

# Antonio Alcami

## List of Publications by Year in descending order

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129  
papers

8,548  
citations

61984

43  
h-index

48315

88  
g-index

142  
all docs

142  
docs citations

142  
times ranked

7984  
citing authors

#	ARTICLE	IF	CITATIONS
1	Viral mimicry of cytokines, chemokines and their receptors. <i>Nature Reviews Immunology</i> , 2003, 3, 36-50.	22.7	510
2	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> , 1992, 71, 153-167.	28.9	478
3	Vaccinia virus encodes a soluble type I interferon receptor of novel structure and broad species soecificity. <i>Cell</i> , 1995, 81, 551-560.	28.9	467
4	Viral mechanisms of immune evasion. <i>Trends in Immunology</i> , 2000, 21, 447-455.	7.5	424
5	High Diversity of the Viral Community from an Antarctic Lake. <i>Science</i> , 2009, 326, 858-861.	12.6	392
6	Viral mechanisms of immune evasion. <i>Trends in Microbiology</i> , 2000, 8, 410-418.	7.7	325
7	T cells with dysfunctional mitochondria induce multimorbidity and premature senescence. <i>Science</i> , 2020, 368, 1371-1376.	12.6	286
8	The chemokine receptor D6 limits the inflammatory response in vivo. <i>Nature Immunology</i> , 2005, 6, 403-411.	14.5	279
9	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> , 2020, 11, 4938.	12.8	272
10	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> , 2000, 74, 11230-11239.	3.4	237
11	Vaccinia virus immune evasion. <i>Immunological Reviews</i> , 1997, 159, 137-154.	6.0	215
12	A Broad Spectrum Secreted Chemokine Binding Protein Encoded by a Herpesvirus. <i>Journal of Experimental Medicine</i> , 2000, 191, 573-578.	8.5	214
13	Impaired Antiviral Response and Alpha/Beta Interferon Induction in Mice Lacking Beta Interferon. <i>Journal of Virology</i> , 2000, 74, 3404-3409.	3.4	161
14	Ectromelia, vaccinia and cowpox viruses encode secreted interleukin-18-binding proteins. <i>Microbiology (United Kingdom)</i> , 2000, 81, 1223-1230.	1.8	156
15	Schistosoma mansoni secretes a chemokine binding protein with antiinflammatory activity. <i>Journal of Experimental Medicine</i> , 2005, 202, 1319-1325.	8.5	148
16	IL-10 from Regulatory T Cells Determines Vaccine Efficacy in Murine <i>Leishmania major</i> Infection. <i>Journal of Immunology</i> , 2005, 175, 2517-2524.	0.8	143
17	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> , 2006, 103, 5995-6000.	7.1	142
18	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> , 1996, 93, 11029-11034.	7.1	138

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19	Cytokine receptors encoded by poxviruses: a lesson in cytokine biology. <i>Trends in Immunology</i> , 1995, 16, 474-478.	7.5	130
20	RANTES Binding and Down-Regulation by a Novel Human Herpesvirus-6 $\beta$ Chemokine Receptor. <i>Journal of Immunology</i> , 2000, 164, 2396-2404.	0.8	130
21	Glycoprotein G isoforms from some alphaherpesviruses function as broad-spectrum chemokine binding proteins. <i>EMBO Journal</i> , 2003, 22, 833-846.	7.8	111
22	CrnE, a Novel Soluble Tumor Necrosis Factor Receptor Encoded by Poxviruses. <i>Journal of Virology</i> , 2001, 75, 226-233.	3.4	103
23	The UL144 gene product of human cytomegalovirus activates NF $\kappa$ B via a TRAF6-dependent mechanism. <i>EMBO Journal</i> , 2006, 25, 4390-4399.	7.8	98
24	Biodiversity and distribution of polar freshwater DNA viruses. <i>Science Advances</i> , 2015, 1, e1400127.	10.3	97
25	Inhibition of Type 1 Cytokine-mediated Inflammation by a Soluble CD30 Homologue Encoded by Ectromelia (Mousepox) Virus. <i>Journal of Experimental Medicine</i> , 2002, 196, 829-839.	8.5	85
26	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> , 2013, 13, 701-710.	11.0	80
27	Genome-Wide Analysis of Wild-Type Epstein-Barr Virus Genomes Derived from Healthy Individuals of the 1000 Genomes Project. <i>Genome Biology and Evolution</i> , 2014, 6, 846-860.	2.5	74
28	Identification of TRIM23 as a Cofactor Involved in the Regulation of NF $\kappa$ B by Human Cytomegalovirus. <i>Journal of Virology</i> , 2009, 83, 3581-3590.	3.4	71
29	The entry of African swine fever virus into Vero cells. <i>Virology</i> , 1989, 171, 68-75.	2.4	69
30	Expression of Secreted Cytokine and Chemokine Inhibitors by Ectromelia Virus. <i>Journal of Virology</i> , 2000, 74, 8460-8471.	3.4	69
31	Pathogen-derived immunomodulatory molecules: future immunotherapeutics?. <i>Trends in Immunology</i> , 2006, 27, 470-476.	6.8	68
32	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> , 2009, 83, 1563-1571.	3.4	66
33	A pro-inflammatory signature mediates FGF2-induced angiogenesis. <i>Journal of Cellular and Molecular Medicine</i> , 2009, 13, 2083-2108.	3.6	66
34	Interaction of African swine fever virus with macrophages. <i>Virus Research</i> , 1990, 17, 93-104.	2.2	62
35	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> , 2003, 77, 624-630.	3.4	62
36	Poxviruses: Interfering with Interferon. <i>Seminars in Virology</i> , 1998, 8, 409-418.	3.9	61

