Gavin Wg Wilkinson

List of Publications by Citations

66 papers	5,591 citations	41 h-index	70 g-index
70 ext. papers	6,225 ext. citations	10.1 avg, IF	4.77 L-index

#	Paper	IF	Citations
66	Surface expression of HLA-E, an inhibitor of natural killer cells, enhanced by human cytomegalovirus gpUL40. *Science*, **2000**, 287, 1031	33.3	478
65	Genetic content of wild-type human cytomegalovirus. *Journal of General Virology*, **2004**, 85, 1301-1312	4.9	439
64	A recombinant vaccinia virus encoding human papillomavirus types 16 and 18, E6 and E7 proteins as immunotherapy for cervical cancer. *Lancet, The*, **1996**, 347, 1523-7	40	434
63	Quantitative temporal viromics: an approach to investigate host-pathogen interaction. *Cell*, **2014**, 157, 1460-1472	56.2	292
62	The human cytomegalovirus US6 glycoprotein inhibits transporter associated with antigen processing-dependent peptide translocation. *Proceedings of the National Academy of Sciences of the United States of America*, **1997**, 94, 6904-9	11.5	241
61	Downregulation of natural killer cell-activating ligand CD155 by human cytomegalovirus UL141. *Nature Immunology*, **2005**, 6, 181-8	19.1	207
60	Constitutive and enhanced expression from the CMV major IE promoter in a defective adenovirus vector. *Nucleic Acids Research*, **1992**, 20, 2233-9	20.1	197
59	Modulation of natural killer cells by human cytomegalovirus. *Journal of Clinical Virology*, **2008**, 41, 206-12	4.5	196
58	Reconstruction of the complete human cytomegalovirus genome in a BAC reveals RL13 to be a potent inhibitor of replication. *Journal of Clinical Investigation*, **2010**, 120, 3191-208	15.9	168
57	The structure of the major immediate early gene of human cytomegalovirus strain AD169. *Virus Research*, **1985**, 2, 107-21	6.4	165
56	High-resolution human cytomegalovirus transcriptome. *Proceedings of the National Academy of Sciences of the United States of America*, **2011**, 108, 19755-60	11.5	161
55	Human Daxx-mediated repression of human cytomegalovirus gene expression correlates with a repressive chromatin structure around the major immediate early promoter. *Journal of Biological Chemistry*, **2006**, 281, 37652-60	5.4	129
54	UL40-mediated NK evasion during productive infection with human cytomegalovirus. *Proceedings of the National Academy of Sciences of the United States of America*, **2002**, 99, 7570-5	11.5	125
53	Two novel spliced genes in human cytomegalovirus. *Journal of General Virology*, **2003**, 84, 1117-1122	4.9	116
52	Human cytomegalovirus encodes an MHC class I-like molecule (UL142) that functions to inhibit NK cell lysis. *Journal of Immunology*, **2005**, 175, 7457-65	5.3	116
51	The human cytomegalovirus MHC class I homolog UL18 inhibits LIR-1+ but activates LIR-1- NK cells. *Journal of Immunology*, **2007**, 178, 4473-81	5.3	105
50	Two novel human cytomegalovirus NK cell evasion functions target MICA for lysosomal degradation. *PLoS Pathogens*, **2014**, 10, e1004058	7.6	96

