

Curt M Horvath

List of Publications by Citations

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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.

83
papers

11,190
citations

54
h-index

85
g-index

85
ext. papers

12,080
ext. citations

9
avg, IF

6.35
L-index

#	Paper	IF	Citations
83	A road map for those who don't know JAK-STAT. <i>Science</i> , 2002 , 296, 1653-5	33.3	1004
82	Leptin activation of Stat3 in the hypothalamus of wild-type and ob/ob mice but not db/db mice. <i>Nature Genetics</i> , 1996 , 14, 95-7	36.3	903
81	Interferon activation of the transcription factor Stat91 involves dimerization through SH2-phosphotyrosyl peptide interactions. <i>Cell</i> , 1994 , 76, 821-8	56.2	725
80	Stat3 activation is required for cellular transformation by v-src. <i>Molecular and Cellular Biology</i> , 1998 , 18, 2553-8	4.8	581
79	Activation of interferon regulatory factor 3 is inhibited by the influenza A virus NS1 protein. <i>Journal of Virology</i> , 2000 , 74, 7989-96	6.6	482
78	Defective TNF-alpha-induced apoptosis in STAT1-null cells due to low constitutive levels of caspases. <i>Science</i> , 1997 , 278, 1630-2	33.3	446
77	STAT proteins and transcriptional responses to extracellular signals. <i>Trends in Biochemical Sciences</i> , 2000 , 25, 496-502	10.3	368
76	TYK2 and JAK2 are substrates of protein-tyrosine phosphatase 1B. <i>Journal of Biological Chemistry</i> , 2001 , 276, 47771-4	5.4	330
75	DNA binding specificity of different STAT proteins. Comparison of in vitro specificity with natural target sites. <i>Journal of Biological Chemistry</i> , 2001 , 276, 6675-88	5.4	299
74	The tumour suppressor CYLD is a negative regulator of RIG-I-mediated antiviral response. <i>EMBO Reports</i> , 2008 , 9, 930-6	6.5	249
73	STAT protein interference and suppression of cytokine signal transduction by measles virus V protein. <i>Journal of Virology</i> , 2003 , 77, 7635-44	6.6	234
72	RNA- and virus-independent inhibition of antiviral signaling by RNA helicase LGP2. <i>Journal of Virology</i> , 2006 , 80, 12332-42	6.6	228
71	Nipah virus V protein evades alpha and gamma interferons by preventing STAT1 and STAT2 activation and nuclear accumulation. <i>Journal of Virology</i> , 2002 , 76, 11476-83	6.6	226
70	Interferon-stimulated transcription and innate antiviral immunity require deacetylase activity and histone deacetylase 1. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003 , 100, 14742-7	11.5	224
69	Cooperation between STAT3 and c-jun suppresses Fas transcription. <i>Molecular Cell</i> , 2001 , 7, 517-28	17.6	207
68	The V protein of human parainfluenza virus 2 antagonizes type I interferon responses by destabilizing signal transducer and activator of transcription 2. <i>Virology</i> , 2001 , 283, 230-9	3.6	199
67	Paramyxoviruses SV5 and HPIV2 assemble STAT protein ubiquitin ligase complexes from cellular components. <i>Virology</i> , 2002 , 304, 160-6	3.6	195

