

Massimo Gadina

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.

103
papers

12,970
citations

49
h-index

113
g-index

115
ext. papers

15,899
ext. citations

14.2
avg, IF

6.23
L-index

#	Paper	IF	Citations
103	Germline mutations in the extracellular domains of the 55 kDa TNF receptor, TNFR1, define a family of dominantly inherited autoinflammatory syndromes. <i>Cell</i> , 1999 , 97, 133-44	56.2	1008
102	Cytokine signaling in 2002: new surprises in the Jak/Stat pathway. <i>Cell</i> , 2002 , 109 Suppl, S121-31	56.2	850
101	Activated STING in a vascular and pulmonary syndrome. <i>New England Journal of Medicine</i> , 2014 , 371, 507-518	59.2	757
100	An autoinflammatory disease with deficiency of the interleukin-1-receptor antagonist. <i>New England Journal of Medicine</i> , 2009 , 360, 2426-37	59.2	726
99	The JAK-STAT pathway: impact on human disease and therapeutic intervention. <i>Annual Review of Medicine</i> , 2015 , 66, 311-28	17.4	713
98	Early-onset stroke and vasculopathy associated with mutations in ADA2. <i>New England Journal of Medicine</i> , 2014 , 370, 911-20	59.2	485
97	Genome-wide association study identifies variants in the MHC class I, IL10, and IL23R-IL12RB2 regions associated with Behçet's disease. <i>Nature Genetics</i> , 2010 , 42, 698-702	36.3	475
96	Modulation of innate and adaptive immune responses by tofacitinib (CP-690,550). <i>Journal of Immunology</i> , 2011 , 186, 4234-43	5.3	466
95	Critical role for STAT4 activation by type 1 interferons in the interferon-gamma response to viral infection. <i>Science</i> , 2002 , 297, 2063-6	33.3	409
94	JAK inhibition as a therapeutic strategy for immune and inflammatory diseases. <i>Nature Reviews Drug Discovery</i> , 2017 , 16, 843-862	64.1	402
93	Fyn kinase initiates complementary signals required for IgE-dependent mast cell degranulation. <i>Nature Immunology</i> , 2002 , 3, 741-8	19.1	394
92	JAK-STAT Signaling as a Target for Inflammatory and Autoimmune Diseases: Current and Future Prospects. <i>Drugs</i> , 2017 , 77, 521-546	12.1	374
91	Loss-of-function mutations in TNFAIP3 leading to A20 haploinsufficiency cause an early-onset autoinflammatory disease. <i>Nature Genetics</i> , 2016 , 48, 67-73	36.3	359
90	Type I/II cytokines, JAKs, and new strategies for treating autoimmune diseases. <i>Nature Reviews Rheumatology</i> , 2016 , 12, 25-36	8.1	347
89	Cytokines and transcription factors that regulate T helper cell differentiation: new players and new insights. <i>Journal of Clinical Immunology</i> , 2003 , 23, 147-61	5.7	270
88	JAK1/2 inhibition with baricitinib in the treatment of autoinflammatory interferonopathies. <i>Journal of Clinical Investigation</i> , 2018 , 128, 3041-3052	15.9	256
87	Super-enhancers delineate disease-associated regulatory nodes in T cells. <i>Nature</i> , 2015 , 520, 558-62	50.4	247

