Jae U Jung

List of Publications by Citations

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 135
 9,657
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 97

 papers
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 139
 11,721
 11.3
 5.78

 ext. papers
 ext. citations
 avg, IF
 L-index

#	Paper	IF	Citations
135	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016 , 12, 1-222	10.2	3838
134	Infection and Rapid Transmission of SARS-CoV-2 in Ferrets. <i>Cell Host and Microbe</i> , 2020 , 27, 704-709.e2	23.4	577
133	Zika Virus NS4A and NS4B Proteins Deregulate Akt-mTOR Signaling in Human Fetal Neural Stem Cells to Inhibit Neurogenesis and Induce Autophagy. <i>Cell Stem Cell</i> , 2016 , 19, 663-671	18	310
132	Autophagy during viral infection - a double-edged sword. <i>Nature Reviews Microbiology</i> , 2018 , 16, 341-35	54 2.2	299
131	Deregulation of cell growth by the K1 gene of Kaposi's sarcoma-associated herpesvirus. <i>Nature Medicine</i> , 1998 , 4, 435-40	50.5	254
130	Global changes in Kaposi's sarcoma-associated virus gene expression patterns following expression of a tetracycline-inducible Rta transactivator. <i>Journal of Virology</i> , 2003 , 77, 4205-20	6.6	239
129	Crosstalk between the cGAS DNA sensor and Beclin-1 autophagy protein shapes innate antimicrobial immune responses. <i>Cell Host and Microbe</i> , 2014 , 15, 228-38	23.4	223
128	Construction and manipulation of a new Kaposi's sarcoma-associated herpesvirus bacterial artificial chromosome clone. <i>Journal of Virology</i> , 2012 , 86, 9708-20	6.6	218
127	Epigenetic analysis of KSHV latent and lytic genomes. <i>PLoS Pathogens</i> , 2010 , 6, e1001013	7.6	175
126	The linear ubiquitin assembly complex (LUBAC) is essential for NLRP3 inflammasome activation. Journal of Experimental Medicine, 2014 , 211, 1333-47	16.6	163
125	The Ca sensor STIM1 regulates the type I interferon response by retaining the signaling adaptor STING at the endoplasmic reticulum. <i>Nature Immunology</i> , 2019 , 20, 152-162	19.1	131
124	Antiviral Efficacies of FDA-Approved Drugs against SARS-CoV-2 Infection in Ferrets. <i>MBio</i> , 2020 , 11,	7.8	118
123	Chloroquine, a FDA-approved Drug, Prevents Zika Virus Infection and its Associated Congenital Microcephaly in Mice. <i>EBioMedicine</i> , 2017 , 24, 189-194	8.8	114
122	Akt Kinase-Mediated Checkpoint of cGAS DNA Sensing Pathway. <i>Cell Reports</i> , 2015 , 13, 440-9	10.6	112
121	STP and Tip are essential for herpesvirus saimiri oncogenicity. <i>Journal of Virology</i> , 1998 , 72, 1308-13	6.6	103
120	TRIM56-mediated monoubiquitination of cGAS for cytosolic DNA sensing. <i>Nature Communications</i> , 2018 , 9, 613	17.4	101
119	Phosphorylation-mediated negative regulation of RIG-I antiviral activity. <i>Journal of Virology</i> , 2010 , 84, 3220-9	6.6	99

(2016-2017)

