Jae U Jung

List of Publications by Year in descending order

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133	13,137	57681	27587
papers	citations	46 h-index	110 g-index

139	139	139	28282
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Structure-Based Optimization of ML300-Derived, Noncovalent Inhibitors Targeting the Severe Acute Respiratory Syndrome Coronavirus 3CL Protease (SARS-CoV-2 3CL^{pro}). Journal of Medicinal Chemistry, 2022, 65, 2880-2904.	2.9	78
2	Age-dependent pathogenic characteristics of SARS-CoV-2 infection in ferrets. Nature Communications, 2022, 13, 21.	5.8	31
3	Coinfection with SARS-CoV-2 and Influenza A Virus Increases Disease Severity and Impairs Neutralizing Antibody and CD4 ⁺ T Cell Responses. Journal of Virology, 2022, 96, jvi0187321.	1.5	38
4	Viral Mimicry of Interleukin-17A by SARS-CoV-2 ORF8. MBio, 2022, 13, e0040222.	1.8	38
5	Critical role of neutralizing antibody for SARS-CoV-2 reinfection and transmission. Emerging Microbes and Infections, 2021, 10, 152-160.	3.0	54
6	Zika virus NS3 protease induces bone morphogenetic protein-dependent brain calcification in human fetuses. Nature Microbiology, 2021, 6, 455-466.	5.9	15
7	Molecular Signatures of Inflammatory Profile and B-Cell Function in Patients with Severe Fever with Thrombocytopenia Syndrome. MBio, 2021, 12, .	1.8	25
8	Development of Spike Receptor-Binding Domain Nanoparticles as a Vaccine Candidate against SARS-CoV-2 Infection in Ferrets. MBio, 2021, 12, .	1.8	40
9	Biographical Feature: Bernhard Fleckenstein. Journal of Virology, 2021, 95, e0089621.	1.5	0
10	The systemic inflammatory landscape of COVID-19 in pregnancy: Extensive serum proteomic profiling of mother-infant dyads with in utero SARS-CoV-2. Cell Reports Medicine, 2021, 2, 100453.	3.3	28
11	The Cap-Snatching SFTSV Endonuclease Domain Is an Antiviral Target. Cell Reports, 2020, 30, 153-163.e5.	2.9	31
12	Zika virus vertical transmission in children with confirmed antenatal exposure. Nature Communications, 2020, 11, 3510.	5.8	26
13	A Genome-Wide CRISPR Activation Screen Identifies Genes Involved in Protection from Zika Virus Infection. Proceedings (mdpi), 2020, 50, .	0.2	0
14	Global epigenomic analysis of KSHV-infected primary effusion lymphoma identifies functional MYC superenhancers and enhancer RNAs. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 21618-21627.	3.3	22
15	IFITM3 functions as a PIP3 scaffold to amplify PI3K signalling in BÂcells. Nature, 2020, 588, 491-497.	13.7	57
16	Viral interleukin-6 encoded by an oncogenic virus promotes angiogenesis and cellular transformation by enhancing STAT3-mediated epigenetic silencing of caveolin 1. Oncogene, 2020, 39, 4603-4618.	2.6	22
17	Antiviral Efficacies of FDA-Approved Drugs against SARS-CoV-2 Infection in Ferrets. MBio, 2020, 11, .	1.8	165
18	Identification of highly potent and selective inhibitor, TIPTP, of the p22phox-Rubicon axis as a therapeutic agent for rheumatoid arthritis. Scientific Reports, 2020, 10, 4570.	1.6	8

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19	Oncogenic human herpesvirus hijacks proline metabolism for tumorigenesis. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 8083-8093.	3.3	36
20	Infection and Rapid Transmission of SARS-CoV-2 in Ferrets. Cell Host and Microbe, 2020, 27, 704-709.e2.	5.1	815
