

Mark Harris

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108
papers

4,253
citations

36
h-index

62
g-index

121
ext. papers

4,631
ext. citations

5.7
avg, IF

5.44
L-index

#	Paper	IF	Citations
108	Hepatitis C virus NS5A: tales of a promiscuous protein. <i>Journal of General Virology</i> , 2004 , 85, 2485-2502	4.9	320
107	The Hepatitis C virus NS5A protein activates a phosphoinositide 3-kinase-dependent survival signaling cascade. <i>Journal of Biological Chemistry</i> , 2004 , 279, 12232-41	5.4	175
106	A conserved basic loop in hepatitis C virus p7 protein is required for amantadine-sensitive ion channel activity in mammalian cells but is dispensable for localization to mitochondria. <i>Journal of General Virology</i> , 2004 , 85, 451-461	4.9	142
105	Intracellular proton conductance of the hepatitis C virus p7 protein and its contribution to infectious virus production. <i>PLoS Pathogens</i> , 2010 , 6, e1001087	7.6	135
104	The hepatitis C virus non-structural NS5A protein inhibits activating protein-1 function by perturbing ras-ERK pathway signaling. <i>Journal of Biological Chemistry</i> , 2003 , 278, 17775-84	5.4	130
103	Identification of the Nef-associated kinase as p21-activated kinase 2. <i>Current Biology</i> , 1999 , 9, 1407-10	6.3	119
102	Hepatitis C virus NS5A-mediated activation of phosphoinositide 3-kinase results in stabilization of cellular beta-catenin and stimulation of beta-catenin-responsive transcription. <i>Journal of Virology</i> , 2005 , 79, 5006-16	6.6	118
101	Enhanced hepatitis C virus genome replication and lipid accumulation mediated by inhibition of AMP-activated protein kinase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 11549-54	11.5	109
100	Hepatitis C virus NS5A: enigmatic but still promiscuous 10 years on!. <i>Journal of General Virology</i> , 2015 , 96, 727-738	4.9	108
99	Evidence for the formation of a heptameric ion channel complex by the hepatitis C virus p7 protein in vitro. <i>Journal of Biological Chemistry</i> , 2006 , 281, 37057-68	5.4	108
98	Genotype-dependent sensitivity of hepatitis C virus to inhibitors of the p7 ion channel. <i>Hepatology</i> , 2008 , 48, 1779-90	11.2	99
97	The hepatitis C virus NS5A protein binds to members of the Src family of tyrosine kinases and regulates kinase activity. <i>Journal of General Virology</i> , 2004 , 85, 721-729	4.9	99
96	Optineurin negatively regulates the induction of IFNbeta in response to RNA virus infection. <i>PLoS Pathogens</i> , 2010 , 6, e1000778	7.6	97
95	Virion incorporation of human immunodeficiency virus type 1 Nef is mediated by a bipartite membrane-targeting signal: analysis of its role in enhancement of viral infectivity. <i>Journal of Virology</i> , 1998 , 72, 8833-40	6.6	95
94	All three domains of the hepatitis C virus nonstructural NS5A protein contribute to RNA binding. <i>Journal of Virology</i> , 2010 , 84, 9267-77	6.6	94
93	Cyclophilin A interacts with domain II of hepatitis C virus NS5A and stimulates RNA binding in an isomerase-dependent manner. <i>Journal of Virology</i> , 2011 , 85, 7460-4	6.6	90
92	Role of myristoylation and N-terminal basic residues in membrane association of the human immunodeficiency virus type 1 Nef protein. <i>Journal of General Virology</i> , 2006 , 87, 563-571	4.9	85