118	Asian Zika virus strains target CD14 blood monocytes and induce M2-skewed immunosuppression during pregnancy. <i>Nature Microbiology</i> , 2017 , 2, 1558-1570	26.6	92
117	Signalling thresholds and negative B-cell selection in acute lymphoblastic leukaemia. <i>Nature</i> , 2015 , 521, 357-61	50.4	90
116	Inhibition of intracellular transport of B cell antigen receptor complexes by Kaposi's sarcoma-associated herpesvirus K1. <i>Journal of Experimental Medicine</i> , 2000 , 192, 11-21	16.6	89
115	Species-Specific Deamidation of cGAS by Herpes Simplex Virus UL37 Protein Facilitates Viral Replication. <i>Cell Host and Microbe</i> , 2018 , 24, 234-248.e5	23.4	88
114	The mitochondrial ubiquitin ligase MARCH5 resolves MAVS aggregates during antiviral signalling. <i>Nature Communications</i> , 2015 , 6, 7910	17.4	87
113	HDAC6 regulates cellular viral RNA sensing by deacetylation of RIG-I. <i>EMBO Journal</i> , 2016 , 35, 429-42	13	7°
112	Azithromycin Protects against Zika virus Infection by Upregulating virus-induced Type I and III Interferon Responses. <i>Antimicrobial Agents and Chemotherapy</i> , 2019 ,	5.9	65
111	Characterization of the Kaposi's sarcoma-associated herpesvirus K1 signalosome. <i>Journal of Virology</i> , 2005 , 79, 12173-84	6.6	65
110	Biphasic euchromatin-to-heterochromatin transition on the KSHV genome following de novo infection. <i>PLoS Pathogens</i> , 2013 , 9, e1003813	7.6	58
109	Viral interferon regulatory factors. <i>Journal of Interferon and Cytokine Research</i> , 2009 , 29, 621-7	3.5	56
108	Viral pseudo-enzymes activate RIG-I via deamidation to evade cytokine production. <i>Molecular Cell</i> , 2015 , 58, 134-46	17.6	52
107	Negative regulation of NF- B activity by brain-specific TRIpartite Motif protein 9. <i>Nature Communications</i> , 2014 , 5, 4820	17.4	51
106	The chromatin landscape of Kaposi's sarcoma-associated herpesvirus. Viruses, 2013, 5, 1346-73	6.2	48
105	Structural analysis of the Kaposi's sarcoma-associated herpesvirus K1 protein. <i>Journal of Virology</i> , 2003 , 77, 8072-86	6.6	48
104	Lack of autophagy induces steroid-resistant airway inflammation. <i>Journal of Allergy and Clinical Immunology</i> , 2016 , 137, 1382-1389.e9	11.5	47
103	A Critical Role of Glutamine and Asparagine ENitrogen in Nucleotide Biosynthesis in Cancer Cells Hijacked by an Oncogenic Virus. <i>MBio</i> , 2017 , 8,	7.8	45
102	Kaposi's sarcoma-associated herpesvirus K3 and K5 ubiquitin E3 ligases have stage-specific immune evasion roles during lytic replication. <i>Journal of Virology</i> , 2014 , 88, 9335-49	6.6	45
101	An Oncogenic Virus Promotes Cell Survival and Cellular Transformation by Suppressing Glycolysis. <i>PLoS Pathogens</i> , 2016 , 12, e1005648	7.6	44

