

Antonio Alcami

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Comparative Pathogenesis, Genomics and Phylogeography of Mousepox. <i>Viruses</i> , 2021 , 13,	6.2	1
129	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	7.6	1
128	Identification of the Cleavage Domain within Glycoprotein G of Herpes Simplex Virus Type 2. <i>Viruses</i> , 2020 , 12,	6.2	1
127	Virus-encoded cytokine and chemokine decoy receptors. <i>Current Opinion in Immunology</i> , 2020 , 66, 50-56	7.8	4
126	T cells with dysfunctional mitochondria induce multimorbidity and premature senescence. <i>Science</i> , 2020 , 368, 1371-1376	33.3	113
125	Activation of OX40 and CD27 Costimulatory Signalling in Sheep through Recombinant Ovine Ligands. <i>Vaccines</i> , 2020 , 8,	5.3	3
124	Antiviral, Immunomodulatory and Antiproliferative Activities of Recombinant Soluble IFNAR2 without IFN- α Mediation. <i>Journal of Clinical Medicine</i> , 2020 , 9,	5.1	3
123	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	11.5	3
122	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	17.4	122
121	Herpes Simplex Virus 2 Counteracts Neurite Outgrowth Repulsion during Infection in a Nerve Growth Factor-Dependent Manner. <i>Journal of Virology</i> , 2020 , 94,	6.6	3
120	Was smallpox a widespread mild disease?. <i>Science</i> , 2020 , 369, 376-377	33.3	4
119	Viral cGAMP nuclease reveals the essential role of DNA sensing in protection against acute lethal virus infection. <i>Science Advances</i> , 2020 , 6,	14.3	10
118	Deriving Immune Modulating Drugs from Viruses-A New Class of Biologics. <i>Journal of Clinical Medicine</i> , 2020 , 9,	5.1	8
117	Subversion of natural killer cell responses by a cytomegalovirus-encoded soluble CD48 decoy receptor. <i>PLoS Pathogens</i> , 2019 , 15, e1007658	7.6	8
116	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	5.4	8
115	Addition of a Viral Immunomodulatory Domain to Etanercept Generates a Bifunctional Chemokine and TNF Inhibitor. <i>Journal of Clinical Medicine</i> , 2019 , 9,	5.1	2
114	Chemokines cooperate with TNF to provide protective anti-viral immunity and to enhance inflammation. <i>Nature Communications</i> , 2018 , 9, 1790	17.4	19

113	Viruses in Polar Lake and Soil Ecosystems. <i>Advances in Virus Research</i> , 2018 , 101, 39-54	10.7	25
112	New insights into the immunomodulatory properties of poxvirus cytokine decoy receptors at the cell surface. <i>F1000Research</i> , 2018 , 7,	3.6	6
111	Complete Genome Sequence of Herpes Simplex Virus 2 Strain 333. <i>Microbiology Resource Announcements</i> , 2018 , 7,	1.3	6
110	A New Putative Caulimoviridae Genus Discovered through Air Metagenomics. <i>Microbiology Resource Announcements</i> , 2018 , 7,	1.3	1
109	Mechanism of action of the viral chemokine-binding protein E163 from ectromelia virus. <i>Journal of Biological Chemistry</i> , 2018 , 293, 17418-17429	5.4	4
108	Human monocyte-derived macrophages inhibit HCMV spread independent of classical antiviral cytokines. <i>Virulence</i> , 2018 , 9, 1669-1684	4.7	6
107	A virus-encoded type I interferon decoy receptor enables evasion of host immunity through cell-surface binding. <i>Nature Communications</i> , 2018 , 9, 5440	17.4	15
106	Genome Sequence of Herpes Simplex Virus 1 Strain SC16. <i>Genome Announcements</i> , 2017 , 5,		7
105	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,	4.8	22
104	Composition of the <i>Schistosoma mansoni</i> worm secretome: Identification of immune modulatory Cyclophilin A. <i>PLoS Neglected Tropical Diseases</i> , 2017 , 11, e0006012	4.8	16
103	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, 5157626	4.5	6
102	Aquatic viral metagenomics: Lights and shadows. <i>Virus Research</i> , 2017 , 239, 87-96	6.4	11
101	Infection with diverse immune-modulating poxviruses elicits different compositional shifts in the mouse gut microbiome. <i>PLoS ONE</i> , 2017 , 12, e0173697	3.7	2
100	Herpes simplex virus particles interact with chemokines and enhance cell migration. <i>Journal of General Virology</i> , 2016 , 97, 3007-3016	4.9	13
99	Chemokines and Viral Infections 2016 , 270-278		
98	Viral Anticytokine Strategies 2016 , 597-604		2
97	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	5.7	6
96	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	10.1	7

