Mark Harris

List of Publications by Year
in descending order

108 papers	4,942 citations	94433 37 h-index	102487 66 g-index
121 all docs	121 docs citations	121 times ranked	4781 citing authors

#	Article	IF	Citations
1	Hepatitis C virus NS5A: tales of a promiscuous protein. Journal of General Virology, 2004, 85, 2485-2502.	2.9	362
2	The Hepatitis C Virus NS5A Protein Activates a Phosphoinositide 3-Kinase-dependent Survival Signaling Cascade. Journal of Biological Chemistry, 2004, 279, 12232-12241.	3.4	199
3	Intracellular Proton Conductance of the Hepatitis C Virus p7 Protein and Its Contribution to Infectious Virus Production. PLoS Pathogens, 2010, 6, e1001087.	4.7	162
4	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. Journal of General Virology, 2004, 85, 451-461.	2.9	149
5	The Hepatitis C Virus Non-structural NS5A Protein Inhibits Activating Proteinâ€“1 Function by Perturbing Ras-ERK Pathway Signaling. Journal of Biological Chemistry, 2003, 278, 17775-17784.	3.4	143
6	Hepatitis C Virus NS5A-Mediated Activation of Phosphoinositide 3-Kinase Results in Stabilization of Cellular Î²-Catenin and Stimulation of Î²-Catenin-Responsive Transcription. Journal of Virology, 2005, 79, 5006-5016.	3.4	137
7	Enhanced hepatitis C virus genome replication and lipid accumulation mediated by inhibition of AMP-activated protein kinase. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 11549-11554.	7.1	126
8	Identification of the Nef-associated kinase as p21-activated kinase 2. Current Biology, 1999, 9, 1407-1411.	3.9	125
9	Evidence for the Formation of a Heptameric Ion Channel Complex by the Hepatitis C Virus P7 Protein in Vitro. Journal of Biological Chemistry, 2006, 281, 37057-37068.	3.4	120
10	Hepatitis C virus NS5A: enigmatic but still promiscuous 10 years on!. Journal of General Virology, 2015, 96, 727-738.	2.9	114
11	Optineurin Negatively Regulates the Induction of IFNÎ² in Response to RNA Virus Infection. PLoS Pathogens, 2010, 6, e1000778.	4.7	112
12	Genotype-dependent sensitivity of hepatitis C virus to inhibitors of the p7 ion channel. Hepatology, 2008, 48, 1779-1790.	7.3	109
13	All Three Domains of the Hepatitis C Virus Nonstructural NS5A Protein Contribute to RNA Binding. Journal of Virology, 2010, 84, 9267-9277.	3.4	108
14	Cyclophilin A Interacts with Domain II of Hepatitis C Virus NS5A and Stimulates RNA Binding in an Isomerase-Dependent Manner. Journal of Virology, 2011, 85, 7460-7464.	3.4	107
15	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. Journal of Virology, 1998, 72, 8833-8840.	3.4	107
16	The hepatitis C virus NS5A protein binds to members of the Src family of tyrosine kinases and regulates kinase activity. Journal of General Virology, 2004, 85, 721-729.	2.9	104
17	Role of myristoylation and N-terminal basic residues in membrane association of the human immunodeficiency virus type 1 Nef protein. Journal of General Virology, 2006, 87, 563-571.	2.9	97
18	Vps4 and the ESCRT-III complex are required for the release of infectious hepatitis C virus particles. Journal of General Virology, 2010, 91, 362-372.	2.9	95

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19	High-Risk Human Papillomavirus E5 Oncoprotein Displays Channel-Forming Activity Sensitive to Small-Molecule Inhibitors. Journal of Virology, 2012, 86, 5341-5351.	3.4	95
20	Domain III of NS5A contributes to both RNA replication and assembly of hepatitis C virus particles. Journal of General Virology, 2009, 90, 1329-1334.	2.9	93
21	Carbon monoxide protects against oxidantâ€induced apoptosis <i>via</i> inhibition of K _v 2.1. FASEB Journal, 2011, 25, 1519-1530.	0.5	82
