Jose M Casasnovas

List of Publications by Year
in descending order

54	5,479	159585 30	168389 53
papers	citations	h-index	g-index

56	56	56	6905
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Full efficacy and long-term immunogenicity induced by the SARS-CoV-2 vaccine candidate MVA-CoV2-S in mice. Npj Vaccines, 2022, 7, 17.	6.0	19
2	Cross-reactive cellular, but not humoral, immunity is detected between OC43 and SARS-CoV-2 NPs in people not infected with SARS-CoV-2: Possible role of cTFH cells. Journal of Leukocyte Biology, 2022, 112, 339-346.	3.3	7
3	Nanobodies Protecting From Lethal SARS-CoV-2 Infection Target Receptor Binding Epitopes Preserved in Virus Variants Other Than Omicron. Frontiers in Immunology, 2022, 13, 863831.	4.8	10
4	COVID-19 Vaccine Candidates Based on Modified Vaccinia Virus Ankara Expressing the SARS-CoV-2 Spike Protein Induce Robust T- and B-Cell Immune Responses and Full Efficacy in Mice. Journal of Virology, 2021, 95, .	3.4	78
5	Singleâ€reaction multiâ€antigen serological test for comprehensive evaluation of SARSâ€CoVâ€2 patients by flow cytometry. European Journal of Immunology, 2021, 51, 2633-2640.	2.9	9
6	Viral Receptors. , 2021, , 388-401.		0
7	SARS-CoV-2 Spike Protein and Its Receptor Binding Domain Promote a Proinflammatory Activation Profile on Human Dendritic Cells. Cells, 2021, 10, 3279.	4.1	16
8	CD4+ T Cell Immune Specificity Changes After Vaccination in Healthy And COVID-19 Convalescent Subjects. Frontiers in Immunology, 2021, 12, 755891.	4.8	10
9	SARS-CoV-2 Cysteine-like Protease Antibodies Can Be Detected in Serum and Saliva of COVID-19â€"Seropositive Individuals. Journal of Immunology, 2020, 205, 3130-3140.	0.8	32
10	Oxidized Low-Density Lipoprotein Receptor in Lymphocytes Prevents Atherosclerosis and Predicts Subclinical Disease. Circulation, 2019, 139, 243-255.	1.6	36
11	Role of enhanced receptor engagement in the evolution of a pandemic acute hemorrhagic conjunctivitis virus. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 397-402.	7.1	43
12	Allosteric inhibition of aminopeptidase N functions related to tumor growth and virus infection. Scientific Reports, 2017, 7, 46045.	3.3	25
13	Measles Virus Hemagglutinin epitopes immunogenic in natural infection and vaccination are targeted by broad or genotype-specific neutralizing monoclonal antibodies. Virus Research, 2017, 236, 30-43.	2.2	10
14	Distinct Trafficking of Cell Surface and Endosomal <scp>TIM</scp>â€1 to the Immune Synapse. Traffic, 2015, 16, 1193-1207.	2.7	6
15	Crystal structures of an ICAM-5 ectodomain fragment show electrostatic-based homophilic adhesions. Acta Crystallographica Section D: Biological Crystallography, 2014, 70, 1934-1943.	2.5	10
16	TIM-1 Glycoprotein Binds the Adhesion Receptor P-Selectin and Mediates T Cell Trafficking during Inflammation and Autoimmunity. Immunity, 2014, 40, 542-553.	14.3	60
17	A structural view of coronavirusâ€"receptor interactions. Virus Research, 2014, 194, 3-15.	2.2	49
18	Virus-Receptor Interactions and Receptor-Mediated Virus Entry into Host Cells. Sub-Cellular Biochemistry, 2013, 68, 441-466.	2.4	26