100	Architecture of the type IV coupling protein complex of Legionella pneumophila. <i>Nature Microbiology</i> , 2017 , 2, 17114	26.6	43
99	LANA-Mediated Recruitment of Host Polycomb Repressive Complexes onto the KSHV Genome during De Novo Infection. <i>PLoS Pathogens</i> , 2016 , 12, e1005878	7.6	43
98	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. <i>PLoS Pathogens</i> , 2014 , 10, e1003863	7.6	42
97	Immune evasion by Kaposi's sarcoma-associated herpesvirus. <i>Future Microbiology</i> , 2010 , 5, 1349-65	2.9	42
96	Infection-specific phosphorylation of glutamyl-prolyl tRNA synthetase induces antiviral immunity. <i>Nature Immunology</i> , 2016 , 17, 1252-1262	19.1	40
95	SERPINB1-mediated checkpoint of inflammatory caspase activation. <i>Nature Immunology</i> , 2019 , 20, 276-	2 87 .1	39
94	Ferret animal model of severe fever with thrombocytopenia syndrome phlebovirus for human lethal infection and pathogenesis. <i>Nature Microbiology</i> , 2019 , 4, 438-446	26.6	38
93	Negative elongation factor-mediated suppression of RNA polymerase II elongation of Kaposi's sarcoma-associated herpesvirus lytic gene expression. <i>Journal of Virology</i> , 2012 , 86, 9696-707	6.6	36
92	Suppression of Zika Virus Infection and Replication in Endothelial Cells and Astrocytes by PKA Inhibitor PKI 14-22. <i>Journal of Virology</i> , 2018 , 92,	6.6	35
91	Activation of RIG-I-Mediated Antiviral Signaling Triggers Autophagy Through the MAVS-TRAF6-Beclin-1 Signaling Axis. <i>Frontiers in Immunology</i> , 2018 , 9, 2096	8.4	34
90	Kaposi's sarcoma-associated herpesvirus ORF18 and ORF30 are essential for late gene expression during lytic replication. <i>Journal of Virology</i> , 2014 , 88, 11369-82	6.6	31
89	Critical role of neutralizing antibody for SARS-CoV-2 reinfection and transmission. <i>Emerging Microbes and Infections</i> , 2021 , 10, 152-160	18.9	31
88	Exploitation of the complement system by oncogenic Kaposi's sarcoma-associated herpesvirus for cell survival and persistent infection. <i>PLoS Pathogens</i> , 2014 , 10, e1004412	7.6	30
87	Activation of lymphocyte signaling by the R1 protein of rhesus monkey rhadinovirus. <i>Journal of Virology</i> , 2000 , 74, 2721-30	6.6	30
86	Human Mesenchymal Stem Cells of Diverse Origins Support Persistent Infection with Kaposi's Sarcoma-Associated Herpesvirus and Manifest Distinct Angiogenic, Invasive, and Transforming Phenotypes. <i>MBio</i> , 2016 , 7, e02109-15	7.8	29
85	Kaposi's sarcoma-associated herpesvirus viral interferon regulatory factor 4 (vIRF4) targets expression of cellular IRF4 and the Myc gene to facilitate lytic replication. <i>Journal of Virology</i> , 2014 , 88, 2183-94	6.6	29
84	Severe fever with thrombocytopenia syndrome phlebovirus non-structural protein activates TPL2 signalling pathway for viral immunopathogenesis. <i>Nature Microbiology</i> , 2019 , 4, 429-437	26.6	29
83	Association Between Neonatal Neuroimaging and Clinical Outcomes in Zika-Exposed Infants From Rio de Janeiro, Brazil. <i>JAMA Network Open</i> , 2019 , 2, e198124	10.4	28

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82	Hepatitis C virus has a genetically determined lymphotropism through co-receptor B7.2. <i>Nature Communications</i> , 2017 , 8, 13882	17.4	27
81	Novel functions of viral anti-apoptotic factors. <i>Nature Reviews Microbiology</i> , 2015 , 13, 7-12	22.2	25
8o	Oncogenic human herpesvirus hijacks proline metabolism for tumorigenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 8083-8093	11.5	25
79	Screening of the Human Kinome Identifies MSK1/2-CREB1 as an Essential Pathway Mediating Kaposi's Sarcoma-Associated Herpesvirus Lytic Replication during Primary Infection. <i>Journal of Virology</i> , 2015 , 89, 9262-80	6.6	24
78	Association of Kaposi's Sarcoma-Associated Herpesvirus ORF31 with ORF34 and ORF24 Is Critical for Late Gene Expression. <i>Journal of Virology</i> , 2015 , 89, 6148-54	6.6	24
77	KSHV-encoded viral interferon regulatory factor 4 (vIRF4) interacts with IRF7 and inhibits interferon alpha production. <i>Biochemical and Biophysical Research Communications</i> , 2017 , 486, 700-705	3.4	23
76	A CRISPR Activation Screen Identifies Genes That Protect against Zika Virus Infection. <i>Journal of Virology</i> , 2019 , 93,	6.6	23
75	Suppression of Kaposi's Sarcoma-Associated Herpesvirus Infection and Replication by 5TAMP-Activated Protein Kinase. <i>Journal of Virology</i> , 2016 , 90, 6515-6525	6.6	22
74	TRIM9-Mediated Resolution of Neuroinflammation Confers Neuroprotection upon Ischemic Stroke in Mice. <i>Cell Reports</i> , 2019 , 27, 549-560.e6	10.6	21
73	Interplay between Kaposi's sarcoma-associated herpesvirus and the innate immune system. <i>Cytokine and Growth Factor Reviews</i> , 2014 , 25, 597-609	17.9	21
72	Development of Spike Receptor-Binding Domain Nanoparticles as a Vaccine Candidate against SARS-CoV-2 Infection in Ferrets. <i>MBio</i> , 2021 , 12,	7.8	20
71	Development of a SFTSV DNA vaccine that confers complete protection against lethal infection in ferrets. <i>Nature Communications</i> , 2019 , 10, 3836	17.4	19
70	IFITM3 functions as a PIP3 scaffold to amplify PI3K signalling in BItells. <i>Nature</i> , 2020 , 588, 491-497	50.4	19
69	Autophagy side of MB21D1/cGAS DNA sensor. <i>Autophagy</i> , 2014 , 10, 1146-7	10.2	19
68	Peptide inhibition of p22phox and Rubicon interaction as a therapeutic strategy for septic shock. <i>Biomaterials</i> , 2016 , 101, 47-59	15.6	19
67	Viral Bcl-2 Encoded by the KaposiѢ Sarcoma-Associated Herpesvirus Is Vital for Virus Reactivation. <i>Journal of Virology</i> , 2015 , 89, 5298-307	6.6	18
66	Lymphatic reprogramming by Kaposi sarcoma herpes virus promotes the oncogenic activity of the virus-encoded G-protein-coupled receptor. <i>Cancer Research</i> , 2012 , 72, 5833-42	10.1	18
65	FAS-associated factor-1 positively regulates type I interferon response to RNA virus infection by targeting NLRX1. <i>PLoS Pathogens</i> , 2017 , 13, e1006398	7.6	18

