

# Deborah H Spector

## List of Publications by Year in descending order

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79  
papers

4,667  
citations

76196

40  
h-index

106150

65  
g-index

79  
all docs

79  
docs citations

79  
times ranked

2989  
citing authors

#	ARTICLE	IF	CITATIONS
1	Provirus of avian sarcoma virus are terminally redundant, co-extensive with unintegrated linear DNA and integrated at many sites. <i>Cell</i> , 1978, 15, 1397-1410.	13.5	423
2	Transcription in human fibroblasts permissively infected by human cytomegalovirus strain AD169. <i>Virology</i> , 1983, 125, 31-46.	1.1	257
3	A Human Cytomegalovirus-Encoded microRNA Regulates Expression of Multiple Viral Genes Involved in Replication. <i>PLoS Pathogens</i> , 2007, 3, e163.	2.1	234
4	Cell Cycle Dysregulation by Human Cytomegalovirus: Influence of the Cell Cycle Phase at the Time of Infection and Effects on Cyclin Transcription. <i>Journal of Virology</i> , 1998, 72, 3729-3741.	1.5	173
5	Heterogeneity of genetic loci in chickens: analysis of endogenous viral and nonviral genes by cleavage of DNA with restriction endonucleases. <i>Cell</i> , 1979, 18, 347-359.	13.5	164
6	Cytomegalovirus Activates Interferon Immediate-Early Response Gene Expression and an Interferon Regulatory Factor 3-Containing Interferon-Stimulated Response Element-Binding Complex. <i>Molecular and Cellular Biology</i> , 1998, 18, 3796-3802.	1.1	146
7	Genome-Wide Analysis Reveals a Highly Diverse CD8 T Cell Response to Murine Cytomegalovirus. <i>Journal of Immunology</i> , 2006, 176, 3760-3766.	0.4	136
8	High-Resolution Profiling and Analysis of Viral and Host Small RNAs during Human Cytomegalovirus Infection. <i>Journal of Virology</i> , 2012, 86, 226-235.	1.5	134
9	Exploitation of cellular signaling and regulatory pathways by human cytomegalovirus. <i>Trends in Microbiology</i> , 2000, 8, 111-119.	3.5	123
10	p53 and RPA Are Sequestered in Viral Replication Centers in the Nuclei of Cells Infected with Human Cytomegalovirus. <i>Journal of Virology</i> , 1998, 72, 2033-2039.	1.5	120
11	Uninfected avian cells contain RNA related to the transforming gene of avian sarcoma viruses. <i>Cell</i> , 1978, 13, 371-379.	13.5	118
12	Extracellular Signal-Regulated Kinase Activity Is Sustained Early during Human Cytomegalovirus Infection. <i>Journal of Virology</i> , 1998, 72, 9173-9180.	1.5	101
13	Molecular cloning and restriction endonuclease mapping of the murine cytomegalovirus genome (Smith strain). <i>Virology</i> , 1983, 129, 94-106.	1.1	95
14	Characteristics of cellular RNA related to the transforming gene of avian sarcoma viruses. <i>Cell</i> , 1978, 13, 381-386.	13.5	90
15	Cyclin-Dependent Kinase Activity Is Required at Early Times for Accurate Processing and Accumulation of the Human Cytomegalovirus UL122-123 and UL37 Immediate-Early Transcripts and at Later Times for Virus Production. <i>Journal of Virology</i> , 2004, 78, 11219-11232.	1.5	79
16	Small Internal Deletions in the Human Cytomegalovirus IE2 Gene Result in Nonviable Recombinant Viruses with Differential Defects in Viral Gene Expression. <i>Journal of Virology</i> , 2004, 78, 1817-1830.	1.5	77
17	Activation and Regulation of Human Cytomegalovirus Early Genes. <i>Intervirology</i> , 1996, 39, 361-377.	1.2	75
18	Infection of Cells with Human Cytomegalovirus during S Phase Results in a Blockade to Immediate-Early Gene Expression That Can Be Overcome by Inhibition of the Proteasome. <i>Journal of Virology</i> , 2002, 76, 5369-5379.	1.5	70