22	Inhibition of hepatitis C virus p7 membrane channels in a liposome-based assay system. Antiviral Research, 2007, 76, 48-58.	4.1	75
23	Signal Peptide Cleavage and Internal Targeting Signals Direct the Hepatitis C Virus p7 Protein to Distinct Intracellular Membranes. Journal of Virology, 2005, 79, 15525-15536.	3.4	66
24	Determinants of Hepatitis C Virus p7 Ion Channel Function and Drug Sensitivity Identified In Vitro. Journal of Virology, 2009, 83, 7970-7981.	3.4	62
25	Resistance mutations define specific antiviral effects for inhibitors of the hepatitis C virus p7 ion channel. Hepatology, 2011, 54, 79-90.	7.3	62
26	Suppression of a pro-apoptotic K⁺channel as a mechanism for hepatitis C virus persistence. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 15903-15908.	7.1	58
27	Direct visualization of the small hydrophobic protein of human respiratory syncytial virus reveals the structural basis for membrane permeability. FEBS Letters, 2010, 584, 2786-2790.	2.8	56
28	Structureâ€guided design affirms inhibitors of hepatitis C virus p7 as a viable class of antivirals targeting virion release. Hepatology, 2014, 59, 408-422.	7.3	56
29	Insights into the Complexity and Functionality of Hepatitis C Virus NS5A Phosphorylation. Journal of Virology, 2014, 88, 1421-1432.	3.4	55
30	Hepatitis C Virus-Induced Autophagy Is Independent of the Unfolded Protein Response. Journal of Virology, 2012, 86, 10724-10732.	3.4	51
31	Hepatitis C virus NS5A protein interacts with Â-catenin and stimulates its transcriptional activity in a phosphoinositide-3 kinase-dependent fashion. Journal of General Virology, 2010, 91, 373-381.	2.9	48
32	Multiple roles of the non-structural protein 3 (nsP3) alphavirus unique domain (AUD) during Chikungunya virus genome replication and transcription. PLoS Pathogens, 2019, 15, e1007239.	4.7	47
33	Introduction of replication-competent hepatitis C virus transcripts using a tetracycline-regulable baculovirus delivery system. Journal of General Virology, 2004, 85, 429-439.	2.9	46
34	Serine Phosphorylation of the Hepatitis C Virus NS5A Protein Controls the Establishment of Replication Complexes. Journal of Virology, 2015, 89, 3123-3135.	3.4	45
35	The Human Immunodeficiency Virus Type 1 NEF Protein Binds the Src-Related Tyrosine Kinase Lck SH2 Domain Through a Novel Phosphotyrosine Independent Mechanism. Virology, 1998, 247, 200-211.	2.4	42
36	Viruses and the fuel sensor: the emerging link between AMPK and virus replication. Reviews in Medical Virology, 2011, 21, 205-212.	8.3	41

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37	Release of Infectious Hepatitis C Virus from Huh7 Cells Occurs via a <i>trans</i> -Golgi Network-to-Endosome Pathway Independent of Very-Low-Density Lipoprotein Secretion. Journal of Virology, 2016, 90, 7159-7170.	3.4	41
38	A role for domain I of the hepatitis C virus NS5A protein in virus assembly. PLoS Pathogens, 2018, 14, e1006834.	4.7	41
39	Evaluation of a range of mammalian and mosquito cell lines for use in Chikungunya virus research. Scientific Reports, 2017, 7, 14641.	3.3	40
40	Further studies on hepatitis C virus NS5Aâ€“SH3 domain interactions: identification of residues critical for binding and implications for viral RNA replication and modulation of cell signalling. Journal of General Virology, 2005, 86, 1035-1044.	2.9	39
41	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. Journal of General Virology, 2013, 94, 1009-1018.	2.9	39
42	HIV: A new role for Nef in the spread of HIV. Current Biology, 1999, 9, R459-R461.	3.9	38
43	Flavonoids from Pterogyne nitens Inhibit Hepatitis C Virus Entry. Scientific Reports, 2017, 7, 16127.	3.3	38