91	Domain III of NS5A contributes to both RNA replication and assembly of hepatitis C virus particles. <i>Journal of General Virology</i> , 2009 , 90, 1329-1334	4.9	83
90	Vps4 and the ESCRT-III complex are required for the release of infectious hepatitis C virus particles. <i>Journal of General Virology</i> , 2010 , 91, 362-72	4.9	81
89	Carbon monoxide protects against oxidant-induced apoptosis via inhibition of Kv2.1. <i>FASEB Journal</i> , 2011 , 25, 1519-30	0.9	77
88	High-risk human papillomavirus E5 oncoprotein displays channel-forming activity sensitive to small-molecule inhibitors. <i>Journal of Virology</i> , 2012 , 86, 5341-51	6.6	73
87	Inhibition of hepatitis C virus p7 membrane channels in a liposome-based assay system. <i>Antiviral Research</i> , 2007 , 76, 48-58	10.8	68
86	Signal peptide cleavage and internal targeting signals direct the hepatitis C virus p7 protein to distinct intracellular membranes. <i>Journal of Virology</i> , 2005 , 79, 15525-36	6.6	63
85	Determinants of hepatitis C virus p7 ion channel function and drug sensitivity identified in vitro. <i>Journal of Virology</i> , 2009 , 83, 7970-81	6.6	60
84	Resistance mutations define specific antiviral effects for inhibitors of the hepatitis C virus p7 ion channel. <i>Hepatology</i> , 2011 , 54, 79-90	11.2	59
83	Suppression of a pro-apoptotic K ⁺ channel as a mechanism for hepatitis C virus persistence. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 15903-8	11.5	56
82	Insights into the complexity and functionality of hepatitis C virus NS5A phosphorylation. <i>Journal of Virology</i> , 2014 , 88, 1421-32	6.6	51
81	Structure-guided design affirms inhibitors of hepatitis C virus p7 as a viable class of antivirals targeting virion release. <i>Hepatology</i> , 2014 , 59, 408-22	11.2	49
80	Hepatitis C virus-induced autophagy is independent of the unfolded protein response. <i>Journal of Virology</i> , 2012 , 86, 10724-32	6.6	48
79	Direct visualization of the small hydrophobic protein of human respiratory syncytial virus reveals the structural basis for membrane permeability. <i>FEBS Letters</i> , 2010 , 584, 2786-90	3.8	45
78	Introduction of replication-competent hepatitis C virus transcripts using a tetracycline-regulable baculovirus delivery system. <i>Journal of General Virology</i> , 2004 , 85, 429-439	4.9	45
77	Serine phosphorylation of the hepatitis C virus NS5A protein controls the establishment of replication complexes. <i>Journal of Virology</i> , 2015 , 89, 3123-35	6.6	40
76	Hepatitis C virus NS5A protein interacts with beta-catenin and stimulates its transcriptional activity in a phosphoinositide-3 kinase-dependent fashion. <i>Journal of General Virology</i> , 2010 , 91, 373-81	4.9	40
75	The human immunodeficiency virus type 1 Nef protein binds the Src-related tyrosine kinase Lck SH2 domain through a novel phosphotyrosine independent mechanism. <i>Virology</i> , 1998 , 247, 200-11	3.6	38
74	The subcellular localization of the hepatitis C virus non-structural protein NS2 is regulated by an ion channel-independent function of the p7 protein. <i>Journal of General Virology</i> , 2011 , 92, 819-30	4.9	37

