

# Jean Kaoru Millet

## List of Publications by Year in Descending Order

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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 | 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. <i>Viruses</i> , <b>2022</b> , 14, 853                             | 6.2  | 0         |
| 36 | Viral and Host Attributes Underlying the Origins of Zoonotic Coronaviruses in Bats. <i>Comparative Medicine</i> , <b>2021</b> , 71, 442-450  | 1.6  | 2         |
| 35 | Deciphering the Fine-Tuning of the Retinoic Acid-Inducible Gene-I Pathway in Teleost Fish and Beyond. <i>Frontiers in Immunology</i> , <b>2021</b> , 12, 679242  | 8.4  | 0         |
| 34 | Coronavirus entry: how we arrived at SARS-CoV-2. <i>Current Opinion in Virology</i> , <b>2021</b> , 47, 113-120  | 7.5  | 27        |
| 33 | Molecular diversity of coronavirus host cell entry receptors. <i>FEMS Microbiology Reviews</i> , <b>2021</b> , 45,   | 15.1 | 37        |
| 32 | 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. <i>Journal of Virology</i> , <b>2021</b> , 95, e0115521 | 6.6  | 0         |
| 31 | 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> , <b>2021</b> , 13, 100282   | 7.6  | 3         |
| 30 | Coronaviruses Associated with the Superfamily. <i>MBio</i> , <b>2021</b> , 12,   | 7.8  | 7         |
| 29 | Proteolytic Cleavage of the SARS-CoV-2 Spike Protein and the Role of the Novel S1/S2 Site. <i>IScience</i> , <b>2020</b> , 23, 101212  | 6.1  | 177       |
| 28 | Coronaviruses in cats and other companion animals: Where does SARS-CoV-2/COVID-19 fit?. <i>Veterinary Microbiology</i> , <b>2020</b> , 247, 108777   | 3.3  | 52        |
| 27 | A Tale of Two Viruses: The Distinct Spike Glycoproteins of Feline Coronaviruses. <i>Viruses</i> , <b>2020</b> , 12,  | 6.2  | 67        |
| 26 | 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> , <b>2020</b> , 432, 3309-3325                 | 6.5  | 288       |
| 25 | 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 <b>2020</b> ,                    |      | 18        |
| 24 | Calcium Ions Directly Interact with the Ebola Virus Fusion Peptide To Promote Structure-Function Changes That Enhance Infection. <i>ACS Infectious Diseases</i> , <b>2020</b> , 6, 250-260   | 5.5  | 33        |
| 23 | Biochemical Characterization of Middle East Respiratory Syndrome Coronavirus Spike Protein Proteolytic Processing. <i>Methods in Molecular Biology</i> , <b>2020</b> , 2099, 21-37   | 1.4  | 8         |
| 22 | A Fluorogenic Peptide Cleavage Assay to Screen for Proteolytic Activity: Applications for coronavirus spike protein activation. <i>Journal of Visualized Experiments</i> , <b>2019</b> ,   | 1.6  | 16        |
| 21 | Production of Pseudotyped Particles to Study Highly Pathogenic Coronaviruses in a Biosafety Level 2 Setting. <i>Journal of Visualized Experiments</i> , <b>2019</b> ,  | 1.6  | 46        |

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|----|---|------|-----|
| 20 | Physiological and molecular triggers for SARS-CoV membrane fusion and entry into host cells. <i>Virology</i> , <b>2018</b> , 517, 3-8   | 3.6  | 169 |
| 19 | Improving Virus Taxonomy by Recontextualizing Sequence-Based Classification with Biologically Relevant Data: the Case of the Species. <i>MSphere</i> , <b>2018</b> , 3,   | 5    | 19  |
| 18 | Structure-Function Studies Link Class II Viral Fusogens with the Ancestral Gamete Fusion Protein HAP2. <i>Current Biology</i> , <b>2017</b> , 27, 651-660   | 6.3  | 52  |
| 17 | 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> , <b>2017</b> , 429, 3875-3892  | 6.5  | 109 |
| 16 | Viral fusion efficacy of specific H3N2 influenza virus reassortant combinations at single-particle level. <i>Scientific Reports</i> , <b>2016</b> , 6, 35537  | 4.9  | 14  |
| 15 | Murine Leukemia Virus (MLV)-based Coronavirus Spike-pseudotyped Particle Production and Infection. <i>Bio-protocol</i> , <b>2016</b> , 6,   | 0.9  | 63  |
| 14 | A camel-derived MERS-CoV with a variant spike protein cleavage site and distinct fusion activation properties. <i>Emerging Microbes and Infections</i> , <b>2016</b> , 5, e126  | 18.9 | 18  |
| 13 | Middle East respiratory syndrome coronavirus infection is inhibited by griffithsin. <i>Antiviral Research</i> , <b>2016</b> , 133, 1-8  | 10.8 | 74  |
| 12 | Host cell proteases: Critical determinants of coronavirus tropism and pathogenesis. <i>Virus Research</i> , <b>2015</b> , 202, 120-34   | 6.4  | 570 |
| 11 | 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> , <b>2015</b> , 1282, 231-40                 | 1.4  | 7   |
| 10 | 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> , <b>2014</b> , 111, 15214-9 | 11.5 | 452 |
| 9  | Mutation in spike protein cleavage site and pathogenesis of feline coronavirus. <i>Emerging Infectious Diseases</i> , <b>2013</b> , 19, 1066-73   | 10.2 | 109 |
| 8  | Single particle assay of coronavirus membrane fusion with proteinaceous receptor-embedded supported bilayers. <i>Biomaterials</i> , <b>2013</b> , 34, 7895-904  | 15.6 | 44  |
| 7  | Membrane fusion-competent virus-like proteoliposomes and proteinaceous supported bilayers made directly from cell plasma membranes. <i>Langmuir</i> , <b>2013</b> , 29, 6409-19   | 4    | 33  |
| 6  | Characterization of a recombinant canine coronavirus with a distinct receptor-binding (S1) domain. <i>Virology</i> , <b>2012</b> , 430, 90-9  | 3.6  | 29  |
| 5  | Mechanisms of coronavirus cell entry mediated by the viral spike protein. <i>Viruses</i> , <b>2012</b> , 4, 1011-33   | 6.2  | 779 |
| 4  | A human coronavirus responsible for the common cold massively kills dendritic cells but not monocytes. <i>Journal of Virology</i> , <b>2012</b> , 86, 7577-87   | 6.6  | 77  |
| 3  | Ezrin interacts with the SARS coronavirus Spike protein and restrains infection at the entry stage. <i>PLoS ONE</i> , <b>2012</b> , 7, e49566   | 3.7  | 37  |

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|---|---|------|-----|
| 2 | Dual inhibitory effects of APOBEC family proteins on retrotransposition of mammalian endogenous retroviruses. <i>Nucleic Acids Research</i> , <b>2006</b> , 34, 1522-31 | 20.1 | 103 |
| 1 | Spike-based phylogenetically defined clades within the Alphacoronavirus 1 species   |      | 1   |