Paul Digard

List of Publications by Citations

100 papers	10,343 citations	45 h-index	101 g-index
113 ext. papers	11,712 ext. citations	9.4 avg, IF	5.55 L-index

#	Paper	IF	Citations
100	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). *Autophagy*, **2016**, 12, 1-222	10.2	3838
99	Characterization of an efficient coronavirus ribosomal frameshifting signal: requirement for an RNA pseudoknot. *Cell*, **1989**, 57, 537-47	56.2	568
98	IFITM3 restricts the morbidity and mortality associated with influenza. *Nature*, **2012**, 484, 519-23	50.4	537
97	An overlapping protein-coding region in influenza A virus segment 3 modulates the host response. *Science*, **2012**, 337, 199-204	33.3	441
96	The influenza virus nucleoprotein: a multifunctional RNA-binding protein pivotal to virus replication. *Journal of General Virology*, **2002**, 83, 723-734	4.9	367
95	A complicated message: Identification of a novel PB1-related protein translated from influenza A virus segment 2 mRNA. *Journal of Virology*, **2009**, 83, 8021-31	6.6	273
94	Interaction of the influenza virus nucleoprotein with the cellular CRM1-mediated nuclear export pathway. *Journal of Virology*, **2001**, 75, 408-19	6.6	216
93	Genome packaging in influenza A virus. *Journal of General Virology*, **2010**, 91, 313-28	4.9	211
92	A LC3-interacting motif in the influenza A virus M2 protein is required to subvert autophagy and maintain virion stability. *Cell Host and Microbe*, **2014**, 15, 239-47	23.4	158
91	Identification of a novel splice variant form of the influenza A virus M2 ion channel with an antigenically distinct ectodomain. *PLoS Pathogens*, **2012**, 8, e1002998	7.6	153
90	A Rab11- and microtubule-dependent mechanism for cytoplasmic transport of influenza A virus viral RNA. *Journal of Virology*, **2011**, 85, 4143-56	6.6	148
89	The Rab11 pathway is required for influenza A virus budding and filament formation. *Journal of Virology*, **2010**, 84, 5848-59	6.6	147
88	Codon conservation in the influenza A virus genome defines RNA packaging signals. *Nucleic Acids Research*, **2007**, 35, 1897-907	20.1	141
87	Dynamics of influenza virus infection and pathology. *Journal of Virology*, **2010**, 84, 3974-83	6.6	134
86	Identification of the domains of the influenza A virus M1 matrix protein required for NP binding, oligomerization and incorporation into virions. *Journal of General Virology*, **2007**, 88, 2280-2290	4.9	119
85	Mutational analysis of cis-acting RNA signals in segment 7 of influenza A virus. *Journal of Virology*, **2008**, 82, 11869-79	6.6	118
84	A functional link between the actin cytoskeleton and lipid rafts during budding of filamentous influenza virions. *Virology*, **2002**, 301, 212-25	3.6	113