86	Inhibition of Th1 immune response by glucocorticoids: dexamethasone selectively inhibits IL-12-induced Stat4 phosphorylation in T lymphocytes. <i>Journal of Immunology</i> , 2000 , 164, 1768-74	5.3	196
85	Additive loss-of-function proteasome subunit mutations in CANDLE/PRAAS patients promote type I IFN production. <i>Journal of Clinical Investigation</i> , 2015 , 125, 4196-211	15.9	181
84	Signaling by type I and II cytokine receptors: ten years after. <i>Current Opinion in Immunology</i> , 2001 , 13, 363-73	7.8	165
83	Somatic Mutations in and Severe Adult-Onset Autoinflammatory Disease. <i>New England Journal of Medicine</i> , 2020 , 383, 2628-2638	59.2	160
82	Inducible expression of Stat4 in dendritic cells and macrophages and its critical role in innate and adaptive immune responses. <i>Journal of Immunology</i> , 2001 , 166, 4446-55	5.3	150
81	Biallelic hypomorphic mutations in a linear deubiquitinase define otulipenia, an early-onset autoinflammatory disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 10127-32	11.5	150
80	STAT4 serine phosphorylation is critical for IL-12-induced IFN-gamma production but not for cell proliferation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002 , 99, 12281-6	11.5	149
79	Respiratory syncytial virus NS1 protein degrades STAT2 by using the Elongin-Cullin E3 ligase. <i>Journal of Virology</i> , 2007 , 81, 3428-36	6.6	138
78	IL-12 receptor beta 2 (IL-12R beta 2)-deficient mice are defective in IL-12-mediated signaling despite the presence of high affinity IL-12 binding sites. <i>Journal of Immunology</i> , 2000 , 165, 6221-8	5.3	137
77	Tofacitinib Ameliorates Murine Lupus and Its Associated Vascular Dysfunction. <i>Arthritis and Rheumatology</i> , 2017 , 69, 148-160	9.5	131
76	Mammary tumors in mice conditionally mutant for Brca1 exhibit gross genomic instability and centrosome amplification yet display a recurring distribution of genomic imbalances that is similar to human breast cancer. <i>Oncogene</i> , 2002 , 21, 5097-107	9.2	122
75	Unexpected effects of FERM domain mutations on catalytic activity of Jak3: structural implication for Janus kinases. <i>Molecular Cell</i> , 2001 , 8, 959-69	17.6	120
74	Type 2 immunity in the skin and lungs. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2020 , 75, 1582-1605	9.3	111
73	Mutations that prevent caspase cleavage of RIPK1 cause autoinflammatory disease. <i>Nature</i> , 2020 , 577, 103-108	50.4	110
72	Jakpot! New small molecules in autoimmune and inflammatory diseases. <i>Experimental Dermatology</i> , 2014 , 23, 7-11	4	91
71	Dense genotyping of immune-related loci implicates host responses to microbial exposure in Behçet disease susceptibility. <i>Nature Genetics</i> , 2017 , 49, 438-443	36.3	89
70	G(i)-protein-dependent inhibition of IL-12 production is mediated by activation of the phosphatidylinositol 3-kinase-protein 3 kinase B/Akt pathway and JNK. <i>Journal of Immunology</i> , 2005 , 175, 2994-9	5.3	89
69	Whole Chromosome Instability induces senescence and promotes SASP. <i>Scientific Reports</i> , 2016 , 6, 35218.9	18.9	77

68	Translational and clinical advances in JAK-STAT biology: The present and future of jakinibs. <i>Journal of Leukocyte Biology</i> , 2018 , 104, 499-514	6.5	77
67	A novel mutation of IL1RN in the deficiency of interleukin-1 receptor antagonist syndrome: description of two unrelated cases from Brazil. <i>Arthritis and Rheumatism</i> , 2011 , 63, 4007-17		77
66	A study of the intracellular routing of cytotoxic ribonucleases. <i>Journal of Biological Chemistry</i> , 1995 , 270, 17476-81	5.4	75
65	The Docking Molecule Gab2 Is Induced by Lymphocyte Activation and Is Involved in Signaling by Interleukin-2 and Interleukin-15 but Not Other Common γ Chain-using Cytokines. <i>Journal of Biological Chemistry</i> , 2000 , 275, 26959-26966	5.4	74
64	Cytokines and their role in lymphoid development, differentiation and homeostasis. <i>Current Opinion in Allergy and Clinical Immunology</i> , 2002 , 2, 495-506	3.3	73
63	Janus kinases to jakinibs: from basic insights to clinical practice. <i>Rheumatology</i> , 2019 , 58, i4-i16	3.9	72
62	Development of a Validated Interferon Score Using NanoString Technology. <i>Journal of Interferon and Cytokine Research</i> , 2018 , 38, 171-185	3.5	69
61	HiJAKing SARS-CoV-2? The potential role of JAK inhibitors in the management of COVID-19. <i>Science Immunology</i> , 2020 , 5,	2.8	66
60	USP17 regulates Ras activation and cell proliferation by blocking RCE1 activity. <i>Journal of Biological Chemistry</i> , 2009 , 284, 9587-95	5.4	65
59	The arrival of JAK inhibitors: advancing the treatment of immune and hematologic disorders. <i>BioDrugs</i> , 2013 , 27, 431-8	7.9	61
58	Pharmacokinetics, Pharmacodynamics, and Proposed Dosing of the Oral JAK1 and JAK2 Inhibitor Baricitinib in Pediatric and Young Adult CANDLE and SAVI Patients. <i>Clinical Pharmacology and Therapeutics</i> , 2018 , 104, 364-373	6.1	57
57	Cytokine regulation of IL-12 receptor beta2 expression: differential effects on human T and NK cells. <i>European Journal of Immunology</i> , 2000 , 30, 1364-74	6.1	54
56	Small molecules to the rescue: Inhibition of cytokine signaling in immune-mediated diseases. <i>Journal of Autoimmunity</i> , 2017 , 85, 20-31	15.5	49
55	Reversal of CD8 T-cell-mediated mucocutaneous graft-versus-host-like disease by the JAK inhibitor tofacitinib. <i>Journal of Investigative Dermatology</i> , 2014 , 134, 992-1000	4.3	49
54	Kinase inhibitors in the treatment of immune-mediated disease. <i>F1000 Medicine Reports</i> , 2012 , 4, 5		48
53	Differential sensitivity of in vivo TNF and IL-6 production to modulation by anti-inflammatory drugs in mice. <i>International Journal of Immunopharmacology</i> , 1992 , 14, 1045-50		45
52	Viral FLIP impairs survival of activated T cells and generation of CD8+ T cell memory. <i>Journal of Immunology</i> , 2004 , 172, 6313-23	5.3	43
51	Selective Janus kinase inhibitors come of age. <i>Nature Reviews Rheumatology</i> , 2019 , 15, 74-75	8.1	40

