

# Antonio Alcami

## List of Publications by Citations

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130  
papers

7,087  
citations

42  
h-index

82  
g-index

142  
ext. papers

7,970  
ext. citations

8.4  
avg, IF

5.94  
L-index

#	Paper	IF	Citations
130	Viral mimicry of cytokines, chemokines and their receptors. <i>Nature Reviews Immunology</i> , <b>2003</b> , 3, 36-50	36.5	455
129	Vaccinia virus encodes a soluble type I interferon receptor of novel structure and broad species specificity. <i>Cell</i> , <b>1995</b> , 81, 551-60	56.2	417
128	A soluble receptor for interleukin-1 beta encoded by vaccinia virus: a novel mechanism of virus modulation of the host response to infection. <i>Cell</i> , <b>1992</b> , 71, 153-67	56.2	414
127	Viral mechanisms of immune evasion. <i>Trends in Immunology</i> , <b>2000</b> , 21, 447-55		375
126	High diversity of the viral community from an Antarctic lake. <i>Science</i> , <b>2009</b> , 326, 858-61	33.3	313
125	Viral mechanisms of immune evasion. <i>Trends in Microbiology</i> , <b>2000</b> , 8, 410-8	12.4	279
124	The chemokine receptor D6 limits the inflammatory response in vivo. <i>Nature Immunology</i> , <b>2005</b> , 6, 403-11	9.1	258
123	The vaccinia virus soluble alpha/beta interferon (IFN) receptor binds to the cell surface and protects cells from the antiviral effects of IFN. <i>Journal of Virology</i> , <b>2000</b> , 74, 11230-9	6.6	212
122	A broad spectrum secreted chemokine binding protein encoded by a herpesvirus. <i>Journal of Experimental Medicine</i> , <b>2000</b> , 191, 573-8	16.6	203
121	Vaccinia virus immune evasion. <i>Immunological Reviews</i> , <b>1997</b> , 159, 137-54	11.3	196
120	Impaired antiviral response and alpha/beta interferon induction in mice lacking beta interferon. <i>Journal of Virology</i> , <b>2000</b> , 74, 3404-9	6.6	149
119	Ectromelia, vaccinia and cowpox viruses encode secreted interleukin-18-binding proteins. <i>Microbiology (United Kingdom)</i> , <b>2000</b> , 81, 1223-30	2.9	143
118	IL-10 from regulatory T cells determines vaccine efficacy in murine <i>Leishmania major</i> infection. <i>Journal of Immunology</i> , <b>2005</b> , 175, 2517-24	5.3	134
117	<i>Schistosoma mansoni</i> secretes a chemokine binding protein with antiinflammatory activity. <i>Journal of Experimental Medicine</i> , <b>2005</b> , 202, 1319-25	16.6	130
116	SARS-CoV2-mediated suppression of NRF2-signaling reveals potent antiviral and anti-inflammatory activity of 4-octyl-itaconate and dimethyl fumarate. <i>Nature Communications</i> , <b>2020</b> , 11, 4938	17.4	122
115	A chemokine-binding domain in the tumor necrosis factor receptor from variola (smallpox) virus. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2006</b> , 103, 5995-6000	11.5	114
114	RANTES binding and down-regulation by a novel human herpesvirus-6 beta chemokine receptor. <i>Journal of Immunology</i> , <b>2000</b> , 164, 2396-404	5.3	114