21	Severe Fever with Thrombocytopenia Syndrome Virus NSs Interacts with TRIM21 To Activate the p62-Keap1-Nrf2 Pathway. Journal of Virology, 2020, 94, .	1.5	30
22	Negative regulation of NEMO signaling by the ubiquitin E3 ligase MARCH2. EMBO Journal, 2020, 39, e105139.	3.5	16
23	Title is missing!. , 2020, 18, e3000970.		0
24	Title is missing!. , 2020, 18, e3000970.		0
25	Title is missing!. , 2020, 18, e3000970.		0
26	Title is missing!. , 2020, 18, e3000970.		0
27	Title is missing!. , 2020, 18, e3000970.		0
28	Title is missing!. , 2020, 18, e3000970.		0
29	Title is missing!. , 2020, 18, e3000970.		0
30	Efficient Inhibition of Human Papillomavirus Infection by L2 Minor Capsid-Derived Lipopeptide. MBio, 2019, 10, .	1.8	11
31	Association Between Neonatal Neuroimaging and Clinical Outcomes in Zika-Exposed Infants From Rio de Janeiro, Brazil. JAMA Network Open, 2019, 2, e198124.	2.8	49
32	Development of a SFTSV DNA vaccine that confers complete protection against lethal infection in ferrets. Nature Communications, 2019, 10, 3836.	5.8	51
33	Azithromycin Protects against Zika Virus Infection by Upregulating Virus-Induced Type I and III Interferon Responses. Antimicrobial Agents and Chemotherapy, 2019, 63, .	1.4	83
34	SERPINB1-mediated checkpoint of inflammatory caspase activation. Nature Immunology, 2019, 20, 276-287.	7.0	87
35	A CRISPR Activation Screen Identifies Genes That Protect against Zika Virus Infection. Journal of Virology, 2019, 93, .	1.5	50
36	Small Heterodimer Partner Controls the Virus-Mediated Antiviral Immune Response by Targeting CREB-Binding Protein in the Nucleus. Cell Reports, 2019, 27, 2105-2118.e5.	2.9	7

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37	TRIM9-Mediated Resolution of Neuroinflammation Confers Neuroprotection upon Ischemic Stroke in Mice. Cell Reports, 2019, 27, 549-560.e6.	2.9	43
38	Regulation of Hepatitis C Virus Infection by Cellular Retinoic Acid Binding Proteins through the Modulation of Lipid Droplet Abundance. Journal of Virology, 2019, 93, .	1.5	20
39	Cross-genotype protection of live-attenuated vaccine candidate for severe fever with thrombocytopenia syndrome virus in a ferret model. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 26900-26908.	3.3	25
40	Efficiencies and kinetics of infection in different cell types/lines by African and Asian strains of Zika virus. Journal of Medical Virology, 2019, 91, 179-189.	2.5	21
41	FoxO1 Suppresses Kaposiâ€™s Sarcoma-Associated Herpesvirus Lytic Replication and Controls Viral Latency. Journal of Virology, 2019, 93, .	1.5	14
42	Oncogenic Kaposiâ€™s Sarcoma-Associated Herpesvirus Upregulates Argininosuccinate Synthase 1, a Rate-Limiting Enzyme of the Citrulline-Nitric Oxide Cycle, To Activate the STAT3 Pathway and Promote Growth Transformation. Journal of Virology, 2019, 93, .	1.5	13
43	Severe fever with thrombocytopenia syndrome phlebovirus non-structural protein activates TPL2 signalling pathway for viral immunopathogenesis. Nature Microbiology, 2019, 4, 429-437.	5.9	46
44	The Ca2+ sensor STIM1 regulates the type I interferon response by retaining the signaling adaptor STING at the endoplasmic reticulum. Nature Immunology, 2019, 20, 152-162.	7.0	228
45	Ferret animal model of severe fever with thrombocytopenia syndrome phlebovirus for human lethal infection and pathogenesis. Nature Microbiology, 2019, 4, 438-446.	5.9	66