50	Aberrant tRNA processing causes an autoinflammatory syndrome responsive to TNF inhibitors. <i>Annals of the Rheumatic Diseases</i> , 2018 , 77, 612-619	2.4	37
49	CXCL12 signaling is independent of Jak2 and Jak3. <i>Journal of Biological Chemistry</i> , 2005 , 280, 17408-14	5.4	37
48	Cybr, a cytokine-inducible protein that binds cytohesin-1 and regulates its activity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002 , 99, 2625-9	11.5	36
47	Targeting cytokine signaling in autoimmunity: back to the future and beyond. <i>Current Opinion in Immunology</i> , 2016 , 43, 89-97	7.8	35
46	Hierarchy of protein tyrosine kinases in interleukin-2 (IL-2) signaling: activation of syk depends on Jak3; however, neither Syk nor Lck is required for IL-2-mediated STAT activation. <i>Molecular and Cellular Biology</i> , 2000 , 20, 4371-80	4.8	35
45	Cytokine signaling: birth of a pathway. <i>Journal of Immunology</i> , 2011 , 187, 5475-8	5.3	34
44	JAK/STAT signaling in regulation of innate lymphoid cells: The gods before the guardians. <i>Immunological Reviews</i> , 2018 , 286, 148-159	11.3	34
43	Cerebrospinal Fluid Cytokines Correlate With Aseptic Meningitis and Blood-Brain Barrier Function in Neonatal-Onset Multisystem Inflammatory Disease: Central Nervous System Biomarkers in Neonatal-Onset Multisystem Inflammatory Disease Correlate With Central Nervous System Inflammation. <i>Arthritis and Rheumatology</i> , 2017 , 69, 1325-1336	9.5	31
42	Second Case of HOIP Deficiency Expands Clinical Features and Defines Inflammatory Transcriptome Regulated by LUBAC. <i>Frontiers in Immunology</i> , 2019 , 10, 479	8.4	31
41	Role of cytokines in cancer cachexia in a murine model of intracerebral injection of human tumours. <i>Cytokine</i> , 2001 , 15, 27-38	4	28
40	Cytokines and Cytokine Receptors 2019 , 127-155.e1		24
39	Somatic Mutations in UBA1 Define a Distinct Subset of Relapsing Polychondritis Patients With VEXAS. <i>Arthritis and Rheumatology</i> , 2021 , 73, 1886-1895	9.5	24
38	Janus kinases: an ideal target for the treatment of autoimmune diseases. <i>Journal of Investigative Dermatology Symposium Proceedings</i> , 2013 , 16, S70-2	1.1	23
37	Brief Report: Deficiency of Complement 1r Subcomponent in Early-Onset Systemic Lupus Erythematosus: The Role of Disease-Modifying Alleles in a Monogenic Disease. <i>Arthritis and Rheumatology</i> , 2017 , 69, 1832-1839	9.5	22
36	SnapShot: Jak-STAT Signaling II. <i>Cell</i> , 2020 , 181, 1696-1696.e1	56.2	19
35	Phase 1 double-blind randomized safety trial of the Janus kinase inhibitor tofacitinib in systemic lupus erythematosus. <i>Nature Communications</i> , 2021 , 12, 3391	17.4	19
34	Janus kinase (JAK) inhibition with baricitinib in refractory juvenile dermatomyositis. <i>Annals of the Rheumatic Diseases</i> , 2020 ,	2.4	19
33	Cytohesin binder and regulator (cybr) is not essential for T- and dendritic-cell activation and differentiation. <i>Molecular and Cellular Biology</i> , 2006 , 26, 6623-32	4.8	17