113	T cells with dysfunctional mitochondria induce multimorbidity and premature senescence. <i>Science</i> , <b>2020</b> , 368, 1371-1376	33.3	113
112	A mechanism for the inhibition of fever by a virus. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>1996</b> , 93, 11029-34	11.5	111
111	Cytokine receptors encoded by poxviruses: a lesson in cytokine biology. <i>Trends in Immunology</i> , <b>1995</b> , 16, 474-8		109
110	Glycoprotein G isoforms from some alphaherpesviruses function as broad-spectrum chemokine binding proteins. <i>EMBO Journal</i> , <b>2003</b> , 22, 833-46	13	96
109	CrnE, a novel soluble tumor necrosis factor receptor encoded by poxviruses. <i>Journal of Virology</i> , <b>2001</b> , 75, 226-33	6.6	94
108	The UL144 gene product of human cytomegalovirus activates NFkappaB via a TRAF6-dependent mechanism. <i>EMBO Journal</i> , <b>2006</b> , 25, 4390-9	13	88
107	Inhibition of type 1 cytokine-mediated inflammation by a soluble CD30 homologue encoded by ectromelia (mousepox) virus. <i>Journal of Experimental Medicine</i> , <b>2002</b> , 196, 829-39	16.6	79
106	Complete Genome Sequence of the European Sheatfish Virus. <i>Journal of Virology</i> , <b>2012</b> , 86, 11414-11416	6.6	78
105	Biodiversity and distribution of polar freshwater DNA viruses. <i>Science Advances</i> , <b>2015</b> , 1, e1400127	14.3	69
104	Crosstalk between the type 1 interferon and nuclear factor kappa B pathways confers resistance to a lethal virus infection. <i>Cell Host and Microbe</i> , <b>2013</b> , 13, 701-10	23.4	62
103	Expression of secreted cytokine and chemokine inhibitors by ectromelia virus. <i>Journal of Virology</i> , <b>2000</b> , 74, 8460-71	6.6	62
102	Pathogen-derived immunomodulatory molecules: future immunotherapeutics?. <i>Trends in Immunology</i> , <b>2006</b> , 27, 470-6	14.4	61
101	Vaccinia virus-mediated inhibition of type I interferon responses is a multifactorial process involving the soluble type I interferon receptor B18 and intracellular components. <i>Journal of Virology</i> , <b>2009</b> , 83, 1563-71	6.6	60
100	The entry of African swine fever virus into Vero cells. <i>Virology</i> , <b>1989</b> , 171, 68-75	3.6	59
99	Identification of TRIM23 as a cofactor involved in the regulation of NF-kappaB by human cytomegalovirus. <i>Journal of Virology</i> , <b>2009</b> , 83, 3581-90	6.6	57
98	Poxviruses: Interfering with Interferon. <i>Seminars in Virology</i> , <b>1998</b> , 8, 409-418		57
97	Inhibition of interferons by ectromelia virus. <i>Journal of Virology</i> , <b>2002</b> , 76, 1124-34	6.6	56
96	Disruption of CCL21-induced chemotaxis in vitro and in vivo by M3, a chemokine-binding protein encoded by murine gammaherpesvirus 68. <i>Journal of Virology</i> , <b>2003</b> , 77, 624-30	6.6	55