46	Ifitm3 Is Essential for PI(3,4,5)P3-Dependent B-Cell Activation and Leukemogenesis. Blood, 2019, 134, 2782-2782.	0.6	1
47	Deregulation of HDAC5 by Viral Interferon Regulatory Factor 3 Plays an Essential Role in Kaposi's Sarcoma-Associated Herpesvirus-Induced Lymphangiogenesis. MBio, 2018, 9, .	1.8	18
48	TRIM56-mediated monoubiquitination of cGAS for cytosolic DNA sensing. Nature Communications, 2018, 9, 613.	5.8	148
49	A Talented Duo: IFIT1 and IFIT3 Patrol Viral RNA Caps. Immunity, 2018, 48, 474-476.	6.6	9
50	Autophagy during viral infection â€" a double-edged sword. Nature Reviews Microbiology, 2018, 16, 341-354.	13.6	520
51	Novel Role of vBcl2 in the Virion Assembly of Kaposi's Sarcoma-Associated Herpesvirus. Journal of Virology, 2018, 92, .	1.5	13
52	Suppression of Zika Virus Infection and Replication in Endothelial Cells and Astrocytes by PKA Inhibitor PKI 14-22. Journal of Virology, 2018, 92, .	1.5	49
53	Development of Thermostable Lyophilized Sabin Inactivated Poliovirus Vaccine. MBio, 2018, 9, .	1.8	16
54	Activation of RIG-I-Mediated Antiviral Signaling Triggers Autophagy Through the MAVS-TRAF6-Beclin-1 Signaling Axis. Frontiers in Immunology, 2018, 9, 2096.	2.2	59

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55	Repurposing Cytarabine for Treating Primary Effusion Lymphoma by Targeting Kaposiâ€™s Sarcoma-Associated Herpesvirus Latent and Lytic Replications. MBio, 2018, 9, .	1.8	14
56	Bacterial Protein Reshapes Host Defense toward Antiviral Responses. Molecular Cell, 2018, 71, 483-484.	4.5	0
57	Species-Specific Deamidation of cGAS by Herpes Simplex Virus UL37 Protein Facilitates Viral Replication. Cell Host and Microbe, 2018, 24, 234-248.e5.	5.1	140
58	Biomarkers and immunoprofiles associated with fetal abnormalities of ZIKV-positive pregnancies. JCI Insight, 2018, 3, .	2.3	29
59	IFITM3-Mediated Regulation of Cell Membrane Dynamics Is Essential for Malignant B-Cell Transformation. Blood, 2018, 132, 552-552.	0.6	2
60	Reply. Journal of Allergy and Clinical Immunology, 2017, 139, 712-713.	1.5	0
61	Hepatitis C virus has a genetically determined lymphotropism through co-receptor B7.2. Nature Communications, 2017, 8, 13882.	5.8	35
62	KSHV-encoded viral interferon regulatory factor 4 (vIRF4) interacts with IRF7 and inhibits interferon alpha production. Biochemical and Biophysical Research Communications, 2017, 486, 700-705.	1.0	34
63	Chloroquine, a FDA-approved Drug, Prevents Zika Virus Infection and its Associated Congenital Microcephaly in Mice. EBioMedicine, 2017, 24, 189-194.	2.7	144
64	Unexpected Alliance of WHIP-TRIM14-PPP6C to Combat Viruses. Molecular Cell, 2017, 68, 259-261.	4.5	2
65	Architecture of the type IV coupling protein complex of Legionella pneumophila. Nature Microbiology, 2017, 2, 17114.	5.9	60
66	A Critical Role of Glutamine and Asparagine Î³-Nitrogen in Nucleotide Biosynthesis in Cancer Cells Hijacked by an Oncogenic Virus. MBio, 2017, 8, .	1.8	66
67	Inhibition of highly pathogenic avian influenza (HPAI) virus by a peptide derived from vFLIP through its direct destabilization of viruses. Scientific Reports, 2017, 7, 4875.	1.6	10
68	Double the Trouble When Herpesviruses Join Hands. Cell Host and Microbe, 2017, 22, 5-7.	5.1	9