32	Expression of interferon-regulated genes in juvenile dermatomyositis versus Mendelian autoinflammatory interferonopathies. <i>Arthritis Research and Therapy</i> , 2020 , 22, 69	5.7	17
31	JAK inhibitors: Ten years after. <i>European Journal of Immunology</i> , 2021 , 51, 1615-1627	6.1	13
30	Translating JAKs to Jakinibs. <i>Journal of Immunology</i> , 2020 , 204, 2011-2020	5.3	13
29	Cytohesin binder and regulator augments T cell receptor-induced nuclear factor of activated T Cells.AP-1 activation through regulation of the JNK pathway. <i>Journal of Biological Chemistry</i> , 2006 , 281, 19985-94	5.4	12
28	Preclinical evaluation of the ribosome-inactivating proteins PAP-1, PAP-S and RTA in mice. <i>International Journal of Immunopharmacology</i> , 1995 , 17, 829-39		12
27	Advances in kinase inhibition: treating rheumatic diseases and beyond. <i>Current Opinion in Rheumatology</i> , 2014 , 26, 237-43	5.3	11
26	New interleukins: are there any more?. <i>Current Opinion in Infectious Diseases</i> , 2003 , 16, 211-7	5.4	11
25	Tofacitinib enhances delivery of antibody-based therapeutics to tumor cells through modulation of inflammatory cells. <i>JCI Insight</i> , 2019 , 4,	9.9	11
24	Germline gain-of-function myeloid differentiation primary response gene-88 (MYD88) mutation in a child with severe arthritis. <i>Journal of Allergy and Clinical Immunology</i> , 2018 , 141, 1943-1947.e9	11.5	9
23	HiJAKing Innate Lymphoid Cells?. <i>Frontiers in Immunology</i> , 2017 , 8, 438	8.4	9
22	A Decade of JAK Inhibitors: What Have We Learned and What May Be the Future?. <i>Arthritis and Rheumatology</i> , 2021 , 73, 2166-2178	9.5	9
21	3-hydroxy-L-kynurenamine is an immunomodulatory biogenic amine. <i>Nature Communications</i> , 2021 , 12, 4447	17.4	9
20	Ubiquitination for activation: new directions in the NF-kappaB roadmap. <i>Molecular Interventions: Pharmacological Perspectives From Biology, Chemistry and Genomics</i> , 2004 , 4, 144-6		9
19	Generation and differentiation of induced pluripotent stem cells reveal ankylosing spondylitis risk gene expression in bone progenitors. <i>Clinical Rheumatology</i> , 2017 , 36, 143-154	3.9	8
18	Immunodeficiency is a tough nut to CRAC: the importance of calcium flux in T cell activation. <i>Molecular Interventions: Pharmacological Perspectives From Biology, Chemistry and Genomics</i> , 2006 , 6, 253-6		8
17	EAACI Biologicals Guidelines-dupilumab for children and adults with moderate-to-severe atopic dermatitis. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2021 , 76, 988-1009	9.3	7
16	183 A phase 1B/2A trial of tofacitinib, an oral janus kinase inhibitor, in systemic lupus erythematosus 2019 ,		7
15	Tofacitinib inhibits the development of experimental autoimmune uveitis and reduces the proportions of Th1 but not of Th17 cells. <i>Molecular Vision</i> , 2020 , 26, 641-651	2.3	6

14	Granzyme A and CD160 expression delineates ILC1 with graded functions in the mouse liver. <i>European Journal of Immunology</i> , 2021 , 51, 2568-2575	6.1	6
13	JAK-STAT signaling in human disease: From genetic syndromes to clinical inhibition. <i>Journal of Allergy and Clinical Immunology</i> , 2021 , 148, 911-925	11.5	5
12	Cytokines and cytokine receptors 2013 , 108-135		5
11	Pleiotropic consequences of metabolic stress for the major histocompatibility complex class II molecule antigen processing and presentation machinery. <i>Immunity</i> , 2021 , 54, 721-736.e10	32.3	5
10	JAK Inhibition Differentially Affects NK Cell and ILC1 Homeostasis. <i>Frontiers in Immunology</i> , 2019 , 10, 2972	8.4	5
9	Transcriptional, Epigenetic and Pharmacological Control of JAK/STAT Pathway in NK Cells. <i>Frontiers in Immunology</i> , 2019 , 10, 2456	8.4	4
8	A173: Cerebrospinal Fluid Cytokines Correlate With Innate Immune Cells in Neonatal Onset Multisystem Inflammatory Disease (NOMID) Patients in Clinical Remission Treated With Anakinra. <i>Arthritis and Rheumatology</i> , 2014 , 66, S226-S226	9.5	4
7	Accurate and simple measurement of the pro-inflammatory cytokine IL-1 β using a whole blood stimulation assay. <i>Journal of Visualized Experiments</i> , 2011 ,