

# Jin-Hyun Ahn

## List of Publications by Year in descending order

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48  
papers

1,768  
citations

279798

23  
h-index

276875

41  
g-index

50  
all docs

50  
docs citations

50  
times ranked

1646  
citing authors

#	ARTICLE	IF	CITATIONS
1	Disruption of PML Subnuclear Domains by the Acidic IE1 Protein of Human Cytomegalovirus Is Mediated through Interaction with PML and May Modulate a RING Finger-Dependent Cryptic Transactivator Function of PML. <i>Molecular and Cellular Biology</i> , 1998, 18, 4899-4913.	2.3	172
2	Ability of the Human Cytomegalovirus IE1 Protein To Modulate Sumoylation of PML Correlates with Its Functional Activities in Transcriptional Regulation and Infectivity in Cultured Fibroblast Cells. <i>Journal of Virology</i> , 2004, 78, 6527-6542.	3.4	131
3	Disruption of PML-Associated Nuclear Bodies by IE1 Correlates with Efficient Early Stages of Viral Gene Expression and DNA Replication in Human Cytomegalovirus Infection. <i>Virology</i> , 2000, 274, 39-55.	2.4	117
4	The Human Cytomegalovirus IE2 and UL112-113 Proteins Accumulate in Viral DNA Replication Compartments That Initiate from the Periphery of Promyelocytic Leukemia Protein-Associated Nuclear Bodies (PODs or ND10). <i>Journal of Virology</i> , 1999, 73, 10458-10471.	3.4	115
5	Binding STAT2 by the Acidic Domain of Human Cytomegalovirus IE1 Promotes Viral Growth and Is Negatively Regulated by SUMO. <i>Journal of Virology</i> , 2008, 82, 10444-10454.	3.4	93
6	Evaluation of Interactions of Human Cytomegalovirus Immediate-Early IE2 Regulatory Protein with Small Ubiquitin-Like Modifiers and Their Conjugation Enzyme Ubc9. <i>Journal of Virology</i> , 2001, 75, 3859-3872.	3.4	89
7	Human Cytomegalovirus Infection Causes Degradation of Sp100 Proteins That Suppress Viral Gene Expression. <i>Journal of Virology</i> , 2011, 85, 11928-11937.	3.4	77
8	Proteasome-Independent Disruption of PML Oncogenic Domains (PODs), but Not Covalent Modification by SUMO-1, Is Required for Human Cytomegalovirus Immediate-Early Protein IE1 To Inhibit PML-Mediated Transcriptional Repression. <i>Journal of Virology</i> , 2001, 75, 10683-10695.	3.4	73
9	Positive Role of Promyelocytic Leukemia Protein in Type I Interferon Response and Its Regulation by Human Cytomegalovirus. <i>PLoS Pathogens</i> , 2015, 11, e1004785.	4.7	69
10	Cleavage Specificity of the UL48 Deubiquitinating Protease Activity of Human Cytomegalovirus and the Growth of an Active-Site Mutant Virus in Cultured Cells. <i>Journal of Virology</i> , 2009, 83, 12046-12056.	3.4	65
11	DNA Sensing-Independent Inhibition of Herpes Simplex Virus 1 Replication by DAI/ZBP1. <i>Journal of Virology</i> , 2013, 87, 3076-3086.	3.4	58
12	Consecutive Inhibition of ISG15 Expression and ISGylation by Cytomegalovirus Regulators. <i>PLoS Pathogens</i> , 2016, 12, e1005850.	4.7	56
13	Functional interaction of the human cytomegalovirus IE2 protein with histone deacetylase 2 in infected human fibroblasts. <i>Journal of General Virology</i> , 2007, 88, 3214-3223.	2.9	54
14	Upregulation of Nrf2 expression by human cytomegalovirus infection protects host cells from oxidative stress. <i>Journal of General Virology</i> , 2013, 94, 1658-1668.	2.9	48
15	Analysis of inpatient heterogeneity uncovers the microevolution of Middle East respiratory syndrome coronavirus. <i>Journal of Physical Education and Sports Management</i> , 2016, 2, a001214.	1.2	48
16	Inhibition of SUMO-independent PML oligomerization by the human cytomegalovirus IE1 protein. <i>Journal of General Virology</i> , 2006, 87, 2181-2190.	2.9	43
17	Genome-wide analysis of regulatory G-quadruplexes affecting gene expression in human cytomegalovirus. <i>PLoS Pathogens</i> , 2018, 14, e1007334.	4.7	41
18	Role of Noncovalent SUMO Binding by the Human Cytomegalovirus IE2 Transactivator in Lytic Growth. <i>Journal of Virology</i> , 2010, 84, 8111-8123.	3.4	33

