

JosÃ© A Melero

List of Publications by Year in descending order

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papers

4,421
citations

101543

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times ranked

4501
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#	ARTICLE	IF	CITATIONS
1	Lack of antibody affinity maturation due to poor Toll-like receptor stimulation leads to enhanced respiratory syncytial virus disease. <i>Nature Medicine</i> , 2009, 15, 34-41.	30.7	430
2	Progress in understanding and controlling respiratory syncytial virus: Still crazy after all these years. <i>Virus Research</i> , 2011, 162, 80-99.	2.2	381
3	The respiratory syncytial virus vaccine landscape: lessons from the graveyard and promising candidates. <i>Lancet Infectious Diseases</i> , The, 2018, 18, e295-e311.	9.1	355
4	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.	3.2	222
5	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, 3089-3094.	7.1	217
6	Rapid profiling of RSV antibody repertoires from the memory B cells of naturally infected adult donors. <i>Science Immunology</i> , 2016, 1, .	11.9	180
7	Ten Years of Global Evolution of the Human Respiratory Syncytial Virus BA Genotype with a 60-Nucleotide Duplication in the G Protein Gene. <i>Journal of Virology</i> , 2010, 84, 7500-7512.	3.4	153
8	Llama-Derived Single Domain Antibodies to Build Multivalent, Superpotent and Broadened Neutralizing Anti-Viral Molecules. <i>PLoS ONE</i> , 2011, 6, e17665.	2.5	150
9	Eliminating a Region of Respiratory Syncytial Virus Attachment Protein Allows Induction of Protective Immunity without Vaccine-enhanced Lung Eosinophilia. <i>Journal of Experimental Medicine</i> , 1998, 187, 1921-1926.	8.5	137
10	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.	4.7	106
11	Electron Microscopy of the Human Respiratory Syncytial Virus Fusion Protein and Complexes That It Forms with Monoclonal Antibodies. <i>Virology</i> , 2000, 271, 122-131.	2.4	101
12	The cysteine-rich region of respiratory syncytial virus attachment protein inhibits innate immunity elicited by the virus and endotoxin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 8996-9001.	7.1	101
13	Binding of human respiratory syncytial virus to cells: implication of sulfated cell surface proteoglycans. <i>Journal of General Virology</i> , 2000, 81, 2715-2722.	2.9	91
14	Structure and immunogenicity of pre-fusion-stabilized human metapneumovirus F glycoprotein. <i>Nature Communications</i> , 2017, 8, 1528.	12.8	86
15	Social, economic, and health impact of the respiratory syncytial virus: a systematic search. <i>BMC Infectious Diseases</i> , 2014, 14, 544.	2.9	76
16	Host Cell Effect upon Glycosylation and Antigenicity of Human Respiratory Syncytial Virus G Glycoprotein. <i>Virology</i> , 1996, 221, 301-309.	2.4	66
17	Membrane Permeability Changes Induced in <i>Escherichia coli</i> by the SH Protein of Human Respiratory Syncytial Virus. <i>Virology</i> , 1997, 235, 342-351.	2.4	66
18	Effect of Proteolytic Processing at Two Distinct Sites on Shape and Aggregation of an Anchorless Fusion Protein of Human Respiratory Syncytial Virus and Fate of the Intervening Segment. <i>Virology</i> , 2002, 298, 317-326.	2.4	66