49	Use of recombinant plasmids to investigate the structure of the human cytomegalovirus genome. *Journal of General Virology*, **1982**, 59, 111-29	4.9	91
48	Re-engineering adenovirus vector systems to enable high-throughput analyses of gene function. *BioTechniques*, **2008**, 45, 659-62, 664-8	2.5	85
47	Transcription of the immediate early genes of human cytomegalovirus strain AD169. *Virus Research*, **1984**, 1, 101-6	6.4	85
46	Adenovirus E3/19K promotes evasion of NK cell recognition by intracellular sequestration of the NKG2D ligands major histocompatibility complex class I chain-related proteins A and B. *Journal of Virology*, **2008**, 82, 4585-94	6.6	80
45	Human cytomegalovirus: taking the strain. *Medical Microbiology and Immunology*, **2015**, 204, 273-84	4	76
44	Human cytomegalovirus glycoprotein UL141 targets the TRAIL death receptors to thwart host innate antiviral defenses. *Cell Host and Microbe*, **2013**, 13, 324-35	23.4	75
43	High-level expression of the tick-borne encephalitis virus NS1 protein by using an adenovirus-based vector: protection elicited in a murine model. *Journal of Virology*, **1992**, 66, 2086-95	6.6	69
42	Homology between the human cytomegalovirus RL11 gene family and human adenovirus E3 genes. *Journal of General Virology*, **2003**, 84, 657-663	4.9	69
41	Nucleotide sequence of the most abundantly transcribed early gene of human cytomegalovirus strain AD169. *Virus Research*, **1987**, 7, 17-31	6.4	67
40	The TNF-like protein 1A-death receptor 3 pathway promotes macrophage foam cell formation in vitro. *Journal of Immunology*, **2010**, 184, 5827-34	5.3	66
39	High-level expression of the measles virus nucleocapsid protein by using a replication-deficient adenovirus vector: induction of an MHC-1-restricted CTL response and protection in a murine model. *Virology*, **1995**, 210, 456-65	3.6	65
38	Human cytomegalovirus UL40 signal peptide regulates cell surface expression of the NK cell ligands HLA-E and gpUL18. *Journal of Immunology*, **2012**, 188, 2794-804	5.3	61
37	Stability of human cytomegalovirus genotypes in persistently infected renal transplant recipients. *Journal of Medical Virology*, **2005**, 75, 42-6	19.7	58
36	Human telomerase reverse transcriptase-immortalized MRC-5 and HCA2 human fibroblasts are fully permissive for human cytomegalovirus. *Journal of General Virology*, **2001**, 82, 855-863	4.9	57
35	Plasma membrane profiling defines an expanded class of cell surface proteins selectively targeted for degradation by HCMV US2 in cooperation with UL141. *PLoS Pathogens*, **2015**, 11, e1004811	7.6	55
34	Neutrophils recruited by IL-22 in peripheral tissues function as TRAIL-dependent antiviral effectors against MCMV. *Cell Host and Microbe*, **2014**, 15, 471-83	23.4	49
33	Expression of the measles virus nucleoprotein gene in Escherichia coli and assembly of nucleocapsid-like structures. *Gene*, **1995**, 160, 173-8	3.8	49
32	Genotypic analysis of two hypervariable human cytomegalovirus genes. *Journal of Medical Virology*, **2008**, 80, 1615-23	19.7	48