95	Genome-wide analysis of wild-type Epstein-Barr virus genomes derived from healthy individuals of the 1,000 Genomes Project. <i>Genome Biology and Evolution</i> , <b>2014</b> , 6, 846-60	3.9	54
94	A pro-inflammatory signature mediates FGF2-induced angiogenesis. <i>Journal of Cellular and Molecular Medicine</i> , <b>2009</b> , 13, 2083-2108	5.6	53
93	Interaction of African swine fever virus with macrophages. <i>Virus Research</i> , <b>1990</b> , 17, 93-104	6.4	52
92	An ectromelia virus protein that interacts with chemokines through their glycosaminoglycan binding domain. <i>Journal of Virology</i> , <b>2008</b> , 82, 917-26	6.6	45
91	Evaluation of immunological responses to a glycoprotein G deficient candidate vaccine strain of infectious laryngotracheitis virus. <i>Vaccine</i> , <b>2010</b> , 28, 1325-32	4.1	44
90	The genome sequence of the emerging common midwife toad virus identifies an evolutionary intermediate within ranaviruses. <i>Journal of Virology</i> , <b>2012</b> , 86, 3617-25	6.6	44
89	Modulation of chemokine activity by viruses. <i>Current Opinion in Immunology</i> , <b>2010</b> , 22, 482-7	7.8	44
88	Saturable binding sites mediate the entry of African swine fever virus into Vero cells. <i>Virology</i> , <b>1989</b> , 168, 393-8	3.6	42
87	Inhibition of intimal hyperplasia in transgenic mice conditionally expressing the chemokine-binding protein M3. <i>American Journal of Pathology</i> , <b>2004</b> , 164, 2289-97	5.8	40
86	The vaccinia virus soluble interferon-gamma receptor is a homodimer. <i>Journal of General Virology</i> , <b>2002</b> , 83, 545-549	4.9	40
85	Enhancement of chemokine function as an immunomodulatory strategy employed by human herpesviruses. <i>PLoS Pathogens</i> , <b>2012</b> , 8, e1002497	7.6	39
84	Poxviruses: Capturing Cytokines and Chemokines. <i>Seminars in Virology</i> , <b>1998</b> , 8, 419-427		39
83	Viral mechanisms of immune evasion. <i>Trends in Molecular Medicine</i> , <b>2000</b> , 6, 365-72		37
82	Glycosaminoglycans mediate retention of the poxvirus type I interferon binding protein at the cell surface to locally block interferon antiviral responses. <i>FASEB Journal</i> , <b>2011</b> , 25, 1960-71	0.9	36
81	NF-kappaB-mediated activation of the chemokine CCL22 by the product of the human cytomegalovirus gene UL144 escapes regulation by viral IE86. <i>Journal of Virology</i> , <b>2008</b> , 82, 4250-6	6.6	36
80	Analysis of an interaction between the soluble vaccinia virus-coded type I interferon (IFN)-receptor and human IFN-alpha1 and IFN-alpha2. <i>Virology</i> , <b>1997</b> , 232, 86-90	3.6	35
79	The gammaherpesvirus chemokine binding protein can inhibit the interaction of chemokines with glycosaminoglycans. <i>FASEB Journal</i> , <b>2004</b> , 18, 571-3	0.9	35
78	Receptors for gamma-interferon encoded by poxviruses: implications for the unknown origin of vaccinia virus. <i>Trends in Microbiology</i> , <b>1996</b> , 4, 321-6	12.4	34

77	Soluble interferon-gamma receptors encoded by poxviruses. <i>Comparative Immunology, Microbiology and Infectious Diseases</i> , <b>1996</b> , 19, 305-17	2.6	33
76	A prime/boost DNA/Modified vaccinia virus Ankara vaccine expressing recombinant Leishmania DNA encoding TRYP is safe and immunogenic in outbred dogs, the reservoir of zoonotic visceral leishmaniasis. <i>Vaccine</i> , <b>2009</b> , 27, 1080-6	4.1	30
75	Immune modulation by virus-encoded secreted chemokine binding proteins. <i>Virus Research</i> , <b>2015</b> , 209, 67-75	6.4	29
74	Arrestin-1 mediates the TCR-triggered re-routing of distal receptors to the immunological synapse by a PKC-mediated mechanism. <i>EMBO Journal</i> , <b>2014</b> , 33, 559-77	13	29
73	Complete genome sequence of the European sheatfish virus. <i>Journal of Virology</i> , <b>2012</b> , 86, 6365-6	6.6	27
72	Antibody inhibition of a viral type 1 interferon decoy receptor cures a viral disease by restoring interferon signaling in the liver. <i>PLoS Pathogens</i> , <b>2012</b> , 8, e1002475	7.6	26
71	Expression of the chemokine binding protein M3 promotes marked changes in the accumulation of specific leukocytes subsets within the intestine. <i>Gastroenterology</i> , <b>2009</b> , 137, 1006-18, 1018.e1-3	13.3	26
70	Both soluble and membrane-anchored forms of Felid herpesvirus 1 glycoprotein G function as a broad-spectrum chemokine-binding protein. <i>Journal of General Virology</i> , <b>2005</b> , 86, 3209-3214	4.9	26
69	Viruses in Polar Lake and Soil Ecosystems. <i>Advances in Virus Research</i> , <b>2018</b> , 101, 39-54	10.7	25
68	Herpes simplex virus enhances chemokine function through modulation of receptor trafficking and oligomerization. <i>Nature Communications</i> , <b>2015</b> , 6, 6163	17.4	25
67	Evaluation of viral genome assembly and diversity estimation in deep metagenomes. <i>BMC Genomics</i> , <b>2014</b> , 15, 989	4.5	25
66	The gammaherpesvirus chemokine binding protein binds to the N terminus of CXCL8. <i>Journal of Virology</i> , <b>2003</b> , 77, 8588-92	6.6	25
65	Glycoprotein G from pseudorabies virus binds to chemokines with high affinity and inhibits their function. <i>Journal of General Virology</i> , <b>2010</b> , 91, 23-31	4.9	25
64	The highly virulent variola and monkeypox viruses express secreted inhibitors of type I interferon. <i>FASEB Journal</i> , <b>2010</b> , 24, 1479-88	0.9	24
63	Heterologous priming-boosting with DNA and modified vaccinia virus Ankara expressing trypanothione peroxidase promotes long-term memory against <i>Leishmania major</i> in susceptible BALB/c Mice. <i>Infection and Immunity</i> , <b>2007</b> , 75, 852-60	3.7	24
62	Comparative Biochemical and Functional Analysis of Viral and Human Secreted Tumor Necrosis Factor (TNF) Decoy Receptors. <i>Journal of Biological Chemistry</i> , <b>2015</b> , 290, 15973-84	5.4	23
61	Validation of the Hirst-Type Spore Trap for Simultaneous Monitoring of Prokaryotic and Eukaryotic Biodiversities in Urban Air Samples by Next-Generation Sequencing. <i>Applied and Environmental Microbiology</i> , <b>2017</b> , 83,	4.8	22
60	The genome sequence of ectromelia virus Naval and Cornell isolates from outbreaks in North America. <i>Virology</i> , <b>2014</b> , 462-463, 218-26	3.6	20