73	The C terminus of NS5A domain II is a key determinant of hepatitis C virus genome replication, but is not required for virion assembly and release. <i>Journal of General Virology</i> , 2013 , 94, 1009-1018	4.9	36
72	Viruses and the fuel sensor: the emerging link between AMPK and virus replication. <i>Reviews in Medical Virology</i> , 2011 , 21, 205-12	11.7	36
71	HIV: a new role for Nef in the spread of HIV. <i>Current Biology</i> , 1999 , 9, R459-61	6.3	36
70	The hepatitis C virus non-structural protein NS5A alters the trafficking profile of the epidermal growth factor receptor. <i>Traffic</i> , 2008 , 9, 1497-509	5.7	35
69	Release of Infectious Hepatitis C Virus from Huh7 Cells Occurs via a trans-Golgi Network-to-Endosome Pathway Independent of Very-Low-Density Lipoprotein Secretion. <i>Journal of Virology</i> , 2016 , 90, 7159-70	6.6	35
68	A conserved proline between domains II and III of hepatitis C virus NS5A influences both RNA replication and virus assembly. <i>Journal of Virology</i> , 2009 , 83, 10788-96	6.6	34
67	Further studies on hepatitis C virus NS5A-SH3 domain interactions: identification of residues critical for binding and implications for viral RNA replication and modulation of cell signalling. <i>Journal of General Virology</i> , 2005 , 86, 1035-1044	4.9	32
66	Efficient delivery and regulable expression of hepatitis C virus full-length and minigenome constructs in hepatocyte-derived cell lines using baculovirus vectors. <i>Journal of General Virology</i> , 2002 , 83, 383-394	4.9	31
65	Hepatitis C virus NS5A protein binds the SH3 domain of the Fyn tyrosine kinase with high affinity: mutagenic analysis of residues within the SH3 domain that contribute to the interaction. <i>Virology Journal</i> , 2008 , 5, 24	6.1	29
64	Flavonoids from <i>Pterogyne nitens</i> Inhibit Hepatitis C Virus Entry. <i>Scientific Reports</i> , 2017 , 7, 16127	4.9	28
63	Multiple roles of the non-structural protein 3 (nsP3) alphavirus unique domain (AUD) during Chikungunya virus genome replication and transcription. <i>PLoS Pathogens</i> , 2019 , 15, e1007239	7.6	27
62	The di-leucine motif in the cytoplasmic tail of CD4 is not required for binding to human immunodeficiency virus type 1 Nef, but is critical for CD4 down-modulation. <i>Journal of General Virology</i> , 2003 , 84, 2705-2713	4.9	26
61	Hepatitis C virus attenuates mitochondrial lipid oxidation by downregulating mitochondrial trifunctional-protein expression. <i>Journal of Virology</i> , 2015 , 89, 4092-101	6.6	25
60	Recombinant human L-ficolin directly neutralizes hepatitis C virus entry. <i>Journal of Innate Immunity</i> , 2014 , 6, 676-84	6.9	25
59	Expression of the NS3 protease of cytopathogenic bovine viral diarrhea virus results in the induction of apoptosis but does not block activation of the beta interferon promoter. <i>Journal of General Virology</i> , 2010 , 91, 133-44	4.9	25
58	Different patterns of BK and JC polyomavirus reactivation following renal transplantation. <i>Journal of Clinical Pathology</i> , 2010 , 63, 714-8	3.9	25
57	A novel method for the measurement of hepatitis C virus infectious titres using the IncuCyte ZOOM and its application to antiviral screening. <i>Journal of Virological Methods</i> , 2015 , 218, 59-65	2.6	24
56	Evaluation of a range of mammalian and mosquito cell lines for use in Chikungunya virus research. <i>Scientific Reports</i> , 2017 , 7, 14641	4.9	24

55	Natural compounds isolated from Brazilian plants are potent inhibitors of hepatitis C virus replication in vitro. <i>Antiviral Research</i> , 2015 , 115, 39-47	10.8	24
54	A role for domain I of the hepatitis C virus NS5A protein in virus assembly. <i>PLoS Pathogens</i> , 2018 , 14, e1006834	7.6	23
53	Early BK polyomavirus (BKV) reactivation in donor kidney is a risk factor for development of BKV-associated nephropathy. <i>Journal of Infectious Diseases</i> , 2013 , 207, 137-41	7	23
52	Hepatitis C virus NS5A inhibits mixed lineage kinase 3 to block apoptosis. <i>Journal of Biological Chemistry</i> , 2013 , 288, 24753-63	5.4	22
51	Characterisation of the role of zinc in the hepatitis C virus NS2/3 auto-cleavage and NS3 protease activities. <i>Journal of Molecular Biology</i> , 2007 , 366, 1652-60	6.5	21
50	Early events in the generation of autophagosomes are required for the formation of membrane structures involved in hepatitis C virus genome replication. <i>Journal of General Virology</i> , 2016 , 97, 680-693	4.9	21
49	Protection of hepatocytes from cytotoxic T cell mediated killing by interferon-alpha. <i>PLoS ONE</i> , 2007 , 2, e791	3.7	20
48	Tagging of NS5A expressed from a functional hepatitis C virus replicon. <i>Journal of General Virology</i> , 2006 , 87, 635-640	4.9	20
47	Perturbation of epidermal growth factor receptor complex formation and Ras signalling in cells harbouring the hepatitis C virus subgenomic replicon. <i>Journal of General Virology</i> , 2005 , 86, 1027-1033	4.9	20
46	Hepatitis C virus RNA replication is regulated by Ras-Erk signalling. <i>Journal of General Virology</i> , 2010 , 91, 671-80	4.9	19
45	The inhibition of cAMP-dependent protein kinase by full-length hepatitis C virus NS3/4A complex is due to ATP hydrolysis. <i>Journal of General Virology</i> , 2001 , 82, 1637-1646	4.9	19
44	Phosphorylation of Serine 225 in Hepatitis C Virus NS5A Regulates Protein-Protein Interactions. <i>Journal of Virology</i> , 2017 , 91,	6.6	18
43	Requirement for chloride channel function during the hepatitis C virus life cycle. <i>Journal of Virology</i> , 2015 , 89, 4023-9	6.6	18
42	SNAP-tagged Chikungunya Virus Replicons Improve Visualisation of Non-Structural Protein 3 by Fluorescence Microscopy. <i>Scientific Reports</i> , 2017 , 7, 5682	4.9	17
41	Chimeric GB virus B genomes containing hepatitis C virus p7 are infectious in vivo. <i>Journal of Hepatology</i> , 2008 , 49, 908-15	13.4	17
40	A link between translation of the hepatitis C virus polyprotein and polymerase function; possible consequences for hyperphosphorylation of NS5A. <i>Journal of General Virology</i> , 2006 , 87, 93-102	4.9	17
39	The broad-spectrum antiviral drug arbidol inhibits foot-and-mouth disease virus genome replication. <i>Journal of General Virology</i> , 2019 , 100, 1293-1302	4.9	17
38	Is the ADP ribose site of the Chikungunya virus NSP3 Macro domain a target for antiviral approaches?. <i>Acta Tropica</i> , 2020 , 207, 105490	3.2	16