31	High-Definition Analysis of Host Protein Stability during Human Cytomegalovirus Infection Reveals Antiviral Factors and Viral Evasion Mechanisms. *Cell Host and Microbe*, **2018**, 24, 447-460.e11	23.4	47
30	Differential requirements of the C terminus of Nbs1 in suppressing adenovirus DNA replication and promoting concatemer formation. *Journal of Virology*, **2008**, 82, 8362-72	6.6	47
29	Development of recombinant adenoviruses that drive high level expression of the human metalloproteinase-9 and tissue inhibitor of metalloproteinase-1 and -2 genes: characterization of their infection into rabbit smooth muscle cells and human MCF-7 adenocarcinoma cells. *Matrix Biology*, **1996**, 15, 383-95	11.4	47
28	HCMV pUL135 remodels the actin cytoskeleton to impair immune recognition of infected cells. *Cell Host and Microbe*, **2014**, 16, 201-214	23.4	46
27	Control of immune ligands by members of a cytomegalovirus gene expansion suppresses natural killer cell activation. *ELife*, **2017**, 6,	8.9	46
26	Central nervous system toxicity of two adenoviral vectors encoding variants of the herpes simplex virus type 1 thymidine kinase: reduced cytotoxicity of a truncated HSV1-TK. *Gene Therapy*, **2000**, 7, 679-85	4	45
25	Cytomegalovirus destruction of focal adhesions revealed in a high-throughput Western blot analysis of cellular protein expression. *Journal of Virology*, **2007**, 81, 7860-72	6.6	41
24	Posttranscriptional suppression of interleukin-6 production by human cytomegalovirus. *Journal of Virology*, **2005**, 79, 472-85	6.6	38
23	IL-10 restricts activation-induced death of NK cells during acute murine cytomegalovirus infection. *Journal of Immunology*, **2011**, 187, 2944-52	5.3	37
22	Human cytomegalovirus interactome analysis identifies degradation hubs, domain associations and viral protein functions. *ELife*, **2019**, 8,	8.9	32
21	Immunization of mice with plasmid DNA expressing the measles virus nucleoprotein gene. *Viral Immunology*, **1996**, 9, 65-71	1.7	28
20	HIV-1 indicator cell lines. *Aids*, **1991**, 5, 153-8	3.5	25
19	Agonist-stimulated free calcium in subcellular compartments. Delivery of recombinant aequorin to organelles using a replication deficient adenovirus vector. *Cell Calcium*, **1996**, 19, 133-42	4	24
18	CTL epitopes identified with a defective recombinant adenovirus expressing measles virus nucleoprotein and evaluation of their protective capacity in mice. *Virus Research*, **1999**, 65, 75-86	6.4	23
17	The most abundantly transcribed human cytomegalovirus gene (beta 2.7) is non-essential for growth in vitro. *Journal of General Virology*, **2003**, 84, 2511-2516	4.9	22
16	Analysis of the human herpesvirus-6 immediate-early 1 protein. *Journal of General Virology*, **2002**, 83, 2811-2820	4.9	18
15	The inhibitor of cyclin-dependent kinases, olomoucine II, exhibits potent antiviral properties. *Antiviral Chemistry and Chemotherapy*, **2010**, 20, 133-42	3.5	16
14	Differential relocation and stability of PML-body components during productive human cytomegalovirus infection: detailed characterization by live-cell imaging. *European Journal of Cell Biology*, **2010**, 89, 757-68	6.1	16

List of Publications

13	Abrogation of the interferon response promotes more efficient human cytomegalovirus replication. *Journal of Virology*, **2015**, 89, 1479-83	6.6	15
12	Characterization and manipulation of the human adenovirus 4 genome. *Journal of General Virology*, **2004**, 85, 3361-3366	4.9	13
11	A high-efficiency system of natural killer cell cloning. *Journal of Immunological Methods*, **2005**, 307, 24-33	2.5	13
10	CD200 receptor restriction of myeloid cell responses antagonizes antiviral immunity and facilitates cytomegalovirus persistence within mucosal tissue. *PLoS Pathogens*, **2015**, 11, e1004641	7.6	12
9	Analysis of human herpesvirus-6 IE1 sequence variation in clinical samples. *Journal of Medical Virology*, **2003**, 71, 578-84	19.7	11
8	An outbreak of epidemic keratoconjunctivitis caused by adenovirus type 37. *Journal of Medical Microbiology*, **1998**, 47, 91-4	3.2	11
7	Gene therapy and viral vaccination: the interface. *British Medical Bulletin*, **1995**, 51, 205-16	5.4	10
6	HPV integration detection in CaSki and SiHa using detection of integrated papillomavirus sequences and restriction-site PCR. *Journal of Virological Methods*, **2014**, 206, 51-4	2.6	9
5	Potential for Natural Killer Cell-Mediated Antibody-Dependent Cellular Cytotoxicity for Control of Human Cytomegalovirus. *Antibodies*, **2013**, 2, 617-635	7	5
4	Jenner's irony: cowpox taps into T cell evasion. *Cell Host and Microbe*, **2009**, 6, 395-7	23.4	3
3	Monoclonal antibodies targeting nonstructural viral antigens can activate ADCC against human cytomegalovirus. *Journal of Clinical Investigation*, **2021**, 131,	15.9	3
2	Therapeutic vaccines for cervical cancer: concept and clinical results. *BioDrugs*, **1997**, 8, 331-8	7.9	2
1	Adenovirus cancer gene therapy. *Perspectives in Medical Virology*, **2001**, 5, 479-521		