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37	Inhibition of Interferons by Ectromelia Virus. <i>Journal of Virology</i> , 2002, 76, 1124-1134.	3.4	60
38	Modulation of chemokine activity by viruses. <i>Current Opinion in Immunology</i> , 2010, 22, 482-487.	5.5	59
39	Saturable binding sites mediate the entry of African swine fever virus into VERO cells. <i>Virology</i> , 1989, 168, 393-398.	2.4	51
40	An Ectromelia Virus Protein That Interacts with Chemokines through Their Glycosaminoglycan Binding Domain. <i>Journal of Virology</i> , 2008, 82, 917-926.	3.4	50
41	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> , 2011, 25, 1960-1971.	0.5	49
42	Inhibition of Intimal Hyperplasia in Transgenic Mice Conditionally Expressing the Chemokine-Binding Protein M3. <i>American Journal of Pathology</i> , 2004, 164, 2289-2297.	3.8	48
43	The Genome Sequence of the Emerging Common Midwife Toad Virus Identifies an Evolutionary Intermediate within Ranaviruses. <i>Journal of Virology</i> , 2012, 86, 3617-3625.	3.4	48
44	Evaluation of immunological responses to a glycoprotein G deficient candidate vaccine strain of infectious laryngotracheitis virus. <i>Vaccine</i> , 2010, 28, 1325-1332.	3.8	45
45	The vaccinia virus soluble interferon- $\beta$ receptor is a homodimer. <i>Journal of General Virology</i> , 2002, 83, 545-549.	2.9	45
46	NF- $\kappa$ B-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> , 2008, 82, 4250-4256.	3.4	44
47	Enhancement of Chemokine Function as an Immunomodulatory Strategy Employed by Human Herpesviruses. <i>PLoS Pathogens</i> , 2012, 8, e1002497.	4.7	44
48	Poxviruses: Capturing Cytokines and Chemokines. <i>Seminars in Virology</i> , 1998, 8, 419-427.	3.9	43
49	The gammaherpesvirus chemokine binding protein can inhibit the interaction of chemokines with glycosaminoglycans. <i>FASEB Journal</i> , 2004, 18, 571-573.	0.5	43
50	$\beta$ -arrestin-1 mediates the TCR-triggered re-routing of distal receptors to the immunological synapse by a PKC-mediated mechanism. <i>EMBO Journal</i> , 2014, 33, 559-577.	7.8	43
51	Soluble interferon- $\beta$ receptors encoded by poxviruses. <i>Comparative Immunology, Microbiology and Infectious Diseases</i> , 1996, 19, 305-317.	1.6	41
52	Immune modulation by virus-encoded secreted chemokine binding proteins. <i>Virus Research</i> , 2015, 209, 67-75.	2.2	41
53	Analysis of an Interaction between the Soluble Vaccinia Virus-Coded Type I Interferon (IFN)-Receptor and Human IFN- $\beta$ 1 and IFN- $\beta$ 2. <i>Virology</i> , 1997, 232, 86-90.	2.4	39
54	Viral mechanisms of immune evasion. <i>Trends in Molecular Medicine</i> , 2000, 6, 365-372.	2.6	39