37	Persistent Replication of a Chikungunya Virus Replicon in Human Cells Is Associated with Presence of Stable Cytoplasmic Granules Containing Nonstructural Protein 3. <i>Journal of Virology</i> , 2018 , 92,	6.6	16
36	Co-translational myristoylation alters the quaternary structure of HIV-1 Nef in solution. <i>Proteins: Structure, Function and Bioinformatics</i> , 2005 , 60, 658-69	4.2	16
35	Plant-derived antivirals against hepatitis c virus infection. <i>Virology Journal</i> , 2018 , 15, 34	6.1	15
34	Mutation of a C-terminal motif affects Kaposi's sarcoma-associated herpesvirus ORF57 RNA binding, nuclear trafficking, and multimerization. <i>Journal of Virology</i> , 2011 , 85, 7881-91	6.6	15
33	Hepatitis C virus NS5A protein blocks epidermal growth factor receptor degradation via a proline motif- dependent interaction. <i>Journal of General Virology</i> , 2015 , 96, 2133-2144	4.9	12
32	Multiple effects of toxins isolated from <i>Crotalus durissus terrificus</i> on the hepatitis C virus life cycle. <i>PLoS ONE</i> , 2017 , 12, e0187857	3.7	12
31	The stability of secreted, acid-labile H77/JFH-1 hepatitis C virus (HCV) particles is altered by patient isolate genotype 1a p7 sequences. <i>Virology</i> , 2014 , 448, 117-24	3.6	12
30	Genetic and functional heterogeneity of the hepatitis C virus p7 ion channel during natural chronic infection. <i>Virology</i> , 2012 , 423, 30-7	3.6	12
29	Evaluation of canonical siRNA and Dicer substrate RNA for inhibition of hepatitis C virus genome replication--a comparative study. <i>PLoS ONE</i> , 2015 , 10, e0117742	3.7	11
28	Identification of a small molecule inhibitor of Ebola virus genome replication and transcription using in silico screening. <i>Antiviral Research</i> , 2018 , 156, 46-54	10.8	10
27	Identification of a novel phosphorylation site in hepatitis C virus NS5A. <i>Journal of General Virology</i> , 2010 , 91, 2428-32	4.9	10
26	The non-primate hepacivirus 5' untranslated region possesses internal ribosomal entry site activity. <i>Journal of General Virology</i> , 2013 , 94, 2657-2663	4.9	9
25	A prospective study of renal transplant recipients reveals an absence of primary JC polyomavirus infections. <i>Journal of Clinical Virology</i> , 2016 , 77, 101-5	14.5	8
24	A comparative analysis of the fluorescence properties of the wild-type and active site mutants of the hepatitis C virus autoprotease NS2-3. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2010 , 1804, 212-22	4	6
23	Hepatitis C virus in vitro replication is efficiently inhibited by acridone Fac4. <i>Journal of General Virology</i> , 2017 , 98, 1693-1701	4.9	6
22	Epoxide based inhibitors of the hepatitis C virus non-structural 2 autoprotease. <i>Antiviral Research</i> , 2015 , 117, 20-6	10.8	5
21	Regulation of hepatitis C virus replication via threonine phosphorylation of the NS5A protein. <i>Journal of General Virology</i> , 2018 , 99, 62-72	4.9	5
20	A pivotal role of serine 225 phosphorylation in the function of hepatitis C virus NS5A revealed with the application of a phosphopeptide antiserum and super-resolution microscopy		5

