

Jorge Carrillo

List of Publications by Year in descending order

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Version: 2024-02-01

77
papers

2,890
citations

172457

29
h-index

197818

49
g-index

82
all docs

82
docs citations

82
times ranked

5578
citing authors

#	ARTICLE	IF	CITATIONS
1	Gut Microbiota Linked to Sexual Preference and HIV Infection. <i>EBioMedicine</i> , 2016, 5, 135-146.	6.1	328
2	Detection of SARS-CoV-2 in a cat owned by a COVID-19 affected patient in Spain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 24790-24793.	7.1	154
3	Gene expression profiles for the human pancreas and purified islets in Type 1 diabetes: new findings at clinical onset and in long-standing diabetes. <i>Clinical and Experimental Immunology</i> , 2009, 159, 23-44.	2.6	105
4	Similarities and differences between the immunopathogenesis of COVID-19 related pediatric multisystem inflammatory syndrome and Kawasaki disease. <i>Journal of Clinical Investigation</i> , 2021, 131, .	8.2	95
5	Screening NK-, B- and T-cell phenotype and function in patients suffering from Chronic Fatigue Syndrome. <i>Journal of Translational Medicine</i> , 2013, 11, 68.	4.4	92
6	Neoantigen prediction and computational perspectives towards clinical benefit: recommendations from the ESMO Precision Medicine Working Group. <i>Annals of Oncology</i> , 2020, 31, 978-990.	1.2	87
7	Humoral immune responses and neutralizing antibodies against SARS-CoV-2; implications in pathogenesis and protective immunity. <i>Biochemical and Biophysical Research Communications</i> , 2021, 538, 187-191.	2.1	86
8	SARS-CoV-2 infection elicits a rapid neutralizing antibody response that correlates with disease severity. <i>Scientific Reports</i> , 2021, 11, 2608.	3.3	86
9	A human immune data-informed vaccine concept elicits strong and broad T-cell specificities associated with HIV-1 control in mice and macaques. <i>Journal of Translational Medicine</i> , 2015, 13, 60.	4.4	84
10	Stable neutralizing antibody levels 6 months after mild and severe COVID-19 episodes. <i>Med</i> , 2021, 2, 313-320.e4.	4.4	77
11	Dendritic cells pulsed with antigen-specific apoptotic bodies prevent experimental type 1 diabetes. <i>Clinical and Experimental Immunology</i> , 2010, 160, 207-214.	2.6	75
12	Assessment of the Feasibility and Safety of Durvalumab for Treatment of Solid Tumors in Patients With HIV-1 Infection. <i>JAMA Oncology</i> , 2020, 6, 1063.	7.1	70
13	The soluble pattern recognition receptor PTX3 links humoral innate and adaptive immune responses by helping marginal zone B cells. <i>Journal of Experimental Medicine</i> , 2016, 213, 2167-2185.	8.5	69
14	Evolution of the gut microbiome following acute HIV-1 infection. <i>Microbiome</i> , 2019, 7, 73.	11.1	69
15	Secreted IgD Amplifies Humoral T Helper 2 Cell Responses by Binding Basophils via Galectin-9 and CD44. <i>Immunity</i> , 2018, 49, 709-724.e8.	14.3	60
16	IFN γ Accelerates Autoimmune Type 1 Diabetes in Nonobese Diabetic Mice and Breaks the Tolerance to β Cells in Nondiabetic-Prone Mice. <i>Journal of Immunology</i> , 2004, 173, 6667-6675.	0.8	56
17	Safety and immunogenicity of a modified vaccinia Ankara-based HIV-1 vaccine (MVA-B) in HIV-1-infected patients alone or in combination with a drug to reactivate latent HIV-1. <i>Journal of Antimicrobial Chemotherapy</i> , 2015, 70, 1833-1842.	3.0	56
18	Low nadir CD4+ T-cell counts predict gut dysbiosis in HIV-1 infection. <i>Mucosal Immunology</i> , 2019, 12, 232-246.	6.0	56