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19	Suppression of Murine Cytomegalovirus (MCMV) Replication with a DNA Vaccine Encoding MCMV M84 (a Homolog of Human Cytomegalovirus pp65). <i>Journal of Virology</i> , 2000, 74, 3696-3708.	1.5	65
20	Mechanisms Governing Maintenance of Cdk1/Cyclin B1 Kinase Activity in Cells Infected with Human Cytomegalovirus. <i>Journal of Virology</i> , 2003, 77, 13214-13224.	1.5	65
21	25-Hydroxycholesterol Activates the Integrated Stress Response to Reprogram Transcription and Translation in Macrophages. <i>Journal of Biological Chemistry</i> , 2013, 288, 35812-35823.	1.6	64
22	Proteasome Subunits Relocalize during Human Cytomegalovirus Infection, and Proteasome Activity Is Necessary for Efficient Viral Gene Transcription. <i>Journal of Virology</i> , 2010, 84, 3079-3093.	1.5	63
23	Human Cytomegalovirus Infection of Human Embryonic Stem Cell-Derived Primitive Neural Stem Cells Is Restricted at Several Steps but Leads to the Persistence of Viral DNA. <i>Journal of Virology</i> , 2014, 88, 4021-4039.	1.5	63
24	Cyclin-Dependent Kinase Activity Is Required for Efficient Expression and Posttranslational Modification of Human Cytomegalovirus Proteins and for Production of Extracellular Particles. <i>Journal of Virology</i> , 2006, 80, 5886-5896.	1.5	62
25	Inhibition of the Cyclin-Dependent Kinases at the Beginning of Human Cytomegalovirus Infection Specifically Alters the Levels and Localization of the RNA Polymerase II Carboxyl-Terminal Domain Kinases cdk9 and cdk7 at the Viral Transcriptosome. <i>Journal of Virology</i> , 2008, 82, 394-407.	1.5	62
26	Human Cytomegalovirus Infection Induces Specific Hyperphosphorylation of the Carboxyl-Terminal Domain of the Large Subunit of RNA Polymerase II That Is Associated with Changes in the Abundance, Activity, and Localization of cdk9 and cdk7. <i>Journal of Virology</i> , 2005, 79, 15477-15493.	1.5	61
27	Trehalose, an mTOR-Independent Inducer of Autophagy, Inhibits Human Cytomegalovirus Infection in Multiple Cell Types. <i>Journal of Virology</i> , 2016, 90, 1259-1277.	1.5	60
28	Viral induction of site-specific chromosome damage. <i>Reviews in Medical Virology</i> , 2003, 13, 21-37.	3.9	59
29	Viable Human Cytomegalovirus Recombinant Virus with an Internal Deletion of the IE2 86 Gene Affects Late Stages of Viral Replication. <i>Journal of Virology</i> , 2002, 76, 2973-2989.	1.5	57
30	Human cytomegalovirus riding the cell cycle. <i>Medical Microbiology and Immunology</i> , 2015, 204, 409-419.	2.6	55
31	Transcription analysis and sequence of the putative murine cytomegalovirus DNA polymerase gene. <i>Virology</i> , 1991, 185, 169-186.	1.1	52
32	Human Cytomegalovirus Infection Leads to Accumulation of Geminin and Inhibition of the Licensing of Cellular DNA Replication. <i>Journal of Virology</i> , 2003, 77, 2369-2376.	1.5	50
33	Accumulation of Substrates of the Anaphase-Promoting Complex (APC) during Human Cytomegalovirus Infection Is Associated with the Phosphorylation of Cdh1 and the Dissociation and Relocalization of APC Subunits. <i>Journal of Virology</i> , 2008, 82, 529-537.	1.5	50
34	Regulation of Human Cytomegalovirus Gene Expression. <i>Advances in Virus Research</i> , 1999, 54, 61-128.	0.9	48
35	Recombinant antibodies encoded by IGHV1-69 react with pUL32, a phosphoprotein of cytomegalovirus and B-cell superantigen. <i>Blood</i> , 2012, 119, 2293-2301.	0.6	48
36	Development of a Vaccine against Murine Cytomegalovirus (MCMV), Consisting of Plasmid DNA and Formalin-Inactivated MCMV, That Provides Long-Term, Complete Protection against Viral Replication. <i>Journal of Virology</i> , 2002, 76, 4822-4835.	1.5	46