64	TPL2 Is an Oncogenic Driver in Keratocanthoma and Squamous Cell Carcinoma. <i>Cancer Research</i> , 2016 , 76, 6712-6722	10.1	18
63	Structure-Based Optimization of ML300-Derived, Noncovalent Inhibitors Targeting the Severe Acute Respiratory Syndrome Coronavirus 3CL Protease (SARS-CoV-2 3CL). <i>Journal of Medicinal Chemistry</i> , 2021 ,	8.3	18
62	Herpesviral G protein-coupled receptors activate NFAT to induce tumor formation via inhibiting the SERCA calcium ATPase. <i>PLoS Pathogens</i> , 2015 , 11, e1004768	7.6	17
61	Multi-step regulation of innate immune signaling by Kaposi's sarcoma-associated herpesvirus. <i>Virus Research</i> , 2015 , 209, 39-44	6.4	16
60	Biomarkers and immunoprofiles associated with fetal abnormalities of ZIKV-positive pregnancies. <i>JCI Insight</i> , 2018 , 3,	9.9	15
59	Immune control of oncogenic Eherpesviruses. Current Opinion in Virology, 2015, 14, 79-86	7.5	14
58	The Cap-Snatching SFTSV Endonuclease Domain Is an Antiviral Target. <i>Cell Reports</i> , 2020 , 30, 153-163.e	5 10.6	14
57	Severe Fever with Thrombocytopenia Syndrome Virus NSs Interacts with TRIM21 To Activate the p62-Keap1-Nrf2 Pathway. <i>Journal of Virology</i> , 2020 , 94,	6.6	13
56	Efficiencies and kinetics of infection in different cell types/lines by African and Asian strains of Zika virus. <i>Journal of Medical Virology</i> , 2019 , 91, 179-189	19.7	13
55	Development of Thermostable Lyophilized Sabin Inactivated Poliovirus Vaccine. <i>MBio</i> , 2018 , 9,	7.8	13
54	Deregulation of HDAC5 by Viral Interferon Regulatory Factor 3 Plays an Essential Role in Kaposi Sarcoma-Associated Herpesvirus-Induced Lymphangiogenesis. <i>MBio</i> , 2018 , 9,	7.8	12
53	Genomic architecture of inflammatory bowel disease in five families with multiple affected individuals. <i>Human Genome Variation</i> , 2016 , 3, 15060	1.8	12
52	Primary B Lymphocytes Infected with Kaposi's Sarcoma-Associated Herpesvirus Can Be Expanded In Vitro and Are Recognized by LANA-Specific CD4+ T Cells. <i>Journal of Virology</i> , 2016 , 90, 3849-3859	6.6	12
51	Zika virus vertical transmission in children with confirmed antenatal exposure. <i>Nature Communications</i> , 2020 , 11, 3510	17.4	12
50	Viral Inhibition of PRR-Mediated Innate Immune Response: Learning from KSHV Evasion Strategies. <i>Molecules and Cells</i> , 2016 , 39, 777-782	3.5	12
49	Kaposi's Sarcoma-Associated Herpesvirus Viral Interferon Regulatory Factor 4 (vIRF4) Perturbs the G1-S Cell Cycle Progression via Deregulation of the cyclin D1 Gene. <i>Journal of Virology</i> , 2016 , 90, 1139-4	13 ^{6.6}	11
48	Viral miRNA targeting of bicistronic and polycistronic transcripts. <i>Current Opinion in Virology</i> , 2014 , 7, 66-72	7.5	11
47	Herpes simplex virus downregulation of secretory leukocyte protease inhibitor enhances human papillomavirus type 16 infection. <i>Journal of General Virology</i> , 2016 , 97, 422-434	4.9	11