69	Asian Zika virus strains target CD14+ blood monocytes and induce M2-skewed immunosuppression during pregnancy. Nature Microbiology, 2017, 2, 1558-1570.	5.9	135
70	FAS-associated factor-1 positively regulates type I interferon response to RNA virus infection by targeting NLRX1. PLoS Pathogens, 2017, 13, e1006398.	2.1	27
71	Viral Inhibition of PRR-Mediated Innate Immune Response: Learning from KSHV Evasion Strategies. Molecules and Cells, 2016, 39, 777-782.	1.0	17
72	Peptide inhibition of p22phox and Rubicon interaction as a therapeutic strategy for septic shock. Biomaterials, 2016, 101, 47-59.	5.7	21

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73	Infection-specific phosphorylation of glutamyl-prolyl tRNA synthetase induces antiviral immunity. Nature Immunology, 2016, 17, 1252-1262.	7.0	76
74	TPL2 Is an Oncogenic Driver in Keratocanthoma and Squamous Cell Carcinoma. Cancer Research, 2016, 76, 6712-6722.	0.4	23
75	Zika Virus NS4A and NS4B Proteins Deregulate Akt-mTOR Signaling in Human Fetal Neural Stem Cells to Inhibit Neurogenesis and Induce Autophagy. Cell Stem Cell, 2016, 19, 663-671.	5.2	437
76	CD95 Signaling Inhibits B Cell Receptor-Mediated Gammaherpesvirus Replication in Apoptosis-Resistant B Lymphoma Cells. Journal of Virology, 2016, 90, 9782-9796.	1.5	9
77	Genomic architecture of inflammatory bowel disease in five families with multiple affected individuals. Human Genome Variation, 2016, 3, 15060.	0.4	14
78	No TRIFling Matter on STING. Cell Host and Microbe, 2016, 20, 277-278.	5.1	0
79	Suppression of Kaposi's Sarcoma-Associated Herpesvirus Infection and Replication by 5â€²-AMP-Activated Protein Kinase. Journal of Virology, 2016, 90, 6515-6525.	1.5	30
80	<scp>HDAC</scp> 6 regulates cellular viral <scp>RNA</scp> sensing by deacetylation of <scp>RIG</scp> â€‹. EMBO Journal, 2016, 35, 429-442.	3.5	101
81	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Autophagy, 2016, 12, 1-222.	4.3	4,701
82	Primary B Lymphocytes Infected with Kaposi's Sarcoma-Associated Herpesvirus Can Be Expanded In Vitro and Are Recognized by LANA-Specific CD4 ⁺ T Cells. Journal of Virology, 2016, 90, 3849-3859.	1.5	17
83	Human Mesenchymal Stem Cells of Diverse Origins Support Persistent Infection with Kaposiâ€™s Sarcoma-Associated Herpesvirus and Manifest Distinct Angiogenic, Invasive, and Transforming Phenotypes. MBio, 2016, 7, e02109-15.	1.8	38
84	Lack of autophagy induces steroid-resistant airway inflammation. Journal of Allergy and Clinical Immunology, 2016, 137, 1382-1389.e9.	1.5	63
85	Kaposi's Sarcoma-Associated Herpesvirus Viral Interferon Regulatory Factor 4 (vIRF4) Perturbs the G ₁ -S Cell Cycle Progression via Deregulation of the cyclin D1 Gene. Journal of Virology, 2016, 90, 1139-1143.	1.5	12
86	Herpes simplex virus downregulation of secretory leukocyte protease inhibitor enhances human papillomavirus type 16 infection. Journal of General Virology, 2016, 97, 422-434.	1.3	21
87	An Oncogenic Virus Promotes Cell Survival and Cellular Transformation by Suppressing Glycolysis. PLoS Pathogens, 2016, 12, e1005648.	2.1	58
88	LANA-Mediated Recruitment of Host Polycomb Repressive Complexes onto the KSHV Genome during De Novo Infection. PLoS Pathogens, 2016, 12, e1005878.	2.1	72
89	Viral Bcl-2 Encoded by the Kaposi's Sarcoma-Associated Herpesvirus Is Vital for Virus Reactivation. Journal of Virology, 2015, 89, 5298-5307.	1.5	23