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19	Pigs are not susceptible to SARS-CoV-2 infection but are a model for viral immunogenicity studies. <i>Transboundary and Emerging Diseases</i> , 2021, 68, 1721-1725.	3.0	51
20	Monitoring Natural SARS-CoV-2 Infection in Lions (<i>Panthera leo</i>) at the Barcelona Zoo: Viral Dynamics and Host Responses. <i>Viruses</i> , 2021, 13, 1683.	3.3	51
21	Raltegravir intensification shows differing effects on CD8 and CD4 T cells in HIV-infected HAART-suppressed individuals with poor CD4 T-cell recovery. <i>Aids</i> , 2012, 26, 2285-2293.	2.2	44
22	Development and validation of a quantitation assay for fluorescently tagged HIV-1 virus-like particles. <i>Journal of Virological Methods</i> , 2013, 193, 85-95.	2.1	43
23	Islet-infiltrating B-Cells in Nonobese Diabetic Mice Predominantly Target Nervous System Elements. <i>Diabetes</i> , 2005, 54, 69-77.	0.6	42
24	Protection against reinfection with D614- or G614-SARS-CoV-2 isolates in golden Syrian hamster. <i>Emerging Microbes and Infections</i> , 2021, 10, 797-809.	6.5	42
25	Natural killer cells are required for accelerated type 1 diabetes driven by interferon- γ . <i>Clinical and Experimental Immunology</i> , 2008, 151, 467-475.	2.6	41
26	Gut T cell-independent IgA responses to commensal bacteria require engagement of the TACI receptor on B cells. <i>Science Immunology</i> , 2020, 5, .	11.9	40
27	Identification of Plitidepsin as Potent Inhibitor of SARS-CoV-2-Induced Cytopathic Effect After a Drug Repurposing Screen. <i>Frontiers in Pharmacology</i> , 2021, 12, 646676.	3.5	40
28	Heterogeneous Infectivity and Pathogenesis of SARS-CoV-2 Variants Beta, Delta and Omicron in Transgenic K18-hACE2 and Wildtype Mice. <i>Frontiers in Microbiology</i> , 2022, 13, .	3.5	39
29	Reg (regenerating) gene overexpression in islets from non-obese diabetic mice with accelerated diabetes: role of IFN γ . <i>Diabetologia</i> , 2006, 49, 2379-2387.	6.3	38
30	A cell-to-cell HIV transfer assay identifies humoral responses with broad neutralization activity. <i>Vaccine</i> , 2011, 29, 5250-5259.	3.8	38
31	The infectious synapse formed between mature dendritic cells and CD4+T cells is independent of the presence of the HIV-1 envelope glycoprotein. <i>Retrovirology</i> , 2013, 10, 42.	2.0	38
32	SARS-CoV-2 interaction with Siglec-1 mediates trans-infection by dendritic cells. <i>Cellular and Molecular Immunology</i> , 2021, 18, 2676-2678.	10.5	36
33	Increased ex vivo cell death of central memory CD4 T cells in treated HIV infected individuals with unsatisfactory immune recovery. <i>Journal of Translational Medicine</i> , 2015, 13, 230.	4.4	33
34	Immunologic Insights on the Membrane Proximal External Region: A Major Human Immunodeficiency Virus Type-1 Vaccine Target. <i>Frontiers in Immunology</i> , 2017, 8, 1154.	4.8	30
35	Production of HIV-1-based virus-like particles for vaccination: achievements and limits. <i>Applied Microbiology and Biotechnology</i> , 2019, 103, 7367-7384.	3.6	30
36	Unexpected synergistic HIV neutralization by a triple microbicide produced in rice endosperm. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E7854-E7862.	7.1	28

