2009, 20, 3273-3284.	0.9	122
51	Modulation of signaling pathways by RNA virus capsid proteins. Cellular Signalling, 2008, 20, 1227-1236.	1.7	19
52	Rubella Virus Capsid Protein Interacts with Poly(A)-Binding Protein and Inhibits Translation. Journal of Virology, 2008, 82, 4284-4294.	1.5	53
53	Interactions between the West Nile virus capsid protein and the host cell-encoded phosphatase inhibitor, I₂^{PP2A}. Cellular Microbiology, 2007, 9, 2756-2766.	1.1	31
54	RNA Interference Effector Proteins Localize to Mobile Cytoplasmic Puncta in Schizosaccharomyces pombe. Traffic, 2006, 7, 1032-1044.	1.3	21

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55	Analyses of Phosphorylation Events in the Rubella Virus Capsid Protein: Role in Early Replication Events. Journal of Virology, 2006, 80, 6917-6925.	1.5	21
56	Interactions between the RNA Interference Effector Protein Ago1 and 14-3-3 Proteins. Journal of Biological Chemistry, 2006, 281, 37646-37651.	1.6	19
57	Exploring the functions of RNA interference pathway proteins: some functions are more RISCy than others?. Biochemical Journal, 2005, 387, 561-571.	1.7	41
58	Interactions between Rubella Virus Capsid and Host Protein p32 Are Important for Virus Replication. Journal of Virology, 2005, 79, 10807-10820.	1.5	55
59	Ago1 and Dcr1, Two Core Components of the RNA Interference Pathway, Functionally Diverge from Rdp1 in Regulating Cell Cycle Events in Schizosaccharomyces pombe. Molecular Biology of the Cell, 2004, 15, 1425-1435.	0.9	41
60	Characterization of the interactions between mammalian PAZ PIWI domain proteins and Dicer. EMBO Reports, 2004, 5, 189-194.	2.0	188
61	Phosphorylation of Rubella Virus Capsid Regulates Its RNA Binding Activity and Virus Replication. Journal of Virology, 2003, 77, 1764-1771.	1.5	60
62	Rubella Virus E2 Signal Peptide Is Required for Perinuclear Localization of Capsid Protein and Virus Assembly. Journal of Virology, 2001, 75, 1978-1983.	1.5	28
63	Rubella Virus Capsid Associates with Host Cell Protein p32 and Localizes to Mitochondria. Journal of Virology, 2000, 74, 5569-5576.	1.5	71
64	GERp95, a Membrane-associated Protein that Belongs to a Family of Proteins Involved in Stem Cell Differentiation. Molecular Biology of the Cell, 1999, 10, 3357-3372.	0.9	94