Javier A Jaimes

List of Publications by Year in Descending Order

23 papers	1,374 citations	14 h-index	27 g-index
27 ext. papers	1,956 ext. citations	5.4 avg, IF	6.01 L-index

#	Paper	IF	Citations
23	Functional evaluation of the P681H mutation on the proteolytic activation of the SARS-CoV-2 variant B.1.1.7 (Alpha) spike.. *IScience*, **2022**, 25, 103589	6.1	36
22	Coagulation factors directly cleave SARS-CoV-2 spike and enhance viral entry.. *ELife*, **2022**, 11,	8.9	4
21	SARS-CoV-2 electrochemical immunosensor based on the spike-ACE2 complex.. *Analytica Chimica Acta*, **2022**, 1205, 339718	6.6	3
20	Functional evaluation of proteolytic activation for the SARS-CoV-2 variant B.1.1.7: role of the P681H mutation **2021**,		31
19	Coagulation factors directly cleave SARS-CoV-2 spike and enhance viral entry **2021**,		9
18	Molecular diversity of coronavirus host cell entry receptors. *FEMS Microbiology Reviews*, **2021**, 45,	15.1	37
17	Proteolytic Activation of SARS-CoV-2 Spike at the S1/S2 Boundary: Potential Role of Proteases beyond Furin. *ACS Infectious Diseases*, **2021**, 7, 264-272	5.5	60
16	SARS CoV-2 Spike Protein Interaction With ACE2 Receptors From Wild and Domestic Species. *Frontiers in Genetics*, **2021**, 12, 571707	4.5	7
15	Spike protein cleavage-activation mediated by the SARS-CoV-2 P681R mutation: a case-study from its first appearance in variant of interest (VOI) A.23.1 identified in Uganda **2021**,		14
14	SARS-CoV-2 Clinical Outcome in Domestic and Wild Cats: A Systematic Review. *Animals*, **2021**, 11,	3.1	11
13	Inhibitors of L-Type Calcium Channels Show Therapeutic Potential for Treating SARS-CoV-2 Infections by Preventing Virus Entry and Spread. *ACS Infectious Diseases*, **2021**, 7, 2807-2815	5.5	5
12	Proteolytic Cleavage of the SARS-CoV-2 Spike Protein and the Role of the Novel S1/S2 Site. *IScience*, **2020**, 23, 101212	6.1	177
11	Coronaviruses in cats and other companion animals: Where does SARS-CoV-2/COVID-19 fit?. *Veterinary Microbiology*, **2020**, 247, 108777	3.3	52
10	A Tale of Two Viruses: The Distinct Spike Glycoproteins of Feline Coronaviruses. *Viruses*, **2020**, 12,	6.2	67
9	Coronavirus membrane fusion mechanism offers a potential target for antiviral development. *Antiviral Research*, **2020**, 178, 104792	10.8	418
8	Phylogenetic Analysis and Structural Modeling of SARS-CoV-2 Spike Protein Reveals an Evolutionary Distinct and Proteolytically Sensitive Activation Loop. *Journal of Molecular Biology*, **2020**, 432, 3309-3325	6.5	288
7	Concerns on the Emerging Research of SARS-CoV-2 on Felines: Could They be Significant Hosts/Reservoirs?. *Journal of Pure and Applied Microbiology*, **2020**, 14, 703-708	0.9	4

LIST OF PUBLICATIONS

6	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
5	A Fluorogenic Peptide Cleavage Assay to Screen for Proteolytic Activity: Applications for coronavirus spike protein activation. *Journal of Visualized Experiments*, **2019**,	1.6	16
4	Production of Pseudotyped Particles to Study Highly Pathogenic Coronaviruses in a Biosafety Level 2 Setting. *Journal of Visualized Experiments*, **2019**,	1.6	46
3	Feline coronavirus: Insights into viral pathogenesis based on the spike protein structure and function. *Virology*, **2018**, 517, 108-121	3.6	48
2	Inhibitors of L-type calcium channels show therapeutic potential for treating SARS-CoV-2 infections by preventing virus entry and spread		16
1	Intrinsic furin-mediated cleavability of the spike S1/S2 site from SARS-CoV-2 variant B.1.529 (Omicron)		5