66	Interacting regions in Stat3 and c-Jun that participate in cooperative transcriptional activation. <i>Molecular and Cellular Biology</i> , 1999 , 19, 7138-46	4.8	190
65	The state of the STATs: recent developments in the study of signal transduction to the nucleus. <i>Current Opinion in Cell Biology</i> , 1997 , 9, 233-9	9	173
64	The innate immune sensor LGP2 activates antiviral signaling by regulating MDA5-RNA interaction and filament assembly. <i>Molecular Cell</i> , 2014 , 55, 771-81	17.6	168
63	STAT3 ubiquitylation and degradation by mumps virus suppress cytokine and oncogene signaling. <i>Journal of Virology</i> , 2003 , 77, 6385-93	6.6	154
62	Weapons of STAT destruction. Interferon evasion by paramyxovirus V protein. <i>FEBS Journal</i> , 2004 , 271, 4621-8		138
61	Transcriptional regulation by STAT1 and STAT2 in the interferon JAK-STAT pathway. <i>Jak-stat</i> , 2013 , 2, e23931		136
60	Hendra virus V protein inhibits interferon signaling by preventing STAT1 and STAT2 nuclear accumulation. <i>Journal of Virology</i> , 2003 , 77, 11842-5	6.6	128
59	Regulation of signal transduction by enzymatically inactive antiviral RNA helicase proteins MDA5, RIG-I, and LGP2. <i>Journal of Biological Chemistry</i> , 2009 , 284, 9700-12	5.4	126
58	Selective STAT protein degradation induced by paramyxoviruses requires both STAT1 and STAT2 but is independent of alpha/beta interferon signal transduction. <i>Journal of Virology</i> , 2002 , 76, 4190-8	6.6	126
57	A conserved role for human Nup98 in altering chromatin structure and promoting epigenetic transcriptional memory. <i>PLoS Biology</i> , 2013 , 11, e1001524	9.7	121
56	SUMO modification of STAT1 and its role in PIAS-mediated inhibition of gene activation. <i>Journal of Biological Chemistry</i> , 2003 , 278, 30091-7	5.4	121
55	Regulating immune response using polyvalent nucleic acid-gold nanoparticle conjugates. <i>Molecular Pharmaceutics</i> , 2009 , 6, 1934-40	5.6	118
54	Positive and negative regulation of the innate antiviral response and beta interferon gene expression by deacetylation. <i>Molecular and Cellular Biology</i> , 2006 , 26, 3106-13	4.8	116
53	Identification of the nuclear export signal and STAT-binding domains of the Nipah virus V protein reveals mechanisms underlying interferon evasion. <i>Journal of Virology</i> , 2004 , 78, 5358-67	6.6	116
52	Negative regulation of cytoplasmic RNA-mediated antiviral signaling. <i>Cytokine</i> , 2008 , 43, 350-8	4	104
51	Stat3-mediated transformation of NIH-3T3 cells by the constitutively active Q205L Galphao protein. <i>Science</i> , 2000 , 287, 142-4	33.3	104
50	STAT2 acts as a host range determinant for species-specific paramyxovirus interferon antagonism and simian virus 5 replication. <i>Journal of Virology</i> , 2002 , 76, 6435-41	6.6	100
49	Effects of influenza A virus NS1 protein on protein expression: the NS1 protein enhances translation and is not required for shutoff of host protein synthesis. <i>Journal of Virology</i> , 2002 , 76, 1206-12	6.6	95