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19	Cooperative inhibition of RIP1-mediated NF- $\kappa$ B signaling by cytomegalovirus-encoded deubiquitinase and inactive homolog of cellular ribonucleotide reductase large subunit. <i>PLoS Pathogens</i> , 2017, 13, e1006423.	4.7	33
20	PIAS1 enhances SUMO-1 modification and the transactivation activity of the major immediate-early IE2 protein of human cytomegalovirus. <i>FEBS Letters</i> , 2003, 555, 322-328.	2.8	32
21	Interactions among Four Proteins Encoded by the Human Cytomegalovirus UL112-113 Region Regulate Their Intranuclear Targeting and the Recruitment of UL44 to Prereplication Foci. <i>Journal of Virology</i> , 2006, 80, 2718-2727.	3.4	31
22	Role of the Specific Interaction of UL112-113 p84 with UL44 DNA Polymerase Processivity Factor in Promoting DNA Replication of Human Cytomegalovirus. <i>Journal of Virology</i> , 2010, 84, 8409-8421.	3.4	30
23	Involvement of the N-Terminal Deubiquitinating Protease Domain of Human Cytomegalovirus UL48 Tegument Protein in Autoubiquitination, Virion Stability, and Virus Entry. <i>Journal of Virology</i> , 2016, 90, 3229-3242.	3.4	24
24	Human Cytomegalovirus IE2 Protein Disturbs Brain Development by the Dysregulation of Neural Stem Cell Maintenance and the Polarization of Migrating Neurons. <i>Journal of Virology</i> , 2017, 91, .	3.4	23
25	The chromatin-tethering domain of human cytomegalovirus immediate-early (IE) 1 mediates associations of IE1, PML and STAT2 with mitotic chromosomes, but is not essential for viral replication. <i>Journal of General Virology</i> , 2012, 93, 716-721.	2.9	22
26	Analysis of Human Cytomegalovirus-Encoded SUMO Targets and Temporal Regulation of SUMOylation of the Immediate-Early Proteins IE1 and IE2 during Infection. <i>PLoS ONE</i> , 2014, 9, e103308.	2.5	22
27	Transmembrane Protein pUL50 of Human Cytomegalovirus Inhibits ISGylation by Downregulating UBE1L. <i>Journal of Virology</i> , 2018, 92, .	3.4	21
28	Sumoylation of the major immediate-early IE2 protein of human cytomegalovirus Towne strain is not required for virus growth in cultured human fibroblasts. <i>Journal of General Virology</i> , 2004, 85, 2149-2154.	2.9	20
29	Identification of small molecules that inhibit the histone chaperone Asf1 and its chromatin function. <i>BMB Reports</i> , 2015, 48, 685-690.	2.4	17
30	Unraveling the Regulatory G-Quadruplex Puzzle: Lessons From Genome and Transcriptome-Wide Studies. <i>Frontiers in Genetics</i> , 2019, 10, 1002.	2.3	15
31	High Mobility Group Nucleosomal Binding Domain 2 (HMGN2) SUMOylation by the SUMO E3 Ligase PIAS1 Decreases the Binding Affinity to Nucleosome Core Particles. <i>Journal of Biological Chemistry</i> , 2014, 289, 20000-20011.	3.4	13
32	Degradation of SAMHD1 Restriction Factor Through Cullin-Ring E3 Ligase Complexes During Human Cytomegalovirus Infection. <i>Frontiers in Cellular and Infection Microbiology</i> , 2020, 10, 391.	3.9	11
33	Virus blocking textile for SARS-CoV-2 using human body triboelectric energy harvesting. <i>Cell Reports Physical Science</i> , 2022, 3, 100813.	5.6	9
34	The Human Cytomegalovirus Transmembrane Protein pUL50 Induces Loss of VCP/p97 and Is Regulated by a Small Isoform of pUL50. <i>Journal of Virology</i> , 2020, 94, .	3.4	7
35	Human cytomegalovirus infection downregulates the expression of glial fibrillary acidic protein in human glioblastoma U373MG cells: identification of viral genes and protein domains involved. <i>Journal of General Virology</i> , 2009, 90, 954-962.	2.9	7
36	Analysis of Novel Drug-Resistant Human Cytomegalovirus DNA Polymerase Mutations Reveals the Role of a DNA-Binding Loop in Phosphonoformic Acid Resistance. <i>Frontiers in Microbiology</i> , 2022, 13, 771978.	3.5	7