95	Ecosystem function decays by fungal outbreaks in Antarctic microbial mats. <i>Scientific Reports</i> , 2016 , 6, 22954	4.9	11
94	Metagenomic analysis of lacustrine viral diversity along a latitudinal transect of the Antarctic Peninsula. <i>FEMS Microbiology Ecology</i> , 2016 , 92, fiw074	4.3	17
93	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	7.6	17
92	Comparative Biochemical and Functional Analysis of Viral and Human Secreted Tumor Necrosis Factor (TNF) Decoy Receptors. <i>Journal of Biological Chemistry</i> , 2015 , 290, 15973-84	5.4	23
91	Immune modulation by virus-encoded secreted chemokine binding proteins. <i>Virus Research</i> , 2015 , 209, 67-75	6.4	29
90	Biodiversity and distribution of polar freshwater DNA viruses. <i>Science Advances</i> , 2015 , 1, e1400127	14.3	69
89	Establishment of a Zebrafish Infection Model for the Study of Wild-Type and Recombinant European Sheatfish Virus. <i>Journal of Virology</i> , 2015 , 89, 10702-6	6.6	11
88	Herpes simplex virus enhances chemokine function through modulation of receptor trafficking and oligomerization. <i>Nature Communications</i> , 2015 , 6, 6163	17.4	25
87	Poxvirus-encoded TNF decoy receptors inhibit the biological activity of transmembrane TNF. <i>Journal of General Virology</i> , 2015 , 96, 3118-3123	4.9	6
86	The genome sequence of ectromelia virus Naval and Cornell isolates from outbreaks in North America. <i>Virology</i> , 2014 , 462-463, 218-26	3.6	20
85	Evaluation of viral genome assembly and diversity estimation in deep metagenomes. <i>BMC Genomics</i> , 2014 , 15, 989	4.5	25
84	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, 559-77	13	29
83	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> , 2014 , 6, 846-60	3.9	54
82	Genome Sequence of WAU86/88-1, a New Variant of Vaccinia Virus Lister Strain from Poland. <i>Genome Announcements</i> , 2014 , 2,		3
81	An orphan viral TNF receptor superfamily member identified in lymphocystis disease virus. <i>Virology Journal</i> , 2013 , 10, 188	6.1	10
80	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, 701-10	23.4	62
79	Enhancement of chemokine function as an immunomodulatory strategy employed by human herpesviruses. <i>PLoS Pathogens</i> , 2012 , 8, e1002497	7.6	39
78	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	7.6	26

77	Complete Genome Sequence of the European Sheatfish Virus. <i>Journal of Virology</i> , 2012 , 86, 11414-11414	6.6	78
76	The Genome Sequence of the Emerging Common Midwife Toad Virus Identifies an Evolutionary Intermediate within Ranaviruses. <i>Journal of Virology</i> , 2012 , 86, 11413-11413	6.6	3
75	Complete genome sequence of the European sheatfish virus. <i>Journal of Virology</i> , 2012 , 86, 6365-6	6.6	27
74	The genome sequence of the emerging common midwife toad virus identifies an evolutionary intermediate within ranaviruses. <i>Journal of Virology</i> , 2012 , 86, 3617-25	6.6	44
73	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, 1960-71	0.9	36
72	Chemokine Binding Proteins as Therapeutics. <i>Methods and Principles in Medicinal Chemistry</i> , 2011 , 359-374		4
71	Poxviral TNFRs: properties and role in viral pathogenesis. <i>Advances in Experimental Medicine and Biology</i> , 2011 , 691, 203-10	3.6	15
70	The highly virulent variola and monkeypox viruses express secreted inhibitors of type I interferon. <i>FASEB Journal</i> , 2010 , 24, 1479-88	0.9	24
69	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> , 2010 , 30, 253-62	3.5	10
68	Attenuation of TNF-driven murine ileitis by intestinal expression of the viral immunomodulator CrmD. <i>Mucosal Immunology</i> , 2010 , 3, 633-44	9.2	10
67	The interaction of viruses with host immune defenses. <i>Current Opinion in Microbiology</i> , 2010 , 13, 501-2	7.9	7
66	Evaluation of immunological responses to a glycoprotein G deficient candidate vaccine strain of infectious laryngotracheitis virus. <i>Vaccine</i> , 2010 , 28, 1325-32	4.1	44
65	Viral Interference with the Host Immune Response 2010 ,		1
64	Modulation of chemokine activity by viruses. <i>Current Opinion in Immunology</i> , 2010 , 22, 482-7	7.8	44
63	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	4.9	25
62	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	3.7	16
61	Identification and characterization of virus-encoded chemokine binding proteins. <i>Methods in Enzymology</i> , 2009 , 460, 173-91	1.7	1
60	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, 1563-71	6.6	60