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37	IP-10 Levels as an Accurate Screening Tool to Detect Acute HIV Infection in Resource-Limited Settings. <i>Scientific Reports</i> , 2017, 7, 8104.	3.3	26
38	Methylation regulation of Antiviral host factors, Interferon Stimulated Genes (ISGs) and T-cell responses associated with natural HIV control. <i>PLoS Pathogens</i> , 2020, 16, e1008678.	4.7	25
39	Peripherin Is a Relevant Neuroendocrine Autoantigen Recognized by Islet-Infiltrating B Lymphocytes. <i>Journal of Immunology</i> , 2007, 178, 6533-6539.	0.8	24
40	Dynamics of CD4 and CD8 T-Cell Subsets and Inflammatory Biomarkers during Early and Chronic HIV Infection in Mozambican Adults. <i>Frontiers in Immunology</i> , 2017, 8, 1925.	4.8	23
41	Interferon- β -Inducible Protein 10 (IP-10) as a Screening Tool to Optimize Human Immunodeficiency Virus RNA Monitoring in Resource-Limited Settings. <i>Clinical Infectious Diseases</i> , 2017, 65, 1670-1675.	5.8	22
42	Phenotype and Functional Characteristics of Islet-Infiltrating B-Cells Suggest the Existence of Immune Regulatory Mechanisms in Islet Milieu. <i>Diabetes</i> , 2007, 56, 940-949.	0.6	20
43	New emerging targets in cancer immunotherapy: the role of neoantigens. <i>ESMO Open</i> , 2019, 4, e000684.	4.5	20
44	First Detection of SARS-CoV-2 Delta (B.1.617.2) Variant of Concern in a Dog with Clinical Signs in Spain. <i>Viruses</i> , 2021, 13, 2526.	3.3	20
45	Anti-MPER antibodies with heterogeneous neutralization capacity are detectable in most untreated HIV-1 infected individuals. <i>Retrovirology</i> , 2014, 11, 44.	2.0	19
46	A Cytokine Pattern That Differentiates Preseroconversion From Postseroconversion Phases of Primary HIV Infection. <i>Journal of Acquired Immune Deficiency Syndromes (1999)</i> , 2017, 74, 459-466.	2.1	19
47	Clinical course impacts early kinetics, magnitude, and amplitude of SARS-CoV-2 neutralizing antibodies beyond 1 year after infection. <i>Cell Reports Medicine</i> , 2022, 3, 100523.	6.5	18
48	In Vivo Detection of Peripherin-Specific Autoreactive B Cells during Type 1 Diabetes Pathogenesis. <i>Journal of Immunology</i> , 2014, 192, 3080-3090.	0.8	17
49	Elevated humoral response to cytomegalovirus in HIV-infected individuals with poor CD4+ T-cell immune recovery. <i>PLoS ONE</i> , 2017, 12, e0184433.	2.5	17
50	Anti-peripherin B lymphocytes are positively selected during diabetogenesis. <i>Molecular Immunology</i> , 2008, 45, 3152-3162.	2.2	15
51	HIV exposed seronegative individuals show antibodies specifically recognizing native HIV envelope glycoprotein. <i>Aids</i> , 2013, 27, 1375-1385.	2.2	15
52	Antibodies and Antibody Derivatives: New Partners in HIV Eradication Strategies. <i>Frontiers in Immunology</i> , 2018, 9, 2429.	4.8	15
53	Viremic HIV Infected Individuals with High CD4 T Cells and Functional Envelope Proteins Show Anti-gp41 Antibodies with Unique Specificity and Function. <i>PLoS ONE</i> , 2012, 7, e30330.	2.5	13
54	Assessing main death pathways in T lymphocytes from HIV infected individuals. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2013, 83A, 648-658.	1.5	13