59	Chemokines cooperate with TNF to provide protective anti-viral immunity and to enhance inflammation. <i>Nature Communications</i> , <b>2018</b> , 9, 1790	17.4	19
58	Chemokine binding proteins encoded by pathogens. <i>Advances in Experimental Medicine and Biology</i> , <b>2009</b> , 666, 167-79	3.6	19
57	Structural basis of the herpesvirus M3-chemokine interaction. <i>Trends in Microbiology</i> , <b>2003</b> , 11, 191-2	12.4	19
56	New insights into the subversion of the chemokine system by poxviruses. <i>European Journal of Immunology</i> , <b>2007</b> , 37, 880-3	6.1	18
55	Virally encoded chemokine binding proteins. <i>Mini-Reviews in Medicinal Chemistry</i> , <b>2005</b> , 5, 833-48	3.2	18
54	Secreted herpes simplex virus-2 glycoprotein G modifies NGF-TrkA signaling to attract free nerve endings to the site of infection. <i>PLoS Pathogens</i> , <b>2015</b> , 11, e1004571	7.6	17
53	Metagenomic analysis of lacustrine viral diversity along a latitudinal transect of the Antarctic Peninsula. <i>FEMS Microbiology Ecology</i> , <b>2016</b> , 92, fiw074	4.3	17
52	Composition of the <i>Schistosoma mansoni</i> worm secretome: Identification of immune modulatory Cyclophilin A. <i>PLoS Neglected Tropical Diseases</i> , <b>2017</b> , 11, e0006012	4.8	16
51	A method for the generation of ectromelia virus (ECTV) recombinants: in vivo analysis of ECTV vCD30 deletion mutants. <i>PLoS ONE</i> , <b>2009</b> , 4, e5175	3.7	16
50	A virus-encoded type I interferon decoy receptor enables evasion of host immunity through cell-surface binding. <i>Nature Communications</i> , <b>2018</b> , 9, 5440	17.4	15
49	Poxviral TNFRs: properties and role in viral pathogenesis. <i>Advances in Experimental Medicine and Biology</i> , <b>2011</b> , 691, 203-10	3.6	15
48	African swine fever virus fatty acid acylated proteins. <i>Virology</i> , <b>1991</b> , 185, 942-5	3.6	14
47	Herpes simplex virus particles interact with chemokines and enhance cell migration. <i>Journal of General Virology</i> , <b>2016</b> , 97, 3007-3016	4.9	13
46	Establishment of a Zebrafish Infection Model for the Study of Wild-Type and Recombinant European Sheatfish Virus. <i>Journal of Virology</i> , <b>2015</b> , 89, 10702-6	6.6	11
45	Aquatic viral metagenomics: Lights and shadows. <i>Virus Research</i> , <b>2017</b> , 239, 87-96	6.4	11
44	Ecosystem function decays by fungal outbreaks in Antarctic microbial mats. <i>Scientific Reports</i> , <b>2016</b> , 6, 22954	4.9	11
43	An orphan viral TNF receptor superfamily member identified in lymphocystis disease virus. <i>Virology Journal</i> , <b>2013</b> , 10, 188	6.1	10
42	Interferon-alpha/beta genes are up-regulated in murine brain astrocytes after infection with Theiler's murine encephalomyelitis virus. <i>Journal of Interferon and Cytokine Research</i> , <b>2010</b> , 30, 253-62	3.5	10