83	Functional domains of the influenza A virus PB2 protein: identification of NP- and PB1-binding sites. *Virology*, **2004**, 321, 120-33	3.6	103
82	Human gamma delta T cells: a lymphoid lineage cell capable of professional phagocytosis. *Journal of Immunology*, **2009**, 183, 5622-9	5.3	102
81	Small molecule inhibitors of influenza A and B viruses that act by disrupting subunit interactions of the viral polymerase. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, 6247-52	11.5	94
80	Modulation of nuclear localization of the influenza virus nucleoprotein through interaction with actin filaments. *Journal of Virology*, **1999**, 73, 2222-31	6.6	93
79	Identification of amino acid residues of influenza virus nucleoprotein essential for RNA binding. *Journal of Virology*, **1999**, 73, 7357-67	6.6	88
78	Evolutionary conservation of the PA-X open reading frame in segment 3 of influenza A virus. *Journal of Virology*, **2012**, 86, 12411-3	6.6	80
77	Complex formation between influenza virus polymerase proteins expressed in Xenopus oocytes. *Virology*, **1989**, 171, 162-9	3.6	70
76	Quantitative proteomics using SILAC coupled to LC-MS/MS reveals changes in the nucleolar proteome in influenza A virus-infected cells. *Journal of Proteome Research*, **2010**, 9, 5335-45	5.6	69
75	Elevation of CpG frequencies in influenza A genome attenuates pathogenicity but enhances host response to infection. *ELife*, **2016**, 5, e12735	8.9	68
74	A comparative analysis of host responses to avian influenza infection in ducks and chickens highlights a role for the interferon-induced transmembrane proteins in viral resistance. *BMC Genomics*, **2015**, 16, 574	4.5	67
73	Oligomerization of the influenza virus nucleoprotein: identification of positive and negative sequence elements. *Virology*, **1999**, 260, 190-200	3.6	67
72	Lipid raft-dependent targeting of the influenza A virus nucleoprotein to the apical plasma membrane. *Traffic*, **2004**, 5, 979-92	5.7	66
71	Definition of the minimal viral components required for the initiation of unprimed RNA synthesis by influenza virus RNA polymerase. *Nucleic Acids Research*, **2002**, 30, 429-38	20.1	65
70	Individual influenza A virus mRNAs show differential dependence on cellular NXF1/TAP for their nuclear export. *Journal of General Virology*, **2010**, 91, 1290-301	4.9	64
69	A brief history of bird flu. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2019**, 374, 20180257	5.8	63
68	Nuclear export of influenza A virus mRNAs requires ongoing RNA polymerase II activity. *Traffic*, **2007**, 8, 1-11	5.7	63
67	Survival of influenza A(H1N1) on materials found in households: implications for infection control. *PLoS ONE*, **2011**, 6, e27932	3.7	61
66	Genome-wide CRISPR screen identifies host dependency factors for influenza A virus infection. *Nature Communications*, **2020**, 11, 164	17.4	59

65	The PB2-E627K mutation attenuates viruses containing the 2009 H1N1 influenza pandemic polymerase. *MBio*, **2010**, 1,	7.8	55
64	Budding of filamentous and non-filamentous influenza A virus occurs via a VPS4 and VPS28-independent pathway. *Virology*, **2009**, 390, 268-78	3.6	53
63	Using SILAC and quantitative proteomics to investigate the interactions between viral and host proteomes. *Proteomics*, **2012**, 12, 666-72	4.8	50
62	Overlapping signals for translational regulation and packaging of influenza A virus segment 2. *Nucleic Acids Research*, **2011**, 39, 7775-90	20.1	50
61	Temperature-sensitive lesions in two influenza A viruses defective for replicative transcription disrupt RNA binding by the nucleoprotein. *Journal of Virology*, **1999**, 73, 7349-56	6.6	49
60	Interactome analysis of the human respiratory syncytial virus RNA polymerase complex identifies protein chaperones as important cofactors that promote L-protein stability and RNA synthesis. *Journal of Virology*, **2015**, 89, 917-30	6.6	48
59	Temperature sensitive influenza A virus genome replication results from low thermal stability of polymerase-cRNA complexes. *Virology Journal*, **2006**, 3, 58	6.1	48
58	Characterisation of influenza A viruses with mutations in segment 5 packaging signals. *Vaccine*, **2009**, 27, 6270-5	4.1	47
57	Activation of influenza virus RNA polymerase by the 5Sand 3Sterminal duplex of genomic RNA. *Nucleic Acids Research*, **2003**, 31, 1624-32	20.1	45
56	Increased amounts of the influenza virus nucleoprotein do not promote higher levels of viral genome replication. *Journal of General Virology*, **2004**, 85, 3689-3698	4.9	45
55	Influenza--time to target the host?. *New England Journal of Medicine*, **2013**, 369, 191-3	59.2	42
54	Nucleozin targets cytoplasmic trafficking of viral ribonucleoprotein-Rab11 complexes in influenza A virus infection. *Journal of Virology*, **2013**, 87, 4694-703	6.6	41
53	Influence of PB2 host-range determinants on the intranuclear mobility of the influenza A virus polymerase. *Journal of General Virology*, **2011**, 92, 1650-1661	4.9	41
52	Detection of influenza C virus but not influenza D virus in Scottish respiratory samples. *Journal of Clinical Virology*, **2016**, 74, 50-3	14.5	36
51	A quantitative proteomic analysis of lung epithelial (A549) cells infected with 2009 pandemic influenza A virus using stable isotope labelling with amino acids in cell culture. *Proteomics*, **2012**, 12, 1431-6	4.8	36
50	Nuclear dynamics of influenza A virus ribonucleoproteins revealed by live-cell imaging studies. *Virology*, **2009**, 394, 154-63	3.6	34
49	Role of the Rab11 pathway in negative-strand virus assembly. *Biochemical Society Transactions*, **2012**, 40, 1409-15	5.1	31
48	Studies of an influenza A virus temperature-sensitive mutant identify a late role for NP in the formation of infectious virions. *Journal of Virology*, **2009**, 83, 562-71	6.6	31