59	Identification of TRIM23 as a cofactor involved in the regulation of NF-kappaB by human cytomegalovirus. <i>Journal of Virology</i> , 2009 , 83, 3581-90	6.6	57
58	A pro-inflammatory signature mediates FGF2-induced angiogenesis. <i>Journal of Cellular and Molecular Medicine</i> , 2009 , 13, 2083-2108	5.6	53
57	High diversity of the viral community from an Antarctic lake. <i>Science</i> , 2009 , 326, 858-61	33.3	313
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, 1080-6	4.1	30
55	Chemokine binding proteins encoded by pathogens. <i>Advances in Experimental Medicine and Biology</i> , 2009 , 666, 167-79	3.6	19
54	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, 1006-18, 1018.e1-3	13.3	26
53	An ectromelia virus protein that interacts with chemokines through their glycosaminoglycan binding domain. <i>Journal of Virology</i> , 2008 , 82, 917-26	6.6	45
52	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> , 2008 , 82, 4250-6	6.6	36
51	New insights into the subversion of the chemokine system by poxviruses. <i>European Journal of Immunology</i> , 2007 , 37, 880-3	6.1	18
50	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> , 2007 , 75, 852-60	3.7	24
49	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	11.5	114
48	Pathogen-derived immunomodulatory molecules: future immunotherapeutics?. <i>Trends in Immunology</i> , 2006 , 27, 470-6	14.4	61
47	The UL144 gene product of human cytomegalovirus activates NFkappaB via a TRAF6-dependent mechanism. <i>EMBO Journal</i> , 2006 , 25, 4390-9	13	88
46	The chemokine receptor D6 limits the inflammatory response in vivo. <i>Nature Immunology</i> , 2005 , 6, 403-119.1		258
45	Virally encoded chemokine binding proteins. <i>Mini-Reviews in Medicinal Chemistry</i> , 2005 , 5, 833-48	3.2	18
44	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	4.9	26
43	<i>Schistosoma mansoni</i> secretes a chemokine binding protein with antiinflammatory activity. <i>Journal of Experimental Medicine</i> , 2005 , 202, 1319-25	16.6	130
42	IL-10 from regulatory T cells determines vaccine efficacy in murine <i>Leishmania major</i> infection. <i>Journal of Immunology</i> , 2005 , 175, 2517-24	5.3	134