19	A diarylamine derived from anthranilic acid inhibits ZIKV replication. <i>Scientific Reports</i> , 2019 , 9, 17703	4.9	5
18	Nucleotide requirements at positions +1 to +4 for the initiation of hepatitis C virus positive-strand RNA synthesis. <i>Journal of General Virology</i> , 2011 , 92, 1082-1086	4.9	4
17	A comparative cell biological analysis reveals only limited functional homology between the NS5A proteins of hepatitis C virus and GB virus B. <i>Journal of General Virology</i> , 2008 , 89, 1911-1920	4.9	4
16	Chikungunya virus entry is strongly inhibited by phospholipase A2 isolated from the venom of <i>Crotalus durissus terrificus</i> . <i>Scientific Reports</i> , 2021 , 11, 8717	4.9	4
15	Visualisation and analysis of hepatitis C virus non-structural proteins using super-resolution microscopy. <i>Scientific Reports</i> , 2018 , 8, 13604	4.9	4
14	Identification of a lead like inhibitor of the hepatitis C virus non-structural NS2 autoprotease. <i>Antiviral Research</i> , 2015 , 124, 54-60	10.8	3
13	Rationally derived inhibitors of hepatitis C virus (HCV) p7 channel activity reveal prospect for bimodal antiviral therapy. <i>ELife</i> , 2020 , 9,	8.9	3
12	Foot-and-mouth disease virus genome replication is unaffected by inhibition of type III phosphatidylinositol-4-kinases. <i>Journal of General Virology</i> , 2016 , 97, 2221-2230	4.9	3
11	Manipulation of both virus- and cell-specific factors is required for robust transient replication of a hepatitis C virus genotype 3a sub-genomic replicon. <i>Journal of General Virology</i> , 2017 , 98, 2495-2506	4.9	3
10	Organometallic Complex Strongly Impairs Chikungunya Virus Entry to the Host Cells. <i>Frontiers in Microbiology</i> , 2020 , 11, 608924	5.7	3
9	Phenotypic analysis of mutations at residue 146 provides insights into the relationship between NS5A hyperphosphorylation and hepatitis C virus genome replication. <i>Journal of General Virology</i> , 2020 , 101, 252-264	4.9	2
8	Insights into the unique characteristics of hepatitis C virus genotype 3 revealed by development of a robust sub-genomic DBN3a replicon. <i>Journal of General Virology</i> , 2020 , 101, 1182-1190	4.9	2
7	Higher-order structures of the foot-and-mouth disease virus RNA-dependent RNA polymerase required for genome replication.. <i>Communications Biology</i> , 2022 , 5, 61	6.7	1
6	Persistent Chikungunya Virus Replication in Human Cells is Associated with Presence of Stable Cytoplasmic Granules Containing Non-structural Protein 3		1
5	Rationally derived inhibitors of hepatitis C virus (HCV) p7 channel activity reveal prospect for bimodal antiviral therapy		1
4	A novel substitution in NS5A enhances the resistance of hepatitis C virus genotype 3 to daclatasvir. <i>Journal of General Virology</i> , 2021 , 102,	4.9	1
3	Structure-function analysis of the equine hepacivirus 5' untranslated region highlights the conservation of translational mechanisms across the hepaciviruses. <i>Journal of General Virology</i> , 2019 , 100, 1501-1514	4.9	0
2	Microbiology Society online workshop on SARS-CoV-2 and COVID-19, Wednesday 29 July 2020. <i>Journal of General Virology</i> , 2020 , 101, 1227-1228	4.9	

1 Hepatitis C Virus **2009**, 47-69