41	Attenuation of TNF-driven murine ileitis by intestinal expression of the viral immunomodulator CrmD. <i>Mucosal Immunology</i> , <b>2010</b> , 3, 633-44	9.2	10
40	Fc receptors do not mediate African swine fever virus replication in macrophages. <i>Virology</i> , <b>1991</b> , 181, 756-9	3.6	10
39	Viral cGAMP nuclease reveals the essential role of DNA sensing in protection against acute lethal virus infection. <i>Science Advances</i> , <b>2020</b> , 6,	14.3	10
38	Genetic variability of immunomodulatory genes in ectromelia virus isolates detected by denaturing high-performance liquid chromatography. <i>Journal of Virology</i> , <b>2003</b> , 77, 10139-46	6.6	9
37	Soluble chemokine binding proteins are also encoded by herpesviruses. <i>Trends in Immunology</i> , <b>2000</b> , 21, 526-7		9
36	Subversion of natural killer cell responses by a cytomegalovirus-encoded soluble CD48 decoy receptor. <i>PLoS Pathogens</i> , <b>2019</b> , 15, e1007658	7.6	8
35	Insights into ligand binding by a viral tumor necrosis factor (TNF) decoy receptor yield a selective soluble human type 2 TNF receptor. <i>Journal of Biological Chemistry</i> , <b>2019</b> , 294, 5214-5227	5.4	8
34	Mapping and sequence of the gene encoding the African swine fever virion protein of M(r) 11500. <i>Journal of General Virology</i> , <b>1993</b> , 74 ( Pt 11), 2317-24	4.9	8
33	Deriving Immune Modulating Drugs from Viruses-A New Class of Biologics. <i>Journal of Clinical Medicine</i> , <b>2020</b> , 9,	5.1	8
32	Genome Sequence of Herpes Simplex Virus 1 Strain SC16. <i>Genome Announcements</i> , <b>2017</b> , 5,		7
31	The interaction of viruses with host immune defenses. <i>Current Opinion in Microbiology</i> , <b>2010</b> , 13, 501-2	7.9	7
30	Secreted herpes simplex virus-2 glycoprotein G alters thermal pain sensitivity by modifying NGF effects on TRPV1. <i>Journal of Neuroinflammation</i> , <b>2016</b> , 13, 210	10.1	7
29	RNA-Seq Based Transcriptome Analysis of the Type I Interferon Host Response upon Vaccinia Virus Infection of Mouse Cells. <i>Journal of Immunology Research</i> , <b>2017</b> , 2017, 5157626	4.5	6
28	Comment on the paper by Shchelkunov et al. (1993) FEBS Letters 319, 80-83. Two genes encoding poxvirus cytokine receptors are disrupted or deleted in variola virus. <i>FEBS Letters</i> , <b>1993</b> , 335, 136-7; discussion 138	3.8	6
27	New insights into the immunomodulatory properties of poxvirus cytokine decoy receptors at the cell surface. <i>F1000Research</i> , <b>2018</b> , 7,	3.6	6
26	Poxvirus-encoded TNF decoy receptors inhibit the biological activity of transmembrane TNF. <i>Journal of General Virology</i> , <b>2015</b> , 96, 3118-3123	4.9	6
25	Composition and Interactions among Bacterial, Microeukaryotic, and T4-like Viral Assemblages in Lakes from Both Polar Zones. <i>Frontiers in Microbiology</i> , <b>2016</b> , 7, 337	5.7	6
24	Complete Genome Sequence of Herpes Simplex Virus 2 Strain 333. <i>Microbiology Resource Announcements</i> , <b>2018</b> , 7,	1.3	6