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55	Virological and immunological outcome of treatment interruption in HIV-1-infected subjects vaccinated with MVA-B. PLoS ONE, 2017, 12, e0184929.	2.5	13
56	Proteoliposomal formulations of an HIV-1 gp41-based miniprotein elicit a lipid-dependent immunodominant response overlapping the 2F5 binding motif. Scientific Reports, 2017, 7, 40800.	3.3	12
57	Atorvastatin does not decrease or delay diabetes onset in two different mouse models of type 1 diabetes. Diabetologia, 2005, 48, 1671-1673.	6.3	11
58	Memory B cell dysregulation in HIV-1-infected individuals. Aids, 2018, 32, 149-160.	2.2	11
59	Different pattern of stool and plasma gastrointestinal damage biomarkers during primary and chronic HIV infection. PLoS ONE, 2019, 14, e0218000.	2.5	11
60	Antiretroviral therapy suppressed participants with low CD4+ T-cell counts segregate according to opposite immunological phenotypes. Aids, 2016, 30, 2275-2287.	2.2	10
61	B cell anergy induces a Th17 shift in a novel B lymphocyte transgenic NOD mouse model, the 116C α NOD mouse. European Journal of Immunology, 2016, 46, 593-608.	2.9	8
62	High-dose intravenous immunoglobulins might modulate inflammation in COVID-19 patients. Life Science Alliance, 2021, 4, e202001009.	2.8	8
63	Post traumatic splenic function depending on severity of injury and management. Translational Research, 2011, 158, 118-128.	5.0	7
64	Virological and Clinical Determinants of the Magnitude of Humoral Responses to SARS-CoV-2 in Mild-Symptomatic Individuals. Frontiers in Immunology, 2022, 13, 860215.	4.8	6
65	Gp120/CD4 Blocking Antibodies Are Frequently Elicited in ART-Na \bar{A} ve Chronically HIV-1 Infected Individuals. PLoS ONE, 2015, 10, e0120648.	2.5	5
66	Outcome of hospitalized patients with COVID-19 pneumonia treated with high-dose immunoglobulin therapy in a prospective case series. Clinical Microbiology and Infection, 2021, 27, 651-652.	6.0	5
67	Immune Correlates of HIV Control. Current Medicinal Chemistry, 2011, 18, 3963-3970.	2.4	4
68	B-Lymphocyte Phenotype Determines T-Lymphocyte Subset Differentiation in Autoimmune Diabetes. Frontiers in Immunology, 2019, 10, 1732.	4.8	4
69	Impact of Long-Term Cryopreservation on Blood Immune Cell Markers in Myalgic Encephalomyelitis/Chronic Fatigue Syndrome: Implications for Biomarker Discovery. Frontiers in Immunology, 2020, 11, 582330.	4.8	4
70	Expansion of antibody secreting cells and modulation of neutralizing antibody activity in HIV infected individuals undergoing structured treatment interruptions. Journal of Translational Medicine, 2013, 11, 48.	4.4	3
71	Susceptibility of Human Lymphoid Tissue Cultured ex vivo to Xenotropic Murine Leukemia Virus-Related Virus (XMRV) Infection. PLoS ONE, 2012, 7, e37415.	2.5	2
72	Modulation of antibody secreting cells and neutralizing Ab activity in HIV infected individuals undergoing structured treatment interruptions. Retrovirology, 2012, 9, .	2.0	1

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73	Restricted infection of xenotropic murine leukemia virus-related virus in human lymphoid tissue. <i>Retrovirology</i> , 2011, 8, .	2.0	0
74	Low levels of anti-MPER antibodies are detectable in viremic HIV infected. <i>Retrovirology</i> , 2012, 9, .	2.0	0
75	Predicting Antibody Neutralization Efficacy in Hypermutated Epitopes Using Monte Carlo Simulations. <i>Polymers</i> , 2020, 12, 2392.	4.5	0
76	A Longitudinal Analysis Reveals Early Activation and Late Alterations in B Cells During Primary HIV Infection in Mozambican Adults. <i>Frontiers in Immunology</i> , 2020, 11, 614319.	4.8	0
77	SARS-CoV-2 Cellular Infection and Therapeutic Opportunities: Lessons Learned from Ebola Virus. <i>Membranes</i> , 2021, 11, 64.	3.0	0