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19	Structural Bases of Coronavirus Attachment to Host Aminopeptidase N and Its Inhibition by Neutralizing Antibodies. PLoS Pathogens, 2012, 8, e1002859.	4.7	155
20	Binding of Hepatitis A Virus to Its Cellular Receptor 1 Inhibits T-Regulatory Cell Functions in Humans. Gastroenterology, 2012, 142, 1516-1525.e3.	1.3	47
21	Fructose 1-Phosphate Is the Preferred Effector of the Metabolic Regulator Cra of Pseudomonas putida. Journal of Biological Chemistry, 2011, 286, 9351-9359.	3.4	23
22	Antigenic modules in the N-terminal S1 region of the transmissible gastroenteritis virus spike protein. Journal of General Virology, 2011, 92, 1117-1126.	2.9	18
23	Crystallization and preliminary crystallographic analysis of the measles virus hemagglutinin in complex with the CD46 receptor. Acta Crystallographica Section F: Structural Biology Communications, 2010, 66, 91-94.	0.7	3
24	Structure of the measles virus hemagglutinin bound to the CD46 receptor. Nature Structural and Molecular Biology, 2010, 17, 124-129.	8.2	117
25	TIM genes: a family of cell surface phosphatidylserine receptors that regulate innate and adaptive immunity. Immunological Reviews, 2010, 235, 172-189.	6.0	531
26	Candida albicans Î²-Glucan Exposure Is Controlled by the Fungal CEK1 -Mediated Mitogen-Activated Protein Kinase Pathway That Modulates Immune Responses Triggered through Dectin-1. Infection and Immunity, 2010, 78, 1426-1436.	2.2	90
27	T Cell/Transmembrane, Ig, and Mucin-3 Allelic Variants Differentially Recognize Phosphatidylserine and Mediate Phagocytosis of Apoptotic Cells. Journal of Immunology, 2010, 184, 1918-1930.	0.8	262
28	Structure of the Extracellular Portion of CD46 Provides Insights into Its Interactions with Complement Proteins and Pathogens. PLoS Pathogens, 2010, 6, e1001122.	4.7	86
29	Apoptotic Cells Activate NKT Cells through T Cell Ig-Like Mucin-Likeâ€“1 Resulting in Airway Hyperreactivity. Journal of Immunology, 2010, 185, 5225-5235.	0.8	67
30	Prophylactic uses of integrin CD18-Î²A peptide in a murine polymicrobial peritonitis model. World Journal of Gastroenterology, 2010, 16, 2648.	3.3	3
31	Specificity switching in virusâ€“receptor complexes. Current Opinion in Structural Biology, 2009, 19, 181-188.	5.7	15
32	An Unusual Allosteric Mobility of the C-Terminal Helix of a High-Affinity Î±L Integrin I Domain Variant Bound to ICAM-5. Molecular Cell, 2008, 31, 432-437.	9.7	43
33	Structures of T Cell Immunoglobulin Mucin Receptors 1 and 2 Reveal Mechanisms for Regulation of Immune Responses by the TIM Receptor Family. Immunity, 2007, 26, 299-310.	14.3	147
34	TIM-1 and TIM-4 Glycoproteins Bind Phosphatidylserine and Mediate Uptake of Apoptotic Cells. Immunity, 2007, 27, 927-940.	14.3	536
35	Structures of T Cell Immunoglobulin Mucin Protein 4 Show a Metal-Ion-Dependent Ligand Binding Site where Phosphatidylserine Binds. Immunity, 2007, 27, 941-951.	14.3	206
36	Adenovirus type 11 binding alters the conformation of its receptor CD46. Nature Structural and Molecular Biology, 2007, 14, 164-166.	8.2	86

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37	Methods for preparation of low abundance glycoproteins from mammalian cell supernatants. International Journal of Biological Macromolecules, 2006, 39, 151-156.	7.5	2
38	Contribution of N-Linked Glycans to the Conformation and Function of Intercellular Adhesion Molecules (ICAMs). Journal of Biological Chemistry, 2005, 280, 5854-5861.	3.4	61
39	An atomic resolution view of ICAM recognition in a complex between the binding domains of ICAM-3 and integrin ÂLÂ2. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 3366-3371.	7.1	70
40	Rhinovirus-stabilizing activity of artificial VLDL-receptor variants defines a new mechanism for virus neutralization by soluble receptors. FEBS Letters, 2005, 579, 5507-5511.	2.8	22
41	Receptor Priming of Major Group Human Rhinoviruses for Uncoating and Entry at Mild Low-pH Environments. Journal of Virology, 2003, 77, 11985-11991.	3.4	65
42	Structural Analysis of Human Rhinovirus Complexed with ICAM-1 Reveals the Dynamics of Receptor-Mediated Virus Uncoating. Journal of Virology, 2003, 77, 6101-6107.	3.4	58
43	Distinct Kinetics for Binding of the CD46 and SLAM Receptors to Overlapping Sites in the Measles Virus Hemagglutinin Protein. Journal of Biological Chemistry, 2002, 277, 32294-32301.	3.4	63
44	Distinct cellular receptor interactions in poliovirus and rhinoviruses. EMBO Journal, 2000, 19, 1207-1216.	7.8	118
45	The dynamics of receptor recognition by human rhinoviruses. Trends in Microbiology, 2000, 8, 251-254.	7.7	14
46	Crystal structure of two CD46 domains reveals an extended measles virus-binding surface. EMBO Journal, 1999, 18, 2911-2922.	7.8	143
47	The structure of immunoglobulin superfamily domains 1 and 2 of MAdCAM-1 reveals novel features important for integrin recognition. Structure, 1998, 6, 793-801.	3.3	64
48	A dimeric crystal structure for the N-terminal two domains of intercellular adhesion molecule-1. Proceedings of the National Academy of Sciences of the United States of America, 1998, 95, 4134-4139.	7.1	204
49	Crystal structure of ICAM-2 reveals a distinctive integrin recognition surface. Nature, 1997, 387, 312-315.	27.8	115
50	A highly efficacious lymphocyte chemoattractant, stromal cell-derived factor 1 (SDF-1). Journal of Experimental Medicine, 1996, 184, 1101-1109.	8.5	1,383
51	Kinetics and Thermodynamics of Virus Binding to Receptor.. Journal of Biological Chemistry, 1995, 270, 13216-13224.	3.4	117
52	Kinetics of Receptor and Virus Interaction and Receptor-Induced Virus Disruption: Methods for Study with Surface Plasmon Resonance. Methods, 1994, 6, 157-167.	3.8	7
53	Pathway of rhinovirus disruption by soluble intercellular adhesion molecule 1 (ICAM-1): an intermediate in which ICAM-1 is bound and RNA is released. Journal of Virology, 1994, 68, 5882-5889.	3.4	74
54	The obtention of simian virus 40 recombinants carrying d(CG . GC)n, d(CA . GT)n and d(CT . GA)n sequences. Stability of the inserted simple repeating sequences. FEBS Journal, 1987, 167, 489-492.	0.2	15