

Jean Kaoru Millet

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

37
papers

3,540
citations

23
h-index

39
g-index

39
ext. papers

4,410
ext. citations

6.4
avg, IF

6.42
L-index

#	Paper	IF	Citations
37	Mechanisms of coronavirus cell entry mediated by the viral spike protein. <i>Viruses</i> , 2012 , 4, 1011-33	6.2	779
36	Host cell proteases: Critical determinants of coronavirus tropism and pathogenesis. <i>Virus Research</i> , 2015 , 202, 120-34	6.4	570
35	Host cell entry of Middle East respiratory syndrome coronavirus after two-step, furin-mediated activation of the spike protein. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 15214-9	11.5	452
34	Phylogenetic Analysis and Structural Modeling of SARS-CoV-2 Spike Protein Reveals an Evolutionary Distinct and Proteolytically Sensitive Activation Loop. <i>Journal of Molecular Biology</i> , 2020 , 432, 3309-3325	6.5	288
33	Proteolytic Cleavage of the SARS-CoV-2 Spike Protein and the Role of the Novel S1/S2 Site. <i>IScience</i> , 2020 , 23, 101212	6.1	177
32	Physiological and molecular triggers for SARS-CoV membrane fusion and entry into host cells. <i>Virology</i> , 2018 , 517, 3-8	3.6	169
31	The SARS-CoV Fusion Peptide Forms an Extended Bipartite Fusion Platform that Perturbs Membrane Order in a Calcium-Dependent Manner. <i>Journal of Molecular Biology</i> , 2017 , 429, 3875-3892	6.5	109
30	Mutation in spike protein cleavage site and pathogenesis of feline coronavirus. <i>Emerging Infectious Diseases</i> , 2013 , 19, 1066-73	10.2	109
29	Dual inhibitory effects of APOBEC family proteins on retrotransposition of mammalian endogenous retroviruses. <i>Nucleic Acids Research</i> , 2006 , 34, 1522-31	20.1	103
28	A human coronavirus responsible for the common cold massively kills dendritic cells but not monocytes. <i>Journal of Virology</i> , 2012 , 86, 7577-87	6.6	77
27	Middle East respiratory syndrome coronavirus infection is inhibited by griffithsin. <i>Antiviral Research</i> , 2016 , 133, 1-8	10.8	74
26	A Tale of Two Viruses: The Distinct Spike Glycoproteins of Feline Coronaviruses. <i>Viruses</i> , 2020 , 12,	6.2	67
25	Murine Leukemia Virus (MLV)-based Coronavirus Spike-pseudotyped Particle Production and Infection. <i>Bio-protocol</i> , 2016 , 6,	0.9	63
24	Structure-Function Studies Link Class II Viral Fusogens with the Ancestral Gamete Fusion Protein HAP2. <i>Current Biology</i> , 2017 , 27, 651-660	6.3	52
23	Coronaviruses in cats and other companion animals: Where does SARS-CoV-2/COVID-19 fit?. <i>Veterinary Microbiology</i> , 2020 , 247, 108777	3.3	52
22	Production of Pseudotyped Particles to Study Highly Pathogenic Coronaviruses in a Biosafety Level 2 Setting. <i>Journal of Visualized Experiments</i> , 2019 ,	1.6	46
21	Single particle assay of coronavirus membrane fusion with proteinaceous receptor-embedded supported bilayers. <i>Biomaterials</i> , 2013 , 34, 7895-904	15.6	44

20	Ezrin interacts with the SARS coronavirus Spike protein and restrains infection at the entry stage. <i>PLoS ONE</i> , 2012 , 7, e49566	3.7	37
19	Molecular diversity of coronavirus host cell entry receptors. <i>FEMS Microbiology Reviews</i> , 2021 , 45,	15.1	37
18	Membrane fusion-competent virus-like proteoliposomes and proteinaceous supported bilayers made directly from cell plasma membranes. <i>Langmuir</i> , 2013 , 29, 6409-19	4	33
17	Calcium Ions Directly Interact with the Ebola Virus Fusion Peptide To Promote Structure-Function Changes That Enhance Infection. <i>ACS Infectious Diseases</i> , 2020 , 6, 250-260	5.5	33
16	Characterization of a recombinant canine coronavirus with a distinct receptor-binding (S1) domain. <i>Virology</i> , 2012 , 430, 90-9	3.6	29
15	Coronavirus entry: how we arrived at SARS-CoV-2. <i>Current Opinion in Virology</i> , 2021 , 47, 113-120	7.5	27
14	Improving Virus Taxonomy by Recontextualizing Sequence-Based Classification with Biologically Relevant Data: the Case of the Species. <i>MSphere</i> , 2018 , 3,	5	19
13	Structural modeling of 2019-novel coronavirus (nCoV) spike protein reveals a proteolytically-sensitive activation loop as a distinguishing feature compared to SARS-CoV and related SARS-like coronaviruses 2020 ,		18
12	A camel-derived MERS-CoV with a variant spike protein cleavage site and distinct fusion activation properties. <i>Emerging Microbes and Infections</i> , 2016 , 5, e126	18.9	18
11	A Fluorogenic Peptide Cleavage Assay to Screen for Proteolytic Activity: Applications for coronavirus spike protein activation. <i>Journal of Visualized Experiments</i> , 2019 ,	1.6	16
10	Viral fusion efficacy of specific H3N2 influenza virus reassortant combinations at single-particle level. <i>Scientific Reports</i> , 2016 , 6, 35537	4.9	14
9	Biochemical Characterization of Middle East Respiratory Syndrome Coronavirus Spike Protein Proteolytic Processing. <i>Methods in Molecular Biology</i> , 2020 , 2099, 21-37	1.4	8
8	Investigation of the functional roles of host cell proteins involved in coronavirus infection using highly specific and scalable RNA interference (RNAi) approach. <i>Methods in Molecular Biology</i> , 2015 , 1282, 231-40	1.4	7
7	Coronaviruses Associated with the Superfamily. <i>MBio</i> , 2021 , 12,	7.8	7
6	Furin cleavage sites in the spike proteins of bat and rodent coronaviruses: Implications for virus evolution and zoonotic transfer from rodent species. <i>One Health</i> , 2021 , 13, 100282	7.6	3
5	Viral and Host Attributes Underlying the Origins of Zoonotic Coronaviruses in Bats. <i>Comparative Medicine</i> , 2021 , 71, 442-450	1.6	2
4	Spike-based phylogenetically defined clades within the Alphacoronavirus 1 species		1
3	Deciphering the Fine-Tuning of the Retinoic Acid-Inducible Gene-I Pathway in Teleost Fish and Beyond. <i>Frontiers in Immunology</i> , 2021 , 12, 679242	8.4	0

- 2 The C-Terminal Domain of Salmonid Alphavirus Nonstructural Protein 2 (nsP2) Is Essential and Sufficient To Block RIG-I Pathway Induction and Interferon-Mediated Antiviral Response. *Journal of Virology*, **2021**, 95, e0115521 6.6 ○
- 1 Recent Zoonotic Spillover and Tropism Shift of a Canine Coronavirus Is Associated with Relaxed Selection and Putative Loss of Function in NTD Subdomain of Spike Protein. *Viruses*, **2022**, 14, 853 6.2 ○