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19	Evaluation of the antibody specificities of human convalescent-phase sera against the attachment (G) protein of human respiratory syncytial virus: Influence of strain variation and carbohydrate side chains. <i>Journal of Medical Virology</i> , 2000, 60, 468-474.	5.0	65
20	Structural analysis of the human respiratory syncytial virus phosphoprotein: characterization of an α -helical domain involved in oligomerization. <i>Journal of General Virology</i> , 2006, 87, 159-169.	2.9	65
21	Low-pH-Induced Membrane Fusion Mediated by Human Metapneumovirus F Protein Is a Rare, Strain-Dependent Phenomenon. <i>Journal of Virology</i> , 2008, 82, 8891-8895.	3.4	65
22	Conservation of G-Protein Epitopes in Respiratory Syncytial Virus (Group A) Despite Broad Genetic Diversity: Is Antibody Selection Involved in Virus Evolution?. <i>Journal of Virology</i> , 2015, 89, 7776-7785.	3.4	62
23	Potent single-domain antibodies that arrest respiratory syncytial virus fusion protein in its prefusion state. <i>Nature Communications</i> , 2017, 8, 14158.	12.8	58
24	ISG15 Is Upregulated in Respiratory Syncytial Virus Infection and Reduces Virus Growth through Protein ISGylation. <i>Journal of Virology</i> , 2016, 90, 3428-3438.	3.4	56
25	Recombinant Vaccinia Virus Coexpressing the F Protein of Respiratory Syncytial Virus (RSV) and Interleukin-4 (IL-4) Does Not Inhibit the Development of RSV-Specific Memory Cytotoxic T Lymphocytes, whereas Priming Is Diminished in the Presence of High Levels of IL-2 or Gamma Interferon. <i>Journal of Virology</i> , 1998, 72, 4080-4087.	3.4	55
26	Neutralization of Human Respiratory Syncytial Virus Infectivity by Antibodies and Low-Molecular-Weight Compounds Targeted against the Fusion Glycoprotein. <i>Journal of Virology</i> , 2010, 84, 7970-7982.	3.4	54
27	Structural, antigenic and immunogenic features of respiratory syncytial virus glycoproteins relevant for vaccine development. <i>Vaccine</i> , 2017, 35, 461-468.	3.8	53
28	Influence of Respiratory Syncytial Virus Strain Differences on Pathogenesis and Immunity. <i>Current Topics in Microbiology and Immunology</i> , 2013, 372, 59-82.	1.1	51
29	DNA encoding the attachment (G) or fusion (F) protein of respiratory syncytial virus induces protection in the absence of pulmonary inflammation. <i>Journal of General Virology</i> , 2000, 81, 2519-2523.	2.9	51
30	Entry of Enveloped Viruses into Host Cells: Membrane Fusion. <i>Sub-Cellular Biochemistry</i> , 2013, 68, 467-487.	2.4	50
31	Engineering, Structure and Immunogenicity of the Human Metapneumovirus F Protein in the Postfusion Conformation. <i>PLoS Pathogens</i> , 2016, 12, e1005859.	4.7	50
32	Characterization of the epitope for anti-human respiratory syncytial virus F protein monoclonal antibody 101F using synthetic peptides and genetic approaches. <i>Journal of General Virology</i> , 2007, 88, 2719-2723.	2.9	48
33	The Soluble Form of Human Respiratory Syncytial Virus Attachment Protein Differs from the Membrane-Bound Form in Its Oligomeric State but Is Still Capable of Binding to Cell Surface Proteoglycans. <i>Journal of Virology</i> , 2004, 78, 3524-3532.	3.4	45
34	Genetic and Antigenic Variability of Human Respiratory Syncytial Virus (Groups A and B) Isolated over Seven Consecutive Seasons in Argentina (1995 to 2001). <i>Journal of Clinical Microbiology</i> , 2005, 43, 2266-2273.	3.9	45
35	Structural properties of the human respiratory syncytial virus P protein: Evidence for an elongated homotetrameric molecule that is the smallest orthologue within the family of paramyxovirus polymerase cofactors. <i>Proteins: Structure, Function and Bioinformatics</i> , 2008, 72, 946-958.	2.6	43
36	Priming with a Secreted Form of the Fusion Protein of Respiratory Syncytial Virus (RSV) Promotes Interleukin-4 (IL-4) and IL-5 Production but Not Pulmonary Eosinophilia following RSV Challenge. <i>Journal of Virology</i> , 1999, 73, 10086-10094.	3.4	40