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55	The highly virulent variola and monkeypox viruses express secreted inhibitors of type I interferon. <i>FASEB Journal</i> , 2010, 24, 1479-1488.	0.5	39
56	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> , 2009, 27, 1080-1086.	3.8	38
57	Viruses in Polar Lake and Soil Ecosystems. <i>Advances in Virus Research</i> , 2018, 101, 39-54.	2.1	36
58	Receptors for gamma-interferon encoded by poxviruses: implications for the unknown origin of vaccinia virus. <i>Trends in Microbiology</i> , 1996, 4, 321-326.	7.7	35
59	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> , 2017, 83, .	3.1	34
60	The Gammaherpesvirus Chemokine Binding Protein Binds to the N Terminus of CXCL8. <i>Journal of Virology</i> , 2003, 77, 8588-8592.	3.4	32
61	Herpes simplex virus enhances chemokine function through modulation of receptor trafficking and oligomerization. <i>Nature Communications</i> , 2015, 6, 6163.	12.8	32
62	Glycoprotein G from pseudorabies virus binds to chemokines with high affinity and inhibits their function. <i>Journal of General Virology</i> , 2010, 91, 23-31.	2.9	32
63	Evaluation of viral genome assembly and diversity estimation in deep metagenomes. <i>BMC Genomics</i> , 2014, 15, 989.	2.8	31
64	Expression of the Chemokine Binding Protein M3 Promotes Marked Changes in the Accumulation of Specific Leukocytes Subsets Within the Intestine. <i>Gastroenterology</i> , 2009, 137, 1006-1018.e3.	1.3	30
65	Complete Genome Sequence of the European Sheatfish Virus. <i>Journal of Virology</i> , 2012, 86, 6365-6366.	3.4	28
66	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> , 2005, 86, 3209-3214.	2.9	27
67	Heterologous Priming-Boosting with DNA and Modified Vaccinia Virus Ankara Expressing Tryparedoxin Peroxidase Promotes Long-Term Memory against <i>Leishmania major</i> in Susceptible BALB/c Mice. <i>Infection and Immunity</i> , 2007, 75, 852-860.	2.2	27
68	Comparative Biochemical and Functional Analysis of Viral and Human Secreted Tumor Necrosis Factor (TNF) Decoy Receptors. <i>Journal of Biological Chemistry</i> , 2015, 290, 15973-15984.	3.4	27
69	Chemokines cooperate with TNF to provide protective anti-viral immunity and to enhance inflammation. <i>Nature Communications</i> , 2018, 9, 1790.	12.8	27
70	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> , 2012, 8, e1002475.	4.7	26
71	The genome sequence of ectromelia virus Naval and Cornell isolates from outbreaks in North America. <i>Virology</i> , 2014, 462-463, 218-226.	2.4	26
72	Metagenomic analysis of lacustrine viral diversity along a latitudinal transect of the Antarctic Peninsula. <i>FEMS Microbiology Ecology</i> , 2016, 92, fiw074.	2.7	26