Human gammaherpesvirus immune evasion strategies 559-586 46 10 Global epigenomic analysis of KSHV-infected primary effusion lymphoma identifies functional superenhancers and enhancer RNAs. Proceedings of the National Academy of Sciences of the United 45 11.5 10 States of America, 2020, 117, 21618-21627 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 44 11.5 10 Sciences of the United States of America, 2019, Oncogenic Kaposi's Sarcoma-Associated Herpesvirus Upregulates Argininosuccinate Synthase 1, a Rate-Limiting Enzyme of the Citrulline-Nitric Oxide Cycle, To Activate the STAT3 Pathway and 6.6 10 43 Promote Growth Transformation. Journal of Virology, 2019, 93, Fluorescent tagging and cellular distribution of the Kaposi's sarcoma-associated herpesvirus ORF45 6.6 9 42 tegument protein. Journal of Virology, 2014, 88, 12839-52 Lpg0393 of Legionella pneumophila is a guanine-nucleotide exchange factor for Rab5, Rab21 and 41 3.7 9 Rab22. PLoS ONE, 2015, 10, e0118683 Novel Role of vBcl2 in the Virion Assembly of Kaposi's Sarcoma-Associated Herpesvirus. Journal of 6.6 40 9 Virology, **2018**, 92, 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 9.2 39, 4603-4618 Repurposing Cytarabine for Treating Primary Effusion Lymphoma by Targeting Kaposi's 8 38 7.8 Sarcoma-Associated Herpesvirus Latent and Lytic Replications. MBio, 2018, 9, Regulation of Hepatitis C Virus Infection by Cellular Retinoic Acid Binding Proteins through the 6.6 37 Modulation of Lipid Droplet Abundance. Journal of Virology, 2019, 93, CD95 Signaling Inhibits B Cell Receptor-Mediated Gammaherpesvirus Replication in 6.6 36 7 Apoptosis-Resistant B Lymphoma Cells. Journal of Virology, 2016, 90, 9782-9796 Inhibition of highly pathogenic avian influenza (HPAI) virus by a peptide derived from vFLIP through 35 4.9 7 its direct destabilization of viruses. Scientific Reports, 2017, 7, 4875 Posttranslational Modification of HOIP Blocks Toll-Like Receptor 4-Mediated 7.8 7 34 Linear-Ubiquitin-Chain Formation. MBio, 2015, 6, e01777-15 c-FLIP-Short reduces type I interferon production and increases viremia with coxsackievirus B3. 33 3.7 PLoS ONE, **2014**, 9, e96156 FoxO1 Suppresses Kaposi's Sarcoma-Associated Herpesvirus Lytic Replication and Controls Viral 6.6 32 7 Latency. Journal of Virology, 2019, 93, A Talented Duo: IFIT1 and IFIT3 Patrol Viral RNA Caps. Immunity, 2018, 48, 474-476 6 31 32.3 Age-dependent pathogenic characteristics of SARS-CoV-2 infection in ferrets.. Nature 30 6 17.4 Communications, 2022, 13, 21 Coinfection of SARS-CoV-2 and Influenza A virus increased disease severity, impaired neutralizing 6.6 6 29 antibody, and CD4+ T cell responses.. Journal of Virology, 2022, jvi0187321