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37	In Vivo Replication, Latency, and Immunogenicity of Murine Cytomegalovirus Mutants with Deletions in the M83 and M84 Genes, the Putative Homologs of Human Cytomegalovirus pp65 (UL83). <i>Journal of Virology</i> , 1999, 73, 7678-7693.	1.5	45
38	Polyadenylic acid on poliovirus RNA. <i>Virology</i> , 1975, 67, 498-505.	1.1	43
39	Dysregulation of Cyclin E Gene Expression in Human Cytomegalovirus-Infected Cells Requires Viral Early Gene Expression and Is Associated with Changes in the Rb-Related Protein p130. <i>Journal of Virology</i> , 2000, 74, 4192-4206.	1.5	43
40	Post-transcriptional control of avian oncornavirus transforming gene sequences in mammalian cells. <i>Nature</i> , 1977, 269, 175-179.	13.7	42
41	Transcription in mouse embryo cells permissively infected by murine cytomegalovirus. <i>Virology</i> , 1983, 131, 247-254.	1.1	41
42	Strong CD8 T-Cell Responses following Coimmunization with Plasmids Expressing the Dominant pp89 and Subdominant M84 Antigens of Murine Cytomegalovirus Correlate with Long-Term Protection against Subsequent Viral Challenge. <i>Journal of Virology</i> , 2002, 76, 2100-2112.	1.5	41
43	The IE2 60-Kilodalton and 40-Kilodalton Proteins Are Dispensable for Human Cytomegalovirus Replication but Are Required for Efficient Delayed Early and Late Gene Expression and Production of Infectious Virus. <i>Journal of Virology</i> , 2007, 81, 2573-2583.	1.5	40
44	RNA-binding protein CPEB1 remodels host and viral RNA landscapes. <i>Nature Structural and Molecular Biology</i> , 2016, 23, 1101-1110.	3.6	40
45	Studies of HIV Infection and the Development of Epstein-Barr Virus-Related B Cell Lymphomas Following Transfer of Human Lymphocytes to Mice With Severe Combined Immunodeficiency. <i>Current Topics in Microbiology and Immunology</i> , 1989, 152, 195-199.	0.7	40
46	Replication of the murine cytomegalovirus genome: Structure and role of the termini in the generation and cleavage of concatenes. <i>Virology</i> , 1988, 162, 98-107.	1.1	39
47	Human Cytomegalovirus-Mediated Enhancement of Human Immunodeficiency Virus Type-1 Production in Monocyte-Derived Macrophages. <i>Virology</i> , 1994, 199, 98-104.	1.1	36
48	Separate DNA Elements Containing ATF/CREB and IE86 Binding Sites Differentially Regulate the Human Cytomegalovirus UL112-113 Promoter at Early and Late Times in the Infection. <i>Journal of Virology</i> , 1998, 72, 2697-2707.	1.5	36
49	Studies on the function of polyadenylic acid on poliovirus RNA. <i>Cell</i> , 1975, 6, 41-44.	13.5	35
50	Systemic Priming-Boosting Immunization with a Trivalent Plasmid DNA and Inactivated Murine Cytomegalovirus (MCMV) Vaccine Provides Long-Term Protection against Viral Replication following Systemic or Mucosal MCMV Challenge. <i>Journal of Virology</i> , 2005, 79, 159-175.	1.5	35
51	Immunization with Herpes Simplex Virus 2 (HSV-2) Genes plus Inactivated HSV-2 Is Highly Protective against Acute and Recurrent HSV-2 Disease. <i>Journal of Virology</i> , 2011, 85, 3461-3472.	1.5	34
52	The Use of Recombinant Baculoviruses for Sustained Expression of Human Cytomegalovirus Immediate Early Proteins in Fibroblasts. <i>Virology</i> , 2001, 284, 297-307.	1.1	33
53	Inactivation and Disassembly of the Anaphase-Promoting Complex during Human Cytomegalovirus Infection Is Associated with Degradation of the APC5 and APC4 Subunits and Does Not Require UL97-Mediated Phosphorylation of Cdh1. <i>Journal of Virology</i> , 2010, 84, 10832-10843.	1.5	32
54	Nuclear Export of the Human Cytomegalovirus Tegument Protein pp65 Requires Cyclin-Dependent Kinase Activity and the Crm1 Exporter. <i>Journal of Virology</i> , 2007, 81, 11730-11736.	1.5	27

