

Vicente Mas

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39
papers

1,337
citations

19
h-index

36
g-index

41
ext. papers

1,686
ext. citations

8.4
avg, IF

4.1
L-index

#	Paper	IF	Citations
39	Neutralizing antibodies against the preactive form of respiratory syncytial virus fusion protein offer unique possibilities for clinical intervention. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 3089-94	11.5	172
38	The olive leaf extract exhibits antiviral activity against viral haemorrhagic septicaemia rhabdovirus (VHSV). <i>Antiviral Research</i> , 2005 , 66, 129-36	10.8	171
37	Generation and Characterization of ALX-0171, a Potent Novel Therapeutic Nanobody for the Treatment of Respiratory Syncytial Virus Infection. <i>Antimicrobial Agents and Chemotherapy</i> , 2016 , 60, 6-13	5.9	142
36	Rapid profiling of RSV antibody repertoires from the memory B cells of naturally infected adult donors. <i>Science Immunology</i> , 2016 , 1,	28	120
35	Characterization of a Prefusion-Specific Antibody That Recognizes a Quaternary, Cleavage-Dependent Epitope on the RSV Fusion Glycoprotein. <i>PLoS Pathogens</i> , 2015 , 11, e1005035	7.6	87
34	De novo protein design enables the precise induction of RSV-neutralizing antibodies. <i>Science</i> , 2020 , 368,	33.3	69
33	Low-pH-induced membrane fusion mediated by human metapneumovirus F protein is a rare, strain-dependent phenomenon. <i>Journal of Virology</i> , 2008 , 82, 8891-5	6.6	56
32	Structure and immunogenicity of pre-fusion-stabilized human metapneumovirus F glycoprotein. <i>Nature Communications</i> , 2017 , 8, 1528	17.4	50
31	Dual antiviral activity of human alpha-defensin-1 against viral haemorrhagic septicaemia rhabdovirus (VHSV): inactivation of virus particles and induction of a type I interferon-related response. <i>Antiviral Research</i> , 2007 , 76, 111-23	10.8	49
30	Potent single-domain antibodies that arrest respiratory syncytial virus fusion protein in its prefusion state. <i>Nature Communications</i> , 2017 , 8, 14158	17.4	41
29	Structural, antigenic and immunogenic features of respiratory syncytial virus glycoproteins relevant for vaccine development. <i>Vaccine</i> , 2017 , 35, 461-468	4.1	35
28	A monomeric uncleaved respiratory syncytial virus F antigen retains prefusion-specific neutralizing epitopes. <i>Journal of Virology</i> , 2014 , 88, 11802-10	6.6	30
27	Entry of enveloped viruses into host cells: membrane fusion. <i>Sub-Cellular Biochemistry</i> , 2013 , 68, 467-87	5.5	30
26	A protein G fragment from the salmonid viral hemorrhagic septicemia rhabdovirus induces cell-to-cell fusion and membrane phosphatidylserine translocation at low pH. <i>Journal of Biological Chemistry</i> , 2001 , 276, 46268-75	5.4	28
25	Influence of Respiratory Syncytial Virus F Glycoprotein Conformation on Induction of Protective Immune Responses. <i>Journal of Virology</i> , 2016 , 90, 5485-5498	6.6	25
24	Engineering, Structure and Immunogenicity of the Human Metapneumovirus F Protein in the Postfusion Conformation. <i>PLoS Pathogens</i> , 2016 , 12, e1005859	7.6	24
23	Reversible inhibition of spreading of in vitro infection and imbalance of viral protein accumulation at low pH in viral hemorrhagic septicemia rhabdovirus, a salmonid rhabdovirus. <i>Journal of Virology</i> , 2004 , 78, 1936-44	6.6	22