41	Interaction of viral chemokine inhibitors with chemokines. <i>Methods in Molecular Biology</i> , 2004 , 239, 167-80		5
40	The gammaherpesvirus chemokine binding protein can inhibit the interaction of chemokines with glycosaminoglycans. <i>FASEB Journal</i> , 2004 , 18, 571-3	0.9	35
39	Inhibition of intimal hyperplasia in transgenic mice conditionally expressing the chemokine-binding protein M3. <i>American Journal of Pathology</i> , 2004 , 164, 2289-97	5.8	40
38	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, 624-30	6.6	55
37	Genetic variability of immunomodulatory genes in ectromelia virus isolates detected by denaturing high-performance liquid chromatography. <i>Journal of Virology</i> , 2003 , 77, 10139-46	6.6	9
36	Glycoprotein G isoforms from some alphaherpesviruses function as broad-spectrum chemokine binding proteins. <i>EMBO Journal</i> , 2003 , 22, 833-46	13	96
35	Viral mimicry of cytokines, chemokines and their receptors. <i>Nature Reviews Immunology</i> , 2003 , 3, 36-50	36.5	455
34	Structural basis of the herpesvirus M3-chemokine interaction. <i>Trends in Microbiology</i> , 2003 , 11, 191-2	12.4	19
33	The gammaherpesvirus chemokine binding protein binds to the N terminus of CXCL8. <i>Journal of Virology</i> , 2003 , 77, 8588-92	6.6	25
32	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, 829-39	16.6	79
31	Inhibition of interferons by ectromelia virus. <i>Journal of Virology</i> , 2002 , 76, 1124-34	6.6	56
30	The vaccinia virus soluble interferon-gamma receptor is a homodimer. <i>Journal of General Virology</i> , 2002 , 83, 545-549	4.9	40
29	CrnE, a novel soluble tumor necrosis factor receptor encoded by poxviruses. <i>Journal of Virology</i> , 2001 , 75, 226-33	6.6	94
28	Soluble chemokine binding proteins are also encoded by herpesviruses. <i>Trends in Immunology</i> , 2000 , 21, 526-7		9
27	Viral mechanisms of immune evasion. <i>Trends in Immunology</i> , 2000 , 21, 447-55		375
26	Viral mechanisms of immune evasion. <i>Trends in Molecular Medicine</i> , 2000 , 6, 365-72		37
25	Impaired antiviral response and alpha/beta interferon induction in mice lacking beta interferon. <i>Journal of Virology</i> , 2000 , 74, 3404-9	6.6	149
24	Expression of secreted cytokine and chemokine inhibitors by ectromelia virus. <i>Journal of Virology</i> , 2000 , 74, 8460-71	6.6	62

23	A broad spectrum secreted chemokine binding protein encoded by a herpesvirus. <i>Journal of Experimental Medicine</i> , 2000 , 191, 573-8	16.6	203
22	Viral mechanisms of immune evasion. <i>Trends in Microbiology</i> , 2000 , 8, 410-8	12.4	279
21	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, 11230-9	6.6	212
20	RANTES binding and down-regulation by a novel human herpesvirus-6 beta chemokine receptor. <i>Journal of Immunology</i> , 2000 , 164, 2396-404	5.3	114
19	Ectromelia, vaccinia and cowpox viruses encode secreted interleukin-18-binding proteins. <i>Microbiology (United Kingdom)</i> , 2000 , 81, 1223-30	2.9	143
18	Poxviruses: Capturing Cytokines and Chemokines. <i>Seminars in Virology</i> , 1998 , 8, 419-427		39
17	Poxviruses: Interfering with Interferon. <i>Seminars in Virology</i> , 1998 , 8, 409-418		57
16	Vaccinia virus immune evasion. <i>Immunological Reviews</i> , 1997 , 159, 137-54	11.3	196
15	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> , 1997 , 232, 86-90	3.6	35
14	Receptors for gamma-interferon encoded by poxviruses: implications for the unknown origin of vaccinia virus. <i>Trends in Microbiology</i> , 1996 , 4, 321-6	12.4	34
13	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, 11029-34	11.5	111
12	Soluble interferon-gamma receptors encoded by poxviruses. <i>Comparative Immunology, Microbiology and Infectious Diseases</i> , 1996 , 19, 305-17	2.6	33
11	Cytokine receptors encoded by poxviruses: a lesson in cytokine biology. <i>Trends in Immunology</i> , 1995 , 16, 474-8		109
10	Vaccinia virus encodes a soluble type I interferon receptor of novel structure and broad species specificity. <i>Cell</i> , 1995 , 81, 551-60	56.2	417
9	Mapping and sequence of the gene encoding the African swine fever virion protein of M(r) 11500. <i>Journal of General Virology</i> , 1993 , 74 (Pt 11), 2317-24	4.9	8
8	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, 136-7; discussion 138	3.8	6
7	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, 153-67	56.2	414
6	African swine fever virus fatty acid acylated proteins. <i>Virology</i> , 1991 , 185, 942-5	3.6	14

5	Fc receptors do not mediate African swine fever virus replication in macrophages. <i>Virology</i> , 1991 , 181, 756-9	3.6	10
4	Interaction of African swine fever virus with macrophages. <i>Virus Research</i> , 1990 , 17, 93-104	6.4	52
3	Saturable binding sites mediate the entry of African swine fever virus into Vero cells. <i>Virology</i> , 1989 , 168, 393-8	3.6	42
2	The entry of African swine fever virus into Vero cells. <i>Virology</i> , 1989 , 171, 68-75	3.6	59
1	Poxvirus-encoded TNF receptor homolog dampens inflammation and protects the host from uncontrolled lung pathology and death during respiratory infection		1