28	Identification of highly potent and selective inhibitor, TIPTP, of the p22phox-Rubicon axis as a therapeutic agent for rheumatoid arthritis. <i>Scientific Reports</i> , 2020 , 10, 4570	4.9	5
27	Efficient Inhibition of Human Papillomavirus Infection by L2 Minor Capsid-Derived Lipopeptide. <i>MBio</i> , 2019 , 10,	7.8	5
26	Zika virus NS3 protease induces bone morphogenetic protein-dependent brain calcification in human fetuses. <i>Nature Microbiology</i> , 2021 , 6, 455-466	26.6	5
25	Double the Trouble When Herpesviruses Join Hands. <i>Cell Host and Microbe</i> , 2017 , 22, 5-7	23.4	4
24	Negative regulation of NEMO signaling by the ubiquitin E3 ligase MARCH2. EMBO Journal, 2020, 39, e1	05339	4
23	Age-dependent pathogenic characteristics of SARS-CoV-2 infection in ferrets 2021 ,		4
22	The systemic inflammatory landscape of COVID-19 in pregnancy: Extensive serum proteomic profiling of mother-infant dyads with SARS-CoV-2. <i>Cell Reports Medicine</i> , 2021 , 2, 100453	18	3
21	Molecular Signatures of Inflammatory Profile and B-Cell Function in Patients with Severe Fever with Thrombocytopenia Syndrome. <i>MBio</i> , 2021 , 12,	7.8	3
20	Small Heterodimer Partner Controls the Virus-Mediated Antiviral Immune Response by Targeting CREB-Binding Protein in the Nucleus. <i>Cell Reports</i> , 2019 , 27, 2105-2118.e5	10.6	2
19	Unexpected Alliance of WHIP-TRIM14-PPP6C to Combat Viruses. <i>Molecular Cell</i> , 2017 , 68, 259-261	17.6	1
18	Activation of RIG-I-mediated antiviral signaling triggers autophagy through the MAVS-TRAF6-Beclin-1 signaling axis		1
17	IFITM3-Mediated Regulation of Cell Membrane Dynamics Is Essential for Malignant B-Cell Transformation. <i>Blood</i> , 2018 , 132, 552-552	2.2	1
16	Ifitm3 Is Essential for PI(3,4,5)P3-Dependent B-Cell Activation and Leukemogenesis. <i>Blood</i> , 2019 , 134, 2782-2782	2.2	1
15	Development of spike receptor-binding domain nanoparticle as a vaccine candidate against SARS-CoV-2 infection in ferrets 2021 ,		1
14	Viral Mimicry of Interleukin-17A by SARS-CoV-2 ORF8 <i>MBio</i> , 2022 , e0040222	7.8	1
13	Reply. Journal of Allergy and Clinical Immunology, 2017 , 139, 712-713	11.5	
12	No TRIFling Matter on STING. <i>Cell Host and Microbe</i> , 2016 , 20, 277-278	23.4	
11	Bacterial Protein Reshapes Host Defense toward Antiviral Responses. <i>Molecular Cell</i> , 2018 , 71, 483-484	17.6	

LIST OF PUBLICATIONS

10	Inhibitory Receptors and Phosphatases Enable Oncogenic Tyrosine Kinase Signaling In B Cell Lineage Leukemia. <i>Blood</i> , 2013 , 122, 229-229	2.2
9	A Genome-Wide CRISPR Activation Screen Identifies Genes Involved in Protection from Zika Virus Infection. <i>Proceedings (mdpi)</i> , 2020 , 50, 149	0.3
8	Biographical Feature: Bernhard Fleckenstein. <i>Journal of Virology</i> , 2021 , 95, e0089621	6.6
7	A network medicine approach to investigation and population-based validation of disease manifestations and drug repurposing for COVID-19 2020 , 18, e3000970	
6	A network medicine approach to investigation and population-based validation of disease manifestations and drug repurposing for COVID-19 2020 , 18, e3000970	
5	A network medicine approach to investigation and population-based validation of disease manifestations and drug repurposing for COVID-19 2020 , 18, e3000970	
4	A network medicine approach to investigation and population-based validation of disease manifestations and drug repurposing for COVID-19 2020 , 18, e3000970	
3	A network medicine approach to investigation and population-based validation of disease manifestations and drug repurposing for COVID-19 2020 , 18, e3000970	
2	A network medicine approach to investigation and population-based validation of disease manifestations and drug repurposing for COVID-19 2020 , 18, e3000970	
1	A network medicine approach to investigation and population-based validation of disease manifestations and drug repurposing for COVID-19 2020 , 18, e3000970	