90	Posttranslational Modification of HOIP Blocks Toll-Like Receptor 4-Mediated Linear-Ubiquitin-Chain Formation. MBio, 2015, 6, e01777-15.	1.8	9

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91	Screening of the Human Kinome Identifies MSK1/2-CREB1 as an Essential Pathway Mediating Kaposi's Sarcoma-Associated Herpesvirus Lytic Replication during Primary Infection. Journal of Virology, 2015, 89, 9262-9280.	1.5	38
92	Multi-step regulation of innate immune signaling by Kaposi's sarcoma-associated herpesvirus. Virus Research, 2015, 209, 39-44.	1.1	16
93	Herpesviral G Protein-Coupled Receptors Activate NFAT to Induce Tumor Formation via Inhibiting the SERCA Calcium ATPase. PLoS Pathogens, 2015, 11, e1004768.	2.1	25
94	Signalling thresholds and negative B-cell selection in acute lymphoblastic leukaemia. Nature, 2015, 521, 357-361.	13.7	127
95	Viral Pseudo-Enzymes Activate RIG-I via Deamidation to Evade Cytokine Production. Molecular Cell, 2015, 58, 134-146.	4.5	66
96	Association of Kaposi's Sarcoma-Associated Herpesvirus ORF31 with ORF34 and ORF24 Is Critical for Late Gene Expression. Journal of Virology, 2015, 89, 6148-6154.	1.5	33
97	The mitochondrial ubiquitin ligase MARCH5 resolves MAVS aggregates during antiviral signalling. Nature Communications, 2015, 6, 7910.	5.8	127
98	Akt Kinase-Mediated Checkpoint of cGAS DNA Sensing Pathway. Cell Reports, 2015, 13, 440-449.	2.9	160
99	Immune control of oncogenic Î³-herpesviruses. Current Opinion in Virology, 2015, 14, 79-86.	2.6	16
100	Novel functions of viral anti-apoptotic factors. Nature Reviews Microbiology, 2015, 13, 7-12.	13.6	31
101	Lpg0393 of Legionella pneumophila Is a Guanine-Nucleotide Exchange Factor for Rab5, Rab21 and Rab22. PLoS ONE, 2015, 10, e0118683.	1.1	16
102	Autophagy side of MB21D1/cGAS DNA sensor. Autophagy, 2014, 10, 1146-1147.	4.3	22
103	Exploitation of the Complement System by Oncogenic Kaposi's Sarcoma-Associated Herpesvirus for Cell Survival and Persistent Infection. PLoS Pathogens, 2014, 10, e1004412.	2.1	40
104	Kaposi's Sarcoma Associated Herpesvirus Tegument Protein ORF75 Is Essential for Viral Lytic Replication and Plays a Critical Role in the Antagonization of ND10-Instituted Intrinsic Immunity. PLoS Pathogens, 2014, 10, e1003863.	2.1	57
105	Kaposi's Sarcoma-Associated Herpesvirus K3 and K5 Ubiquitin E3 Ligases Have Stage-Specific Immune Evasion Roles during Lytic Replication. Journal of Virology, 2014, 88, 9335-9349.	1.5	69
106	Kaposi's Sarcoma-Associated Herpesvirus ORF18 and ORF30 Are Essential for Late Gene Expression during Lytic Replication. Journal of Virology, 2014, 88, 11369-11382.	1.5	40
107	Kaposi's Sarcoma-Associated Herpesvirus Viral Interferon Regulatory Factor 4 (vIRF4) Targets Expression of Cellular IRF4 and the Myc Gene To Facilitate Lytic Replication. Journal of Virology, 2014, 88, 2183-2194.	1.5	30
108	Viral miRNA targeting of bicistronic and polycistronic transcripts. Current Opinion in Virology, 2014, 7, 66-72.	2.6	12

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109	Crosstalk between the cGAS DNA Sensor and Beclin-1 Autophagy Protein Shapes Innate Antimicrobial Immune Responses. Cell Host and Microbe, 2014, 15, 228-238.	5.1	291
110	The linear ubiquitin assembly complex (LUBAC) is essential for NLRP3 inflammasome activation. Journal of Experimental Medicine, 2014, 211, 1333-1347.	4.2	205