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73	A virus-encoded type I interferon decoy receptor enables evasion of host immunity through cell-surface binding. <i>Nature Communications</i> , 2018, 9, 5440.	12.8	25
74	Viral cGAMP nuclease reveals the essential role of DNA sensing in protection against acute lethal virus infection. <i>Science Advances</i> , 2020, 6, .	10.3	25
75	Composition of the <i>Schistosoma mansoni</i> worm secretome: Identification of immune modulatory Cyclophilin A. <i>PLoS Neglected Tropical Diseases</i> , 2017, 11, e0006012.	3.0	24
76	Chemokine Binding Proteins Encoded by Pathogens. <i>Advances in Experimental Medicine and Biology</i> , 2009, 666, 167-179.	1.6	23
77	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> , 2015, 11, e1004571.	4.7	23
78	Was smallpox a widespread mild disease?. <i>Science</i> , 2020, 369, 376-377.	12.6	22
79	New insights into the subversion of the chemokine system by poxviruses. <i>European Journal of Immunology</i> , 2007, 37, 880-883.	2.9	20
80	Structural basis of the herpesvirus M3 chemokine interaction. <i>Trends in Microbiology</i> , 2003, 11, 191-192.	7.7	19
81	A Method for the Generation of Ectromelia Virus (ECTV) Recombinants: In Vivo Analysis of ECTV vCD30 Deletion Mutants. <i>PLoS ONE</i> , 2009, 4, e5175.	2.5	19
82	Virally Encoded Chemokine Binding Proteins. <i>Mini-Reviews in Medicinal Chemistry</i> , 2005, 5, 833-848.	2.4	18
83	Virus-encoded cytokine and chemokine decoy receptors. <i>Current Opinion in Immunology</i> , 2020, 66, 50-56.	5.5	18
84	African swine fever virus fatty acid acylated proteins. <i>Virology</i> , 1991, 185, 942-945.	2.4	17
85	Aquatic viral metagenomics: Lights and shadows. <i>Virus Research</i> , 2017, 239, 87-96.	2.2	17
86	Ecosystem function decays by fungal outbreaks in Antarctic microbial mats. <i>Scientific Reports</i> , 2016, 6, 22954.	3.3	16
87	Subversion of natural killer cell responses by a cytomegalovirus-encoded soluble CD48 decoy receptor. <i>PLoS Pathogens</i> , 2019, 15, e1007658.	4.7	16
88	Poxviral TNFRs: Properties and Role in Viral Pathogenesis. <i>Advances in Experimental Medicine and Biology</i> , 2011, 691, 203-210.	1.6	16
89	Herpes simplex virus particles interact with chemokines and enhance cell migration. <i>Journal of General Virology</i> , 2016, 97, 3007-3016.	2.9	16
90	Deriving Immune Modulating Drugs from Viruses – A New Class of Biologics. <i>Journal of Clinical Medicine</i> , 2020, 9, 972.	2.4	15

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91	Attenuation of TNF-driven murine ileitis by intestinal expression of the viral immunomodulator CrmD. <i>Mucosal Immunology</i> , 2010, 3, 633-644.	6.0	14
92	An orphan viral TNF receptor superfamily member identified in lymphocystis disease virus. <i>Virology Journal</i> , 2013, 10, 188.	3.4	13
93	Fc receptors do not mediate african swine fever virus replication in macrophages. <i>Virology</i> , 1991, 181, 756-759.	2.4	12
94	Interferon- $\beta$ / $\gamma$ Genes Are Up-Regulated in Murine Brain Astrocytes After Infection With Theiler's Murine Encephalomyelitis Virus. <i>Journal of Interferon and Cytokine Research</i> , 2010, 30, 253-262.	1.2	12
95	Establishment of a Zebrafish Infection Model for the Study of Wild-Type and Recombinant European Sheatfish Virus. <i>Journal of Virology</i> , 2015, 89, 10702-10706.	3.4	12
96	Composition and Interactions among Bacterial, Microeukaryotic, and T4-like Viral Assemblages in Lakes from Both Polar Zones. <i>Frontiers in Microbiology</i> , 2016, 7, 337.	3.5	12
97	Secreted herpes simplex virus-2 glycoprotein G alters thermal pain sensitivity by modifying NGF effects on TRPV1. <i>Journal of Neuroinflammation</i> , 2016, 13, 210.	7.2	12
98	Genome Sequence of Herpes Simplex Virus 1 Strain SC16. <i>Genome Announcements</i> , 2017, 5, .	0.8	11
99	Comment on the paper by Shchelkunov et al. (1993) <i>FEBS Letters</i> 319, 80-83. Two genes encoding poxvirus cytokine receptors are disrupted or deleted in variola virus. <i>FEBS Letters</i> , 1993, 335, 136-137.	2.8	10
100	Mapping and sequence of the gene encoding the African swine fever virion protein of Mr 11500. <i>Journal of General Virology</i> , 1993, 74, 2317-2324.	2.9	10
101	Genetic Variability of Immunomodulatory Genes in Ectromelia Virus Isolates Detected by Denaturing High-Performance Liquid Chromatography. <i>Journal of Virology</i> , 2003, 77, 10139-10146.	3.4	10
102	Complete Genome Sequence of Herpes Simplex Virus 2 Strain 333. <i>Microbiology Resource Announcements</i> , 2018, 7, .	0.6	10
103	Human monocyte-derived macrophages inhibit HCMV spread independent of classical antiviral cytokines. <i>Virulence</i> , 2018, 9, 1669-1684.	4.4	10
104	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> , 2019, 294, 5214-5227.	3.4	10
105	Soluble chemokine binding proteins are also encoded by herpesviruses. <i>Trends in Immunology</i> , 2000, 21, 526-527.	7.5	9
106	Herpes Simplex Virus 2 Counteracts Neurite Outgrowth Repulsion during Infection in a Nerve Growth Factor-Dependent Manner. <i>Journal of Virology</i> , 2020, 94, .	3.4	9
107	New insights into the immunomodulatory properties of poxvirus cytokine decoy receptors at the cell surface. <i>F1000Research</i> , 2018, 7, 719.	1.6	9
108	The interaction of viruses with host immune defenses. <i>Current Opinion in Microbiology</i> , 2010, 13, 501-502.	5.1	8