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37	A Monomeric Uncleaved Respiratory Syncytial Virus F Antigen Retains Prefusion-Specific Neutralizing Epitopes. <i>Journal of Virology</i> , 2014, 88, 11802-11810.	3.4	38
38	Thermostability of the human respiratory syncytial virus fusion protein before and after activation: implications for the membrane-fusion mechanism. <i>Journal of General Virology</i> , 2004, 85, 3677-3687.	2.9	33
39	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.	3.8	32
40	Recombinant Sendai Viruses Expressing Fusion Proteins with Two Furin Cleavage Sites Mimic the Syncytial and Receptor-Independent Infection Properties of Respiratory Syncytial Virus. <i>Journal of Virology</i> , 2011, 85, 2771-2780.	3.4	30
41	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.	3.2	30
42	Characterization In Vitro and In Vivo of a Pandemic H1N1 Influenza Virus from a Fatal Case. <i>PLoS ONE</i> , 2013, 8, e53515.	2.5	29
43	Influence of Respiratory Syncytial Virus F Glycoprotein Conformation on Induction of Protective Immune Responses. <i>Journal of Virology</i> , 2016, 90, 5485-5498.	3.4	29
44	Insertion of the Two Cleavage Sites of the Respiratory Syncytial Virus Fusion Protein in Sendai Virus Fusion Protein Leads to Enhanced Cell-Cell Fusion and a Decreased Dependency on the HN Attachment Protein for Activity. <i>Journal of Virology</i> , 2008, 82, 5986-5998.	3.4	27
45	The Pneumovirinae fusion (F) protein: A common target for vaccines and antivirals. <i>Virus Research</i> , 2015, 209, 128-135.	2.2	26
46	Comparison of affinity chromatography and adsorption to vaccinia virus recombinant infected cells for depletion of antibodies directed against respiratory syncytial virus glycoproteins present in a human immunoglobulin preparation. <i>Journal of Medical Virology</i> , 2005, 76, 248-255.	5.0	25
47	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, 12650-12661.	3.4	22
48	The C-terminal third of human respiratory syncytial virus attachment (G) protein is partially resistant to protease digestion and is glycosylated in a cell-type-specific manner. <i>Journal of General Virology</i> , 2000, 81, 919-927.	2.9	20
49	Conformational studies of a short linear peptide corresponding to a major conserved neutralizing epitope of human respiratory syncytial virus fusion glycoprotein. <i>Biopolymers</i> , 1998, 39, 537-548.	2.4	15
50	Sequence elements of the fusion peptide of human respiratory syncytial virus fusion protein required for activity. <i>Journal of General Virology</i> , 2006, 87, 1649-1658.	2.9	15
51	Recombinant Soluble Respiratory Syncytial Virus F Protein That Lacks Heptad Repeat B, Contains a GCN4 Trimerization Motif and Is Not Cleaved Displays Prefusion-Like Characteristics. <i>PLoS ONE</i> , 2015, 10, e0130829.	2.5	15
52	Mapping of Monoclonal Antibody Epitopes of the Human Respiratory Syncytial Virus P Protein. <i>Virology</i> , 1993, 195, 239-242.	2.4	14
53	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.	3.5	13
54	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, 119-127.	2.4	11

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55	Comparison of antibodies directed against human respiratory syncytial virus antigens present in two commercial preparations of human immunoglobulins with different neutralizing activities. <i>Vaccine</i> , 2004, 23, 435-443.	3.8	10
56	Characterization of an enhanced antigenic change in the pandemic 2009 H1N1 influenza virus haemagglutinin. <i>Journal of General Virology</i> , 2014, 95, 1033-1042.	2.9	10
57	Chimeric <i>Pneumoviridae</i> fusion proteins as immunogens to induce cross-neutralizing antibody responses. <i>EMBO Molecular Medicine</i> , 2018, 10, 175-187.	6.9	10
58	Clinical response to pandemic h1n1 influenza virus from a fatal and mild case in ferrets. <i>Virology Journal</i> , 2015, 12, 48.	3.4	8
59	Selection and characterization of human respiratory syncytial virus escape mutants resistant to a polyclonal antiserum raised against the F protein. <i>Archives of Virology</i> , 2012, 157, 1071-1080.	2.1	7
60	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.	2.1	7
61	Influence of antigen conformation and mode of presentation on the antibody and protective responses against human respiratory syncytial virus: relevance for vaccine development. <i>Expert Review of Vaccines</i> , 2016, 15, 1319-1325.	4.4	4