44	The subcellular localization of the hepatitis C virus non-structural protein NS2 is regulated by an ion channel-independent function of the p7 protein. Journal of General Virology, 2011, 92, 819-830.	2.9	38
45	The Hepatitis C Virus Nonâ€Structural Protein NS5A Alters the Trafficking Profile of the Epidermal Growth Factor Receptor. Traffic, 2008, 9, 1497-1509.	2.7	37
46	A Conserved Proline between Domains II and III of Hepatitis C Virus NS5A Influences both RNA Replication and Virus Assembly. Journal of Virology, 2009, 83, 10788-10796.	3.4	37
47	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. Journal of General Virology, 2010, 91, 133-144.	2.9	34
48	Efficient delivery and regulable expression of hepatitis C virus full-length and minigenome constructs in hepatocyte-derived cell lines using baculovirus vectors. Journal of General Virology, 2002, 83, 383-394.	2.9	34
49	Natural compounds isolated from Brazilian plants are potent inhibitors of hepatitis C virus replication in vitro. Antiviral Research, 2015, 115, 39-47.	4.1	33
50	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. Virology Journal, 2008, 5, 24.	3.4	31
51	Hepatitis C Virus Attenuates Mitochondrial Lipid Î²-Oxidation by Downregulating Mitochondrial Trifunctional-Protein Expression. Journal of Virology, 2015, 89, 4092-4101.	3.4	30
52	Different patterns of BK and JC polyomavirus reactivation following renal transplantation. Journal of Clinical Pathology, 2010, 63, 714-718.	2.0	28
53	Recombinant Human L-Ficolin Directly Neutralizes Hepatitis C Virus Entry. Journal of Innate Immunity, 2014, 6, 676-684.	3.8	28
54	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. Journal of General Virology, 2003, 84, 2705-2713.	2.9	27

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55	Early BK Polyomavirus (BKV) Reactivation in Donor Kidney Is a Risk Factor for Development of BKV-Associated Nephropathy. Journal of Infectious Diseases, 2013, 207, 137-141.	4.0	27
56	Hepatitis C Virus NS5A Inhibits Mixed Lineage Kinase 3 to Block Apoptosis. Journal of Biological Chemistry, 2013, 288, 24753-24763.	3.4	27
57	A novel method for the measurement of hepatitis C virus infectious titres using the IncuCyte ZOOM and its application to antiviral screening. Journal of Virological Methods, 2015, 218, 59-65.	2.1	27
58	Persistent Replication of a Chikungunya Virus Replicon in Human Cells Is Associated with Presence of Stable Cytoplasmic Granules Containing Nonstructural Protein 3. Journal of Virology, 2018, 92, .	3.4	27
59	Chikungunya virus entry is strongly inhibited by phospholipase A2 isolated from the venom of Crotalus durissus terrificus. Scientific Reports, 2021, 11, 8717.	3.3	27
60	SNAP-tagged Chikungunya Virus Replicons Improve Visualisation of Non-Structural Protein 3 by Fluorescence Microscopy. Scientific Reports, 2017, 7, 5682.	3.3	26
61	Early events in the generation of autophagosomes are required for the formation of membrane structures involved in hepatitis C virus genome replication. Journal of General Virology, 2016, 97, 680-693.	2.9	26
62	Characterisation of the Role of Zinc in the Hepatitis C Virus NS2/3 Auto-cleavage and NS3 Protease Activities. Journal of Molecular Biology, 2007, 366, 1652-1660.	4.2	25
63	Multiple effects of toxins isolated from Crotalus durissus terrificus on the hepatitis C virus life cycle. PLoS ONE, 2017, 12, e0187857.	2.5	25
64	Plant-derived antivirals against hepatitis c virus infection. Virology Journal, 2018, 15, 34.	3.4	25
65	Phosphorylation of Serine 225 in Hepatitis C Virus NS5A Regulates Protein-Protein Interactions. Journal of Virology, 2017, 91, .	3.4	24