48	A shared interface mediates paramyxovirus interference with antiviral RNA helicases MDA5 and LGP2. <i>Journal of Virology</i> , 2009 , 83, 7252-60	6.6	94
47	STAT2 is a primary target for measles virus V protein-mediated alpha/beta interferon signaling inhibition. <i>Journal of Virology</i> , 2008 , 82, 8330-8	6.6	94
46	Composition and assembly of STAT-targeting ubiquitin ligase complexes: paramyxovirus V protein carboxyl terminus is an oligomerization domain. <i>Journal of Virology</i> , 2005 , 79, 10180-9	6.6	94
45	Influenza A virus infection of human respiratory cells induces primary microRNA expression. <i>Journal of Biological Chemistry</i> , 2012 , 287, 31027-40	5.4	93
44	A novel role for viral-defective interfering particles in enhancing dendritic cell maturation. <i>Journal of Immunology</i> , 2006 , 177, 4503-13	5.3	82
43	MDA5 and LGP2: accomplices and antagonists of antiviral signal transduction. <i>Journal of Virology</i> , 2014 , 88, 8194-200	6.6	81
42	Silencing STATs: lessons from paramyxovirus interferon evasion. <i>Cytokine and Growth Factor Reviews</i> , 2004 , 15, 117-27	17.9	81
41	Select paramyxoviral V proteins inhibit IRF3 activation by acting as alternative substrates for inhibitor of kappaB kinase epsilon (IKKe)/TBK1. <i>Journal of Biological Chemistry</i> , 2008 , 283, 14269-76	5.4	80
40	A hybrid IRF9-STAT2 protein recapitulates interferon-stimulated gene expression and antiviral response. <i>Journal of Biological Chemistry</i> , 2003 , 278, 13033-8	5.4	76
39	LGP2 synergy with MDA5 in RLR-mediated RNA recognition and antiviral signaling. <i>Cytokine</i> , 2015 , 74, 198-206	4	69
38	Activation of RIG-I-like receptor signal transduction. <i>Critical Reviews in Biochemistry and Molecular Biology</i> , 2012 , 47, 194-206	8.7	66
37	ATP hydrolysis enhances RNA recognition and antiviral signal transduction by the innate immune sensor, laboratory of genetics and physiology 2 (LGP2). <i>Journal of Biological Chemistry</i> , 2013 , 288, 938-46	5.4	62
36	Role of metazoan mediator proteins in interferon-responsive transcription. <i>Molecular and Cellular Biology</i> , 2003 , 23, 620-8	4.8	62
35	Extensive cooperation of immune master regulators IRF3 and NF- κ B in RNA Pol II recruitment and pause release in human innate antiviral transcription. <i>Cell Reports</i> , 2013 , 4, 959-73	10.6	57
34	Paramyxovirus disruption of interferon signal transduction: STATus report. <i>Journal of Interferon and Cytokine Research</i> , 2009 , 29, 531-7	3.5	56
33	Host evasion by emerging paramyxoviruses: Hendra virus and Nipah virus v proteins inhibit interferon signaling. <i>Viral Immunology</i> , 2004 , 17, 210-9	1.7	56
32	Deep sequencing of HIV-1 reverse transcripts reveals the multifaceted antiviral functions of APOBEC3G. <i>Nature Microbiology</i> , 2018 , 3, 220-233	26.6	55
31	Antiviral RNA recognition and assembly by RLR family innate immune sensors. <i>Cytokine and Growth Factor Reviews</i> , 2014 , 25, 507-12	17.9	54

30	Histone deacetylases as transcriptional activators? Role reversal in inducible gene regulation. <i>Science Signaling</i> , 2005 , 2005, re11	8.8	54
29	Dissociation of paramyxovirus interferon evasion activities: universal and virus-specific requirements for conserved V protein amino acids in MDA5 interference. <i>Journal of Virology</i> , 2010 , 84, 11152-63	6.6	53
28	Carbonyl- and sulfur-containing analogs of suberoylanilide hydroxamic acid: Potent inhibition of histone deacetylases. <i>Bioorganic and Medicinal Chemistry</i> , 2006 , 14, 3320-9	3.4	42
27	Bioinformatic analysis reveals a pattern of STAT3-associated gene expression specific to basal-like breast cancers in human tumors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 12787-92	11.5	41
26	Measles virus V protein inhibits p53 family member p73. <i>Journal of Virology</i> , 2006 , 80, 5644-50	6.6	38
25	Small RNA profiling of influenza A virus-infected cells identifies miR-449b as a regulator of histone deacetylase 1 and interferon beta. <i>PLoS ONE</i> , 2013 , 8, e76560	3.7	36
24	Impaired cellular responses to cytosolic DNA or infection with <i>Listeria monocytogenes</i> and vaccinia virus in the absence of the murine LGP2 protein. <i>PLoS ONE</i> , 2011 , 6, e18842	3.7	32
23	Paramyxovirus V protein interaction with the antiviral sensor LGP2 disrupts MDA5 signaling enhancement but is not relevant to LGP2-mediated RLR signaling inhibition. <i>Journal of Virology</i> , 2014 , 88, 8180-8	6.6	31
22	Henipavirus V protein association with Polo-like kinase reveals functional overlap with STAT1 binding and interferon evasion. <i>Journal of Virology</i> , 2008 , 82, 6259-71	6.6	29
21	RNA sensor LGP2 inhibits TRAF ubiquitin ligase to negatively regulate innate immune signaling. <i>EMBO Reports</i> , 2018 , 19,	6.5	28
20	Amino acid requirements for MDA5 and LGP2 recognition by paramyxovirus V proteins: a single arginine distinguishes MDA5 from RIG-I. <i>Journal of Virology</i> , 2013 , 87, 2974-8	6.6	26
19	MicroRNA profiling of Sendai virus-infected A549 cells identifies miR-203 as an interferon-inducible regulator of IFIT1/ISG56. <i>Journal of Virology</i> , 2013 , 87, 9260-70	6.6	25
18	Pan-cancer analysis of TCGA data reveals notable signaling pathways. <i>BMC Cancer</i> , 2015 , 15, 516	4.8	23
17	Histone H2A.Z Suppression of Interferon-Stimulated Transcription and Antiviral Immunity Is Modulated by GCN5 and BRD2. <i>IScience</i> , 2018 , 6, 68-82	6.1	22
16	A point mutation, E95D, in the mumps virus V protein disengages STAT3 targeting from STAT1 targeting. <i>Journal of Virology</i> , 2009 , 83, 6347-56	6.6	22
15	Transcriptional and chromatin regulation in interferon and innate antiviral gene expression. <i>Cytokine and Growth Factor Reviews</i> , 2018 , 44, 11-17	17.9	21
14	Mechanisms of Type I interferon cell signaling and STAT-mediated transcriptional responses. <i>Mount Sinai Journal of Medicine</i> , 2002 , 69, 156-68		20
13	The TAR-RNA binding protein is required for immunoresponses triggered by Cardiovirus infection. <i>Biochemical and Biophysical Research Communications</i> , 2016 , 480, 187-193	3.4	19