111	Fluorescent Tagging and Cellular Distribution of the Kaposi's Sarcoma-Associated Herpesvirus ORF45 Tegument Protein. Journal of Virology, 2014, 88, 12839-12852.	1.5	14
112	Interplay between Kaposi's sarcoma-associated herpesvirus and the innate immune system. Cytokine and Growth Factor Reviews, 2014, 25, 597-609.	3.2	23
113	Negative regulation of NF-Î²B activity by brain-specific TRIpartite Motif protein 9. Nature Communications, 2014, 5, 4820.	5.8	62
114	c-FLIP-Short Reduces Type I Interferon Production and Increases Viremia with Coxsackievirus B3. PLoS ONE, 2014, 9, e96156.	1.1	8
115	Pulse Chase of Suspension Cells. Bio-protocol, 2014, 4, .	0.2	0
116	The Chromatin Landscape of Kaposiâ€™s Sarcoma-Associated Herpesvirus. Viruses, 2013, 5, 1346-1373.	1.5	60
117	Biphasic Euchromatin-to-Heterochromatin Transition on the KSHV Genome Following De Novo Infection. PLoS Pathogens, 2013, 9, e1003813.	2.1	88
118	Inhibitory Receptors and Phosphatases Enable Oncogenic Tyrosine Kinase Signaling In B Cell Lineage Leukemia. Blood, 2013, 122, 229-229.	0.6	0
119	Negative Elongation Factor-Mediated Suppression of RNA Polymerase II Elongation of Kaposi's Sarcoma-Associated Herpesvirus Lytic Gene Expression. Journal of Virology, 2012, 86, 9696-9707.	1.5	40
120	Lymphatic Reprogramming by Kaposi Sarcoma Herpes Virus Promotes the Oncogenic Activity of the Virus-Encoded G-proteinâ€“Coupled Receptor. Cancer Research, 2012, 72, 5833-5842.	0.4	23
121	Construction and Manipulation of a New Kaposi's Sarcoma-Associated Herpesvirus Bacterial Artificial Chromosome Clone. Journal of Virology, 2012, 86, 9708-9720.	1.5	296
122	Immune evasion by Kaposiâ€™s sarcoma-associated herpesvirus. Future Microbiology, 2010, 5, 1349-1365.	1.0	55
123	Epigenetic Analysis of KSHV Latent and Lytic Genomes. PLoS Pathogens, 2010, 6, e1001013.	2.1	229
124	Phosphorylation-Mediated Negative Regulation of RIG-I Antiviral Activity. Journal of Virology, 2010, 84, 3220-3229.	1.5	116
125	Viral Interferon Regulatory Factors. Journal of Interferon and Cytokine Research, 2009, 29, 621-627.	0.5	59
126	Characterization of the Kaposi's Sarcoma-Associated Herpesvirus K1 Signalosome. Journal of Virology, 2005, 79, 12173-12184.	1.5	72

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127	Global Changes in Kaposi's Sarcoma-Associated Virus Gene Expression Patterns following Expression of a Tetracycline-Inducible Rta Transactivator. Journal of Virology, 2003, 77, 4205-4220.	1.5	277
128	Structural Analysis of the Kaposi's Sarcoma-Associated Herpesvirus K1 Protein. Journal of Virology, 2003, 77, 8072-8086.	1.5	51
129	Activation of Lymphocyte Signaling by the R1 Protein of Rhesus Monkey Rhadinovirus. Journal of Virology, 2000, 74, 2721-2730.	1.5	32
130	Inhibition of Intracellular Transport of B Cell Antigen Receptor Complexes by Kaposi's Sarcomaâ€“Associated Herpesvirus K1. Journal of Experimental Medicine, 2000, 192, 11-22.	4.2	99
131	Deregulation of cell growth by the K1 gene of Karposi's sarcoma-associated herpesvirus. Nature Medicine, 1998, 4, 435-440.	15.2	294
132	STP and Tip Are Essential for Herpesvirus Saimiri Oncogenicity. Journal of Virology, 1998, 72, 1308-1313.	1.5	122
133	Human gammaherpesvirus immune evasion strategies. , 0, , 559-586.		12