47	Influenza A virus and the cell nucleus. *Vaccine*, **2006**, 24, 6651-5	4.1	31
46	Human cytomegalovirus inhibitor AL18 also possesses activity against influenza A and B viruses. *Antimicrobial Agents and Chemotherapy*, **2012**, 56, 6009-13	5.9	30
45	Effectiveness of common household cleaning agents in reducing the viability of human influenza A/H1N1. *PLoS ONE*, **2010**, 5, e8987	3.7	28
44	Evidence that the C-terminal PB2-binding region of the influenza A virus PB1 protein is a discrete alpha-helical domain. *FEBS Letters*, **2007**, 581, 5300-6	3.8	27
43	Genome gating and polarized intranuclear trafficking of influenza virus RNPs. *Biology Letters*, **2005**, 1, 113-7	3.6	27
42	Intra-genome variability in the dinucleotide composition of SARS-CoV-2. *Virus Evolution*, **2020**, 6, veaa057	3.7	26
41	Release of filamentous and spherical influenza A virus is not restricted by tetherin. *Journal of General Virology*, **2012**, 93, 963-969	4.9	23
40	Influenza A Virus NS1 Protein Promotes Efficient Nuclear Export of Unspliced Viral M1 mRNA. *Journal of Virology*, **2017**, 91,	6.6	22
39	Secondary structure and structure-activity relationships of peptides corresponding to the subunit interface of herpes simplex virus DNA polymerase. *Journal of Biological Chemistry*, **2000**, 275, 472-8	5.4	22
38	The environmental deposition of influenza virus from patients infected with influenza A(H1N1)pdm09: Implications for infection prevention and control. *Journal of Infection and Public Health*, **2016**, 9, 278-88	7.4	22
37	Role of the B Allele of Influenza A Virus Segment 8 in Setting Mammalian Host Range and Pathogenicity. *Journal of Virology*, **2016**, 90, 9263-84	6.6	21
36	Hybrid Gene Origination Creates Human-Virus Chimeric Proteins during Infection. *Cell*, **2020**, 181, 1502-1517.e23	36.1	19
35	Vaccinia Virus Uses Retromer-Independent Cellular Retrograde Transport Pathways To Facilitate the Wrapping of Intracellular Mature Virions during Virus Morphogenesis. *Journal of Virology*, **2016**, 90, 10120-10132	6.6	19
34	Expression of HIV-1 Vpu leads to loss of the viral restriction factor CD317/Tetherin from lipid rafts and its enhanced lysosomal degradation. *PLoS ONE*, **2013**, 8, e75680	3.7	18
33	A chicken bioreactor for efficient production of functional cytokines. *BMC Biotechnology*, **2018**, 18, 82	3.5	18
32	PA-X antagonises MAVS-dependent accumulation of early type I interferon messenger RNAs during influenza A virus infection. *Scientific Reports*, **2019**, 9, 7216	4.9	17
31	Modelling the Structure and Dynamics of Biological Pathways. *PLoS Biology*, **2016**, 14, e1002530	9.7	16
30	Permissive and restricted virus infection of murine embryonic stem cells. *Journal of General Virology*, **2012**, 93, 2118-2130	4.9	15