23	Human monocyte-derived macrophages inhibit HCMV spread independent of classical antiviral cytokines. <i>Virulence</i> , <b>2018</b> , 9, 1669-1684	4-7	6
22	Interaction of viral chemokine inhibitors with chemokines. <i>Methods in Molecular Biology</i> , <b>2004</b> , 239, 167-80		5
21	Virus-encoded cytokine and chemokine decoy receptors. <i>Current Opinion in Immunology</i> , <b>2020</b> , 66, 50-56	7-8	4
20	Was smallpox a widespread mild disease?. <i>Science</i> , <b>2020</b> , 369, 376-377	33-3	4
19	Mechanism of action of the viral chemokine-binding protein E163 from ectromelia virus. <i>Journal of Biological Chemistry</i> , <b>2018</b> , 293, 17418-17429	5-4	4
18	Activation of OX40 and CD27 Costimulatory Signalling in Sheep through Recombinant Ovine Ligands. <i>Vaccines</i> , <b>2020</b> , 8,	5-3	3
17	Antiviral, Immunomodulatory and Antiproliferative Activities of Recombinant Soluble IFNAR2 without IFN- $\beta$ Mediation. <i>Journal of Clinical Medicine</i> , <b>2020</b> , 9,	5-1	3
16	Genome Sequence of WAU86/88-1, a New Variant of Vaccinia Virus Lister Strain from Poland. <i>Genome Announcements</i> , <b>2014</b> , 2,		3
15	The Genome Sequence of the Emerging Common Midwife Toad Virus Identifies an Evolutionary Intermediate within Ranaviruses. <i>Journal of Virology</i> , <b>2012</b> , 86, 11413-11413	6-6	3
14	Poxvirus-encoded TNF receptor homolog dampens inflammation and protects from uncontrolled lung pathology during respiratory infection. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 26885-26894	11-5	3
13	Herpes Simplex Virus 2 Counteracts Neurite Outgrowth Repulsion during Infection in a Nerve Growth Factor-Dependent Manner. <i>Journal of Virology</i> , <b>2020</b> , 94,	6-6	3
12	Infection with diverse immune-modulating poxviruses elicits different compositional shifts in the mouse gut microbiome. <i>PLoS ONE</i> , <b>2017</b> , 12, e0173697	3-7	2
11	Addition of a Viral Immunomodulatory Domain to Etanercept Generates a Bifunctional Chemokine and TNF Inhibitor. <i>Journal of Clinical Medicine</i> , <b>2019</b> , 9,	5-1	2
10	Viral Anticytokine Strategies <b>2016</b> , 597-604		2
9	Identification of the Cleavage Domain within Glycoprotein G of Herpes Simplex Virus Type 2. <i>Viruses</i> , <b>2020</b> , 12,	6-2	1
8	Identification and characterization of virus-encoded chemokine binding proteins. <i>Methods in Enzymology</i> , <b>2009</b> , 460, 173-91	1-7	1
7	Viral Interference with the Host Immune Response <b>2010</b> ,		1
6	Comparative Pathogenesis, Genomics and Phylogeography of Mousepox. <i>Viruses</i> , <b>2021</b> , 13,	6-2	1



5	Poxvirus-encoded TNF receptor homolog dampens inflammation and protects the host from uncontrolled lung pathology and death during respiratory infection		1
4	A New Putative Caulimoviridae Genus Discovered through Air Metagenomics. <i>Microbiology Resource Announcements</i> , <b>2018</b> , 7,	1.3	1
3	Herpes simplex virus 2 (HSV-2) evolves faster in cell culture than HSV-1 by generating greater genetic diversity. <i>PLoS Pathogens</i> , <b>2021</b> , 17, e1009541	7.6	1
2	Chemokine Binding Proteins as Therapeutics. <i>Methods and Principles in Medicinal Chemistry</i> , <b>2011</b> , 359-374		4
1	Chemokines and Viral Infections <b>2016</b> , 270-278		