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55	DNA Immunization Using Highly Conserved Murine Cytomegalovirus Genes Encoding Homologs of Human Cytomegalovirus UL54 (DNA Polymerase) and UL105 (Helicase) Elicits Strong CD8 T-Cell Responses and Is Protective against Systemic Challenge. <i>Journal of Virology</i> , 2007, 81, 7766-7775.	1.5	26
56	Inactivated HSV-2 in MPL/alum adjuvant provides nearly complete protection against genital infection and shedding following long term challenge and rechallenge. <i>Vaccine</i> , 2012, 30, 6541-6550.	1.7	24
57	Cloning, Characterization, and Expression of the Murine Cytomegalovirus Homologue of the Human Cytomegalovirus 28-kDa Matrix Phosphoprotein (UL99). <i>Virology</i> , 1994, 205, 417-429.	1.1	22
58	Development of Cell Lines That Provide Tightly Controlled Temporal Translation of the Human Cytomegalovirus IE2 Proteins for Complementation and Functional Analyses of Growth-Impaired and Nonviable IE2 Mutant Viruses. <i>Journal of Virology</i> , 2008, 82, 7059-7077.	1.5	22
59	Repression of HMGA2 Gene Expression by Human Cytomegalovirus Involves the IE2 86-Kilodalton Protein and Is Necessary for Efficient Viral Replication and Inhibition of Cyclin A Transcription. <i>Journal of Virology</i> , 2006, 80, 9951-9961.	1.5	21
60	Recruitment of cdk9 to the Immediate-Early Viral Transcriptosomes during Human Cytomegalovirus Infection Requires Efficient Binding to Cyclin T1, a Threshold Level of IE2 86, and Active Transcription. <i>Journal of Virology</i> , 2009, 83, 5904-5917.	1.5	21
61	VIROLOGY: CMV Makes a Timely Exit. <i>Science</i> , 2002, 297, 778-779.	6.0	20
62	A Mutation Deleting Sequences Encoding the Amino Terminus of Human Cytomegalovirus UL84 Impairs Interaction with UL44 and Capsid Localization. <i>Journal of Virology</i> , 2012, 86, 11066-11077.	1.5	20
63	Infection of Vascular Endothelial Cells with Human Cytomegalovirus under Fluid Shear Stress Reveals Preferential Entry and Spread of Virus in Flow Conditions Simulating Atheroprone Regions of the Artery. <i>Journal of Virology</i> , 2012, 86, 13745-13755.	1.5	20
64	Exon 3 of the Human Cytomegalovirus Major Immediate-Early Region Is Required for Efficient Viral Gene Expression and for Cellular Cyclin Modulation. <i>Journal of Virology</i> , 2005, 79, 7438-7452.	1.5	19
65	Human Cytomegalovirus Replication Is Inhibited by the Autophagy-Inducing Compounds Trehalose and SMER28 through Distinctively Different Mechanisms. <i>Journal of Virology</i> , 2018, 92, .	1.5	19
66	Internal Deletions of IE2 86 and Loss of the Late IE2 60 and IE2 40 Proteins Encoded by Human Cytomegalovirus Affect the Levels of UL84 Protein but Not the Amount of UL84 mRNA or the Loading and Distribution of the mRNA on Polysomes. <i>Journal of Virology</i> , 2008, 82, 11383-11397.	1.5	18
67	Studies on the Contribution of Human Cytomegalovirus UL21a and UL97 to Viral Growth and Inactivation of the Anaphase-Promoting Complex/Cyclosome (APC/C) E3 Ubiquitin Ligase Reveal a Unique Cellular Mechanism for Downmodulation of the APC/C Subunits APC1, APC4, and APC5. <i>Journal of Virology</i> , 2015, 89, 6928-6939.	1.5	17
68	Multiple Epitopes in the Murine Cytomegalovirus Early Gene Product M84 Are Efficiently Presented in Infected Primary Macrophages and Contribute to Strong CD8 + -T-Lymphocyte Responses and Protection following DNA Immunization. <i>Journal of Virology</i> , 2004, 78, 11233-11245.	1.5	13
69	Human Cytomegalovirus IE2 86 and IE2 40 Proteins Differentially Regulate UL84 Protein Expression Posttranscriptionally in the Absence of Other Viral Gene Products. <i>Journal of Virology</i> , 2010, 84, 5158-5170.	1.5	11
70	Early CMV gene expression and function. , 0, , 264-294.		10
71	DISTRIBUTION AND FUNCTION OF DEFINED REGIONS OF AVIAN TUMOR VIRUS GENOMES IN VIRUSES AND UNINFECTED CELLS. , 1976, , 339-358.		10
72	Mutation of Glutamine to Arginine at Position 548 of IE2 86 in Human Cytomegalovirus Leads to Decreased Expression of IE2 40, IE2 60, UL83, and UL84 and Increased Transcription of US8-9 and US29-32. <i>Journal of Virology</i> , 2011, 85, 11098-11110.	1.5	5

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73	Zika Virus Is Transmitted in Neural Progenitor Cells via Cell-to-Cell Spread, and Infection Is Inhibited by the Autophagy Inducer Trehalose. <i>Journal of Virology</i> , 2021, 95, .	1.5	5
74	IUGR and Congenital Cytomegalovirus Infection. <i>Journal of Infectious Diseases</i> , 2014, 209, 1497-1499.	1.9	4
75	A vaccine containing highly purified virus particles in adjuvant provides high level protection against genital infection and disease in guinea pigs challenged intravaginally with homologous and heterologous strains of herpes simplex virus type 2. <i>Vaccine</i> , 2020, 38, 79-89.	1.7	4
76	POSITIVE AND NEGATIVE EFFECTS OF HUMAN CYTOMEGALOVIRUS ON HIV REPLICATION. , 1994, , 65-89.		4
77	Gene-Specific Probes for Avian Retroviruses. <i>Current Topics in Microbiology and Immunology</i> , 1981, 91, 41-80.	0.7	3
78	MOLECULAR CLONING OF THE HUMAN CYTOMEGALOVIRUS GENOME (STRAIN AD169). , 1980, , 21-37.		2
79	Influence of the cell cycle on the initiation of the HCMV infection “ How the virus beats the clock. <i>Journal of Clinical Virology</i> , 1999, 12, 90.	1.6	0