66	Protection of Hepatocytes from Cytotoxic T Cell Mediated Killing by Interferon-Alpha. PLoS ONE, 2007, 2, e791.	2.5	22
67	The inhibition of cAMP-dependent protein kinase by full-length hepatitis C virus NS3/4A complex is due to ATP hydrolysis. Journal of General Virology, 2001, 82, 1637-1646.	2.9	22
68	The broad-spectrum antiviral drug arbidol inhibits foot-and-mouth disease virus genome replication. Journal of General Virology, 2019, 100, 1293-1302.	2.9	22
69	Perturbation of epidermal growth factor receptor complex formation and Ras signalling in cells harbouring the hepatitis C virus subgenomic replicon. Journal of General Virology, 2005, 86, 1027-1033.	2.9	21
70	Tagging of NS5A expressed from a functional hepatitis C virus replicon. Journal of General Virology, 2006, 87, 635-640.	2.9	21
71	Hepatitis C virus RNA replication is regulated by Ras-Erk signalling. Journal of General Virology, 2010, 91, 671-680.	2.9	21
72	Requirement for Chloride Channel Function during the Hepatitis C Virus Life Cycle. Journal of Virology, 2015, 89, 4023-4029.	3.4	20

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73	Is the ADP ribose site of the Chikungunya virus NSP3 Macro domain a target for antiviral approaches?. Acta Tropica, 2020, 207, 105490.	2.0	20
74	Co-translational myristoylation alters the quaternary structure of HIV-1 Nef in solution. Proteins: Structure, Function and Bioinformatics, 2005, 60, 658-669.	2.6	19
75	A link between translation of the hepatitis C virus polyprotein and polymerase function; possible consequences for hyperphosphorylation of NS5A. Journal of General Virology, 2006, 87, 93-102.	2.9	18
76	Chimeric GB virus B genomes containing hepatitis C virus p7 are infectious in vivo. Journal of Hepatology, 2008, 49, 908-915.	3.7	17
77	Mutation of a C-Terminal Motif Affects Kaposi's Sarcoma-Associated Herpesvirus ORF57 RNA Binding, Nuclear Trafficking, and Multimerization. Journal of Virology, 2011, 85, 7881-7891.	3.4	16
78	Hepatitis C virus NS5A protein blocks epidermal growth factor receptor degradation via a proline motif- dependent interaction. Journal of General Virology, 2015, 96, 2133-2144.	2.9	16
79	Organometallic Complex Strongly Impairs Chikungunya Virus Entry to the Host Cells. Frontiers in Microbiology, 2020, 11, 608924.	3.5	16
80	A diarylamine derived from anthranilic acid inhibits ZIKV replication. Scientific Reports, 2019, 9, 17703.	3.3	15
81	The stability of secreted, acid-labile H77/JFH-1 hepatitis C virus (HCV) particles is altered by patient isolate genotype 1a p7 sequences. Virology, 2014, 448, 117-124.	2.4	14
82	Identification of a small molecule inhibitor of Ebola virus genome replication and transcription using in silico screening. Antiviral Research, 2018, 156, 46-54.	4.1	14
83	Evaluation of Canonical siRNA and Dicer Substrate RNA for Inhibition of Hepatitis C Virus Genome Replication â€" A Comparative Study. PLoS ONE, 2015, 10, e0117742.	2.5	14
84	Genetic and functional heterogeneity of the hepatitis C virus p7 ion channel during natural chronic infection. Virology, 2012, 423, 30-37.	2.4	12
85	Hepatitis C virus in vitro replication is efficiently inhibited by acridone Fac4. Journal of General Virology, 2017, 98, 1693-1701.	2.9	12
86	Identification of a novel phosphorylation site in hepatitis C virus NS5A. Journal of General Virology, 2010, 91, 2428-2432.	2.9	11
87	A prospective study of renal transplant recipients reveals an absence of primary JC polyomavirus infections. Journal of Clinical Virology, 2016, 77, 101-105.	3.1	10