22	Trivalency of a Nanobody Specific for the Human Respiratory Syncytial Virus Fusion Glycoprotein Drastically Enhances Virus Neutralization and Impacts Escape Mutant Selection. <i>Antimicrobial Agents and Chemotherapy</i> , 2016 , 60, 6498-6509	5.9	20
21	Residues of the human metapneumovirus fusion (F) protein critical for its strain-related fusion phenotype: implications for the virus replication cycle. <i>Journal of Virology</i> , 2011 , 85, 12650-61	6.6	19
20	Antibody response to a fragment of the protein G of VHS rhabdovirus in immunised trout. <i>Veterinary Immunology and Immunopathology</i> , 2002 , 86, 89-99	2	18
19	The Pneumovirinae fusion (F) protein: A common target for vaccines and antivirals. <i>Virus Research</i> , 2015 , 209, 128-35	6.4	16
18	Antigenic and sequence variability of the human respiratory syncytial virus F glycoprotein compared to related viruses in a comprehensive dataset. <i>Vaccine</i> , 2018 , 36, 6660-6673	4.1	16
17	Structural and biophysical characterizations of HIV-1 matrix trimer binding to lipid nanodiscs shed light on virus assembly. <i>Journal of Biological Chemistry</i> , 2019 , 294, 18600-18612	5.4	14
16	Enhanced detection of viral hemorrhagic septicemia virus (a salmonid rhabdovirus) by pretreatment of the virus with a combinatorial library-selected peptide. <i>Journal of Virological Methods</i> , 2002 , 106, 17-23	2.6	12
15	Polyclonal and monoclonal antibodies specific for the six-helix bundle of the human respiratory syncytial virus fusion glycoprotein as probes of the protein post-fusion conformation. <i>Virology</i> , 2014 , 460-461, 119-27	3.6	11
14	Identification of selective inhibitors of VHSV from biased combinatorial libraries of N,NVdisubstituted 2,5-piperazinediones. <i>Antiviral Research</i> , 2006 , 72, 107-15	10.8	11
13	The Complexity of Antibody Responses Elicited against the Respiratory Syncytial Virus Glycoproteins in Hospitalized Children Younger than 2 Years. <i>Frontiers in Microbiology</i> , 2017 , 8, 2301	5.7	9
12	Development and comparison of mimotope-based immunoassays for the analysis of fumonisin B. <i>Analytical and Bioanalytical Chemistry</i> , 2019 , 411, 6801-6811	4.4	8
11	Generation of monoclonal antibodies specific of the postfusion conformation of the Pneumovirinae fusion (F) protein. <i>Journal of Virological Methods</i> , 2015 , 224, 1-8	2.6	7
10	Low anti-SARS-CoV-2 S antibody levels predict increased mortality and dissemination of viral components in the blood of critical COVID-19 patients. <i>Journal of Internal Medicine</i> , 2021 ,	10.8	7
9	Characterization of an enhanced antigenic change in the pandemic 2009 H1N1 influenza virus haemagglutinin. <i>Journal of General Virology</i> , 2014 , 95, 1033-1042	4.9	6
8	De novo protein design enables precise induction of functional antibodies in vivo		4
7	Chimeric fusion proteins as immunogens to induce cross-neutralizing antibody responses. <i>EMBO Molecular Medicine</i> , 2018 , 10, 175-187	12	3
6	Discordance Between SARS-CoV-2-specific Cell-mediated and Antibody Responses Elicited by mRNA-1273 Vaccine in Kidney and Liver Transplant Recipients. <i>Transplantation Direct</i> , 2021 , 7, e794	2.3	2
5	Emergence of Progressive Mutations in SARS-CoV-2 From a Hematologic Patient With Prolonged Viral Replication.. <i>Frontiers in Microbiology</i> , 2022 , 13, 826883	5.7	1

4	Structure-based design of prefusion-stabilized human metapneumovirus fusion proteins.. <i>Nature Communications</i> , 2022 , 13, 1299	17.4	1
3	Similar humoral immune responses against the SARS-CoV-2 spike protein in HIV and non-HIV individuals after COVID-19. <i>Journal of Infection</i> , 2021 ,	18.9	0
2	Brief Research Report: Virus-Specific Humoral Immunity at Admission Predicts the Development of Respiratory Failure in Unvaccinated SARS-CoV-2 Patients.. <i>Frontiers in Immunology</i> , 2022 , 13, 878812	8.4	0
1	Respiratory Syncytial Virus1-13		