

Nuria Izquierdo-Useros

List of Publications by Year
in descending order

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Version: 2024-02-01

63
papers

3,023
citations

172207
29
h-index

182168
51
g-index

79
all docs

79
docs citations

79
times ranked

4556
citing authors

#	ARTICLE	IF	CITATIONS
1	Lectins enhance SARS-CoV-2 infection and influence neutralizing antibodies. <i>Nature</i> , 2021, 598, 342-347.	13.7	230
2	Capture and transfer of HIV-1 particles by mature dendritic cells converges with the exosome-dissemination pathway. <i>Blood</i> , 2009, 113, 2732-2741.	0.6	208
3	Siglec-1 Is a Novel Dendritic Cell Receptor That Mediates HIV-1 Trans-Infection Through Recognition of Viral Membrane Gangliosides. <i>PLoS Biology</i> , 2012, 10, e1001448.	2.6	208
4	HIV and Mature Dendritic Cells: Trojan Exosomes Riding the Trojan Horse?. <i>PLoS Pathogens</i> , 2010, 6, e1000740.	2.1	184
5	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.	3.3	154
6	HIV-1 Capture and Transmission by Dendritic Cells: The Role of Viral Glycolipids and the Cellular Receptor Siglec-1. <i>PLoS Pathogens</i> , 2014, 10, e1004146.	2.1	108
7	Maturation of Blood-Derived Dendritic Cells Enhances Human Immunodeficiency Virus Type 1 Capture and Transmission. <i>Journal of Virology</i> , 2007, 81, 7559-7570.	1.5	99
8	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.	1.0	86
9	SARS-CoV-2 infection elicits a rapid neutralizing antibody response that correlates with disease severity. <i>Scientific Reports</i> , 2021, 11, 2608.	1.6	86
10	HIV-1 immune activation induces Siglec-1 expression and enhances viral trans-infection in blood and tissue myeloid cells. <i>Retrovirology</i> , 2015, 12, 37.	0.9	85
11	Sialyllactose in Viral Membrane Gangliosides Is a Novel Molecular Recognition Pattern for Mature Dendritic Cell Capture of HIV-1. <i>PLoS Biology</i> , 2012, 10, e1001315.	2.6	78
12	Stable neutralizing antibody levels 6 months after mild and severe COVID-19 episodes. <i>Med</i> , 2021, 2, 313-320.e4.	2.2	77
13	Dihydrosphingomyelin Impairs HIV-1 Infection by Rigidifying Liquid-Ordered Membrane Domains. <i>Chemistry and Biology</i> , 2010, 17, 766-775.	6.2	76
14	Same-day SARS-CoV-2 antigen test screening in an indoor mass-gathering live music event: a randomised controlled trial. <i>Lancet Infectious Diseases</i> , The, 2021, 21, 1365-1372.	4.6	73
15	Exosomes and retroviruses: the chicken or the egg?. <i>Cellular Microbiology</i> , 2011, 13, 10-17.	1.1	71
16	Expression and Functionality of Anti-Human Immunodeficiency Virus and Anticancer Drug Uptake Transporters in Immune Cells. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2008, 324, 558-567.	1.3	66
17	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.	1.3	51
18	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.	1.5	51

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19	Mouthwashes with CPC Reduce the Infectivity of SARS-CoV-2 Variants In Vitro. Journal of Dental Research, 2021, 100, 1265-1272.	2.5	49
20	HIV transfer between CD4 T cells does not require LFA-1 binding to ICAM-1 and is governed by the interaction of HIV envelope glycoprotein with CD4. Retrovirology, 2008, 5, 32.	0.9	46
21	Contribution of Immunological and Virological Factors to Extremely Severe Primary HIV Type 1 Infection. Clinical Infectious Diseases, 2009, 48, 229-238.	2.9	44
22	Anti-Siglec-1 antibodies block Ebola viral uptake and decrease cytoplasmic viral entry. Nature Microbiology, 2019, 4, 1558-1570.	5.9	44
23	Capture of cell-derived microvesicles (exosomes and apoptotic bodies) by human plasmacytoid dendritic cells. Journal of Leukocyte Biology, 2012, 91, 751-758.	1.5	42
24	Protection against reinfection with D614- or G614-SARS-CoV-2 isolates in golden Syrian hamster. Emerging Microbes and Infections, 2021, 10, 797-809.	3.0	42
25	Identification of Plitidepsin as Potent Inhibitor of SARS-CoV-2-Induced Cytopathic Effect After a Drug Repurposing Screen. Frontiers in Pharmacology, 2021, 12, 646676.	1.6	40
26	Heterogeneous Infectivity and Pathogenesis of SARS-CoV-2 Variants Beta, Delta and Omicron in Transgenic K18-hACE2 and Wildtype Mice. Frontiers in Microbiology, 2022, 13, .	1.5	39
27	The infectious synapse formed between mature dendritic cells and CD4+T cells is independent of the presence of the HIV-1 envelope glycoprotein. Retrovirology, 2013, 10, 42.	0.9	38
28	Mouse Siglec-1 Mediates trans-Infection of Surface-bound Murine Leukemia Virus in a Sialic Acid N-Acyl Side Chain-dependent Manner. Journal of Biological Chemistry, 2015, 290, 27345-27359.	1.6	38
29	Identification of Siglec-1 null individuals infected with HIV-1. Nature Communications, 2016, 7, 12412.	5.8	38
30	Chronological brain lesions after SARS-CoV-2 infection in hACE2-transgenic mice. Veterinary Pathology, 2022, 59, 613-626.	0.8	37
31	SARS-CoV-2 interaction with Siglec-1 mediates trans-infection by dendritic cells. Cellular and Molecular Immunology, 2021, 18, 2676-2678.	4.8	36
32	Dynamic Imaging of Cell-Cell Free and Cell-Cell Associated Viral Capture in Mature Dendritic Cells. Traffic, 2011, 12, 1702-1713.	1.3	32
33	Proteomics study of human cord blood reticulocyte-derived exosomes. Scientific Reports, 2018, 8, 14046.	1.6	32
34	The PDZ-adaptor protein syntenin-1 regulates HIV-1 entry. Molecular Biology of the Cell, 2012, 23, 2253-2263.	0.9	31
35	Tuberculosis-associated IFN-I induces Siglec-1 on tunneling nanotubes and favors HIV-1 spread in macrophages. ELife, 2020, 9, .	2.8	31
36	Dendritic Cells From the Cervical Mucosa Capture and Transfer HIV-1 via Siglec-1. Frontiers in Immunology, 2019, 10, 825.	2.2	30