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109	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> , 2020, 117, 26885-26894.	7.1	8
110	TNF Decoy Receptors Encoded by Poxviruses. <i>Pathogens</i> , 2021, 10, 1065.	2.8	8
111	Poxvirus-encoded TNF decoy receptors inhibit the biological activity of transmembrane TNF. <i>Journal of General Virology</i> , 2015, 96, 3118-3123.	2.9	8
112	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> , 2017, 2017, 1-12.	2.2	7
113	Interaction of Viral Chemokine Inhibitors with Chemokines. , 2004, 239, 167-180.		6
114	Addition of a Viral Immunomodulatory Domain to Etanercept Generates a Bifunctional Chemokine and TNF Inhibitor. <i>Journal of Clinical Medicine</i> , 2020, 9, 25.	2.4	6
115	Combination of long- and short-read sequencing fully resolves complex repeats of herpes simplex virus 2 strain MS complete genome. <i>Microbial Genomics</i> , 2021, 7, .	2.0	6
116	Genome Sequence of WAU86/88-1, a New Variant of Vaccinia Virus Lister Strain from Poland. <i>Genome Announcements</i> , 2014, 2, .	0.8	5
117	Mechanism of action of the viral chemokine-binding protein E163 from ectromelia virus. <i>Journal of Biological Chemistry</i> , 2018, 293, 17418-17429.	3.4	5
118	Herpes simplex virus 2 (HSV-2) evolves faster in cell culture than HSV-1 by generating greater genetic diversity. <i>PLoS Pathogens</i> , 2021, 17, e1009541.	4.7	5
119	A New Putative Caulimoviridae Genus Discovered through Air Metagenomics. <i>Microbiology Resource Announcements</i> , 2018, 7, .	0.6	4
120	Identification of the Cleavage Domain within Glycoprotein G of Herpes Simplex Virus Type 2. <i>Viruses</i> , 2020, 12, 1428.	3.3	4
121	Activation of OX40 and CD27 Costimulatory Signalling in Sheep through Recombinant Ovine Ligands. <i>Vaccines</i> , 2020, 8, 333.	4.4	4
122	Antiviral, Immunomodulatory and Antiproliferative Activities of Recombinant Soluble IFNAR2 without IFN- $\gamma$ Mediation. <i>Journal of Clinical Medicine</i> , 2020, 9, 959.	2.4	4
123	Comparative Pathogenesis, Genomics and Phylogeography of Mousepox. <i>Viruses</i> , 2021, 13, 1146.	3.3	4
124	Viral Anticytokine Strategies. , 2016, , 597-604.		3
125	Chapter 8 Identification and Characterization of Virus-Encoded Chemokine Binding Proteins. <i>Methods in Enzymology</i> , 2009, 460, 173-191.	1.0	2
126	Infection with diverse immune-modulating poxviruses elicits different compositional shifts in the mouse gut microbiome. <i>PLoS ONE</i> , 2017, 12, e0173697.	2.5	2



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127	Assessment of Surface Disinfection Effectiveness of Decontamination System COUNTERFOGÂ® SDR-F05A+â€%Against Bacteriophage É,29. Food and Environmental Virology, 0, , .	3.4	1
128	Complete Genome Sequence of the European Sheatfish Virus. Journal of Virology, 2012, 86, 11414-11414.	3.4	0
129	Chemokines and Viral Infections. , 2016, , 270-278.		0