12	Enabled interferon signaling evasion in an immune-competent transgenic mouse model of parainfluenza virus 5 infection. <i>Virology</i> , 2008 , 371, 196-205	3.6	19
11	Unexpected roles for deacetylation in interferon- and cytokine-induced transcription. <i>Journal of Interferon and Cytokine Research</i> , 2005 , 25, 745-8	3.5	19
10	RNA Helicase LGP2 Negatively Regulates RIG-I Signaling by Preventing TRIM25-Mediated Caspase Activation and Recruitment Domain Ubiquitination. <i>Journal of Interferon and Cytokine Research</i> , 2019 , 39, 669-683	3.5	14
9	High-density nucleosome occupancy map of human chromosome 9p21-22 reveals chromatin organization of the type I interferon gene cluster. <i>Journal of Interferon and Cytokine Research</i> , 2014 , 34, 676-85	3.5	11
8	IFN- β -Inducible antiviral responses require ULK1-mediated activation of MLK3 and ERK5. <i>Science Signaling</i> , 2018 , 11,	8.8	7
7	Constitutively Active MDA5 Proteins Are Inhibited by Paramyxovirus V Proteins. <i>Journal of Interferon and Cytokine Research</i> , 2018 , 38, 319-332	3.5	5
6	The Human STAT2 Coiled-Coil Domain Contains a Degron for Zika Virus Interferon Evasion. <i>Journal of Virology</i> , 2021 , JVI0130121	6.6	3
5	Sendai Virus Infection Induces Expression of Novel RNAs in Human Cells. <i>Scientific Reports</i> , 2018 , 8, 16814	5.9	2
4	The Human STAT2 Coiled-Coil Domain Contains a Degron for Zika Virus Interferon Evasion		1
3	Immune regulator LGP2 targets Ubc13/UBE2N to mediate widespread interference with K63 polyubiquitination and NF- κ B activation.. <i>Cell Reports</i> , 2021 , 37, 110175	10.6	0
2	A serpin takes a bite out of the flu. <i>Cell Host and Microbe</i> , 2015 , 17, 283-284	23.4	
1	Activation and Inhibition of JAK-STAT Signal Transduction by RNA Viruses 2012 , 371-385		