88	The non-primate hepacivirus 5â€² untranslated region possesses internal ribosomal entry site activity. Journal of General Virology, 2013, 94, 2657-2663.	2.9	9
89	Epoxide based inhibitors of the hepatitis C virus non-structural 2 autoprotease. Antiviral Research, 2015, 117, 20-26.	4.1	7
90	Visualisation and analysis of hepatitis C virus non-structural proteins using super-resolution microscopy. Scientific Reports, 2018, 8, 13604.	3.3	7

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91	Foot-and-mouth disease virus genome replication is unaffected by inhibition of type III phosphatidylinositol-4-kinases. Journal of General Virology, 2016, 97, 2221-2230.	2.9	7
92	Regulation of hepatitis C virus replication via threonine phosphorylation of the NS5A protein. Journal of General Virology, 2018, 99, 62-72.	2.9	7
93	A comparative analysis of the fluorescence properties of the wild-type and active site mutants of the hepatitis C virus autoprotease NS2-3. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2010, 1804, 212-222.	2.3	6
94	Insights into the unique characteristics of hepatitis C virus genotype 3 revealed by development of a robust sub-genomic DBN3a replicon. Journal of General Virology, 2020, 101, 1182-1190.	2.9	6
95	Higher-order structures of the foot-and-mouth disease virus RNA-dependent RNA polymerase required for genome replication. Communications Biology, 2022, 5, 61.	4.4	6
96	A comparative cell biological analysis reveals only limited functional homology between the NS5A proteins of hepatitis C virus and GB virus B. Journal of General Virology, 2008, 89, 1911-1920.	2.9	5
97	Nucleotide requirements at positions +1 to +4 for the initiation of hepatitis C virus positive-strand RNA synthesis. Journal of General Virology, 2011, 92, 1082-1086.	2.9	4
98	Manipulation of both virus- and cell-specific factors is required for robust transient replication of a hepatitis C virus genotype 3a sub-genomic replicon. Journal of General Virology, 2017, 98, 2495-2506.	2.9	4
99	Rationally derived inhibitors of hepatitis C virus (HCV) p7 channel activity reveal prospect for bimodal antiviral therapy. ELife, 2020, 9, .	6.0	4
100	Identification of a lead like inhibitor of the hepatitis C virus non-structural NS2 autoprotease. Antiviral Research, 2015, 124, 54-60.	4.1	3
101	Phenotypic analysis of mutations at residue 146 provides insights into the relationship between NS5A hyperphosphorylation and hepatitis C virus genome replication. Journal of General Virology, 2020, 101, 252-264.	2.9	3
102	A novel mutation in the neuraminidase gene of the 2009 pandemic H1N1 influenza A virus confers multidrug resistance. Journal of General Virology, 2018, 99, 275-276.	2.9	2
103	A novel substitution in NS5A enhances the resistance of hepatitis C virus genotype 3 to daclatasvir. Journal of General Virology, 2021, 102, .	2.9	1
104	Hepatitis C Virus. , 2009, , 47-69.		1
105	Structureâ€"function analysis of the equine hepacivirus 5â€² untranslated region highlights the conservation of translational mechanisms across the hepaciviruses. Journal of General Virology, 2019, 100, 1501-1514.	2.9	1
106	On-demand Labeling of SNAP-tagged Viral Protein for Pulse-Chase Imaging, Quench-Pulse-Chase Imaging, and Nanoscopy-based Inspection of Cell Lysates. Bio-protocol, 2019, 9, .	0.4	0
107	Whether you are a virus or a learned society-based virology journal, evolution is critical for success!. Journal of General Virology, 2018, 99, 1-2.	2.9	0
108	Microbiology Society online workshop on SARS-CoV-2 and COVID-19, Wednesday 29 July 2020. Journal of General Virology, 2020, 101, 1227-1228.	2.9	0