29	Mutation of Influenza A Virus PA-X Decreases Pathogenicity in Chicken Embryos and Can Increase the Yield of Reassortant Candidate Vaccine Viruses. *Journal of Virology*, **2019**, 93,	6.6	14
28	Packaging signals in the 5Sends of influenza virus PA, PB1, and PB2 genes as potential targets to develop nucleic-acid based antiviral molecules. *Antiviral Research*, **2011**, 92, 64-72	10.8	13
27	Characterization of the Interactome of the Porcine Reproductive and Respiratory Syndrome Virus Nonstructural Protein 2 Reveals the Hyper Variable Region as a Binding Platform for Association with 14-3-3 Proteins. *Journal of Proteome Research*, **2016**, 15, 1388-401	5.6	12
26	The genetics of virus particle shape in equine influenza A virus. *Influenza and Other Respiratory Viruses*, **2013**, 7 Suppl 4, 81-9	5.6	12
25	Staphylococcus aureus Lipase 1 Enhances Influenza A Virus Replication. *MBio*, **2020**, 11,	7.8	9
24	Engineered Recombinant Single Chain Variable Fragment of Monoclonal Antibody Provides Protection to Chickens Infected with H9N2 Avian Influenza. *Vaccines*, **2020**, 8,	5.3	8
23	The cellular localization of avian influenza virus PB1-F2 protein alters the magnitude of IFN2 promoter and NFB-dependent promoter antagonism in chicken cells. *Journal of General Virology*, **2019**, 100, 414-430	4.9	8
22	Asparagine Deprivation Causes a Reversible Inhibition of Human Cytomegalovirus Acute Virus Replication. *MBio*, **2019**, 10,	7.8	7
21	Comprehensive Characterization of Transcriptional Activity during Influenza A Virus Infection Reveals Biases in Cap-Snatching of Host RNA Sequences. *Journal of Virology*, **2020**, 94,	6.6	6
20	STING nuclear partners contribute to innate immune signaling responses. *IScience*, **2021**, 24, 103055	6.1	6
19	Contribution of Segment 3 to the Acquisition of Virulence in Contemporary H9N2 Avian Influenza Viruses. *Journal of Virology*, **2020**, 94,	6.6	5
18	Effects of mutations in the effector domain of influenza A virus NS1 protein. *BMC Research Notes*, **2018**, 11, 673	2.3	5
17	Face Coverings and Respiratory Tract Droplet Dispersion		4
16	Compositional biases in RNA viruses: Causes, consequences and applications. *Wiley Interdisciplinary Reviews RNA*, **2021**, e1679	9.3	4
15	An alternative AUG codon in segment 5 of the 2009 pandemic influenza A virus is a swine-derived virulence motif		3
14	Accessory Gene Products of Influenza A Virus. *Cold Spring Harbor Perspectives in Medicine*, **2021**, 11,	5.4	3
13	Comparison of the efficacy of a commercial inactivated influenza A/H1N1/pdm09 virus (pH1N1) vaccine and two experimental M2e-based vaccines against pH1N1 challenge in the growing pig model. *PLoS ONE*, **2018**, 13, e0191739	3.7	2
12	Heterogeneity of Early Host Response to Infection with Four Low-Pathogenic H7 Viruses with a Different Evolutionary History in the Field. *Viruses*, **2021**, 13,	6.2	2

List of Publications

11	Mutation of influenza A virus PA-X decreases pathogenicity in chicken embryos and can increase the yield of reassortant candidate vaccine viruses		2
10	Rapid selection of P323L in the SARS-CoV-2 polymerase (NSP12) in humans and non-human primate models and confers a large plaque phenotype		2
9	Interaction of the influenza virus nucleoprotein with F-actin. *International Congress Series*, **2001**, 1219, 503-512		1
8	Comprehensive characterisation of molecular host-pathogen interactions in influenza A virus-infected human macrophages		1
7	Upstream translation initiation expands the coding capacity of segmented negative-strand RNA viruses		1
6	Intra-genome variability in the dinucleotide composition of SARS-CoV-2		1
5	Segment 2 from influenza A(H1N1) 2009 pandemic viruses confers temperature-sensitive haemagglutinin yield on candidate vaccine virus growth in eggs that can be epistatically complemented by PB2 701D. *Journal of General Virology*, **2019**, 100, 1079-1092	4.9	1
4	PA-X is an avian virulence factor in H9N2 avian influenza virus		1
3	PA-X is an avian virulence factor in H9N2 avian influenza virus. *Journal of General Virology*, **2021**, 102,	4.9	1
2	Constitutive TRIM22 Expression in the Respiratory Tract Confers a Pre-Existing Defence Against Influenza A Virus Infection. *Frontiers in Cellular and Infection Microbiology*, **2021**, 11, 689707	5.9	0
1	Orthomyxovirus Genome Transcription and Replication **2009**, 163-180		