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37	Actin-binding Protein Drebrin Regulates HIV-1-triggered Actin Polymerization and Viral Infection. Journal of Biological Chemistry, 2013, 288, 28382-28397.	1.6	28
38	Viral Evolution during Structured Treatment Interruptions in Chronically Human Immunodeficiency Virus-Infected Individuals. Journal of Virology, 2002, 76, 12344-12348.	1.5	26
39	Preclinical and randomized phase I studies of plitidepsin in adults hospitalized with COVID-19. Life Science Alliance, 2022, 5, e202101200.	1.3	26
40	When Dendritic Cells Go Viral: The Role of Siglec-1 in Host Defense and Dissemination of Enveloped Viruses. Viruses, 2020, 12, 8.	1.5	25
41	HIV-1 Capture and Antigen Presentation by Dendritic Cells: Enhanced Viral Capture Does Not Correlate with Better T Cell Activation. Journal of Immunology, 2012, 188, 6036-6045.	0.4	21
42	First Detection of SARS-CoV-2 Delta (B.1.617.2) Variant of Concern in a Dog with Clinical Signs in Spain. Viruses, 2021, 13, 2526.	1.5	20
43	Clinical course impacts early kinetics, magnitude, and amplitude of SARS-CoV-2 neutralizing antibodies beyond 1 year after infection. Cell Reports Medicine, 2022, 3, 100523.	3.3	18
44	Previous SARS-CoV-2 Infection Increases B.1.1.7 Cross-Neutralization by Vaccinated Individuals. Viruses, 2021, 13, 1135.	1.5	17
45	AM3 Modulates Dendritic Cell Pathogen Recognition Capabilities by Targeting DC-SIGN. Antimicrobial Agents and Chemotherapy, 2007, 51, 2313-2323.	1.4	15
46	Performance of SARS-CoV-2 Antigen-Detecting Rapid Diagnostic Tests for Omicron and Other Variants of Concern. Frontiers in Microbiology, 2022, 13, .	1.5	15
47	Retroviruses As Myeloid Cell Riders: What Natural Human Siglec-1 "Knockouts" Tell Us About Pathogenesis. Frontiers in Immunology, 2017, 8, 1593.	2.2	14
48	Unraveling the antiviral activity of plitidepsin against SARS-CoV-2 by subcellular and morphological analysis. Antiviral Research, 2022, 200, 105270.	1.9	14
49	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.	1.6	12
50	Nonhuman TRIM5 Variants Enhance Recognition of HIV-1-Infected Cells by CD8 + T Cells. Journal of Virology, 2016, 90, 8552-8562.	1.5	11
51	Dissemination of <i>Mycobacterium tuberculosis</i> is associated to a <i>SIGLEC1</i> null variant that limits antigen exchange via trafficking extracellular vesicles. Journal of Extracellular Vesicles, 2021, 10, e12046.	5.5	9
52	High-dose intravenous immunoglobulins might modulate inflammation in COVID-19 patients. Life Science Alliance, 2021, 4, e202001009.	1.3	8
53	A non-infectious cell-based phenotypic assay for the assessment of HIV-1 susceptibility to protease inhibitors. Journal of Antimicrobial Chemotherapy, 2012, 67, 32-38.	1.3	7
54	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.	2.8	5

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55	HIV-1 trans-Infection Mediated by DCs: The Tip of the Iceberg of Cell-to-Cell Viral Transmission. Pathogens, 2022, 11, 39.	1.2	4
56	Evidence for Preferential Genotyping of a Minority Human Immunodeficiency Virus Population Due to Primer-Template Mismatching during PCR-Based Amplification. Journal of Clinical Microbiology, 2005, 43, 436-438.	1.8	3
57	HIV-1 capture and antigen presentation by dendritic cells: enhanced viral capture does not correlate with better T-Cell activation. Retrovirology, 2012, 9, .	0.9	1
58	An anti-SARS-CoV-2 metabolite is reduced in diabetes. Nature Metabolism, 2022, 4, 501-502.	5.1	1
59	TRIM5 α Improves CD8 $^{+}$ T-cell Antiviral Activity and Synergize Intrinsic Restriction and Adaptive Immunity in HIV-1 Infected Cells. AIDS Research and Human Retroviruses, 2014, 30, A177-A178.	0.5	0
60	The Mathilde Krim Effect as a Way to Overcome the Matilda Effect. AIDS Research and Human Retroviruses, 2018, 34, 725-726.	0.5	0
61	Novel Methodology for the Detection of Enveloped Viruses. Proceedings (mdpi), 2020, 50, .	0.2	0
62	Siglec-1 Expressed on Dendritic Cells is a New Receptor Implicated in Arenavirus Uptake. Proceedings (mdpi), 2020, 50, 90.	0.2	0
63	SARS-CoV-2 Cellular Infection and Therapeutic Opportunities: Lessons Learned from Ebola Virus. Membranes, 2021, 11, 64.	1.4	0