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37	Biphasic regulation of A20 gene expression during human cytomegalovirus infection. <i>Virology Journal</i> , 2014, 11, 124.	3.4	6
38	Requirement of the N-terminal residues of human cytomegalovirus UL112-113 proteins for viral growth and oriLyt-dependent DNA replication. <i>Journal of Microbiology</i> , 2015, 53, 561-569.	2.8	6
39	Possible Roles of UL112-113 Proteins in Human Cytomegalovirus DNA Replication. <i>Journal of Bacteriology and Virology</i> , 2012, 42, 162.	0.1	5
40	Sumoylation of a small isoform of NFATc1 is promoted by PIAS proteins and inhibits transactivation activity. <i>Biochemical and Biophysical Research Communications</i> , 2019, 513, 172-178.	2.1	5
41	Expression of Human Cytomegalovirus IE1 Leads to Accumulation of Mono-SUMOylated PML That Is Protected from Degradation by Herpes Simplex Virus 1 ICPO. <i>Journal of Virology</i> , 2018, 92, .	3.4	4
42	Herpesvirus-encoded Deubiquitinating Proteases and Their Roles in Regulating Immune Signaling Pathways. <i>Journal of Bacteriology and Virology</i> , 2013, 43, 244.	0.1	3
43	Localization of the WD Repeat-Containing Protein 5 to the Virion Assembly Compartment Facilitates Human Cytomegalovirus Assembly. <i>Journal of Virology</i> , 2021, 95, .	3.4	3
44	Analysis of IE62 mutations found in Varicella-Zoster virus vaccine strains for transactivation activity. <i>Journal of Microbiology</i> , 2018, 56, 441-448.	2.8	2
45	Human Cytomegalovirus UL48 Deubiquitinase Primarily Targets Innermost Tegument Proteins pp150 and Itself To Regulate Their Stability and Protects Virions from Inclusion of Ubiquitin Conjugates. <i>Journal of Virology</i> , 2021, 95, e0099121.	3.4	2
46	Differential Regulation of NF- $\kappa$ B Signaling during Human Cytomegalovirus Infection. <i>Journal of Bacteriology and Virology</i> , 2015, 45, 159.	0.1	1
47	Functions of Herpesvirus-Encoded Homologs of the Cellular Ribonucleotide Reductase Large Subunit. <i>Journal of Bacteriology and Virology</i> , 2016, 46, 326.	0.1	0
48	Gamma secretase inhibition impairs HCMV replication by reduction of immediate early gene expression at the transcriptional level. <i>Antiviral Research</i> , 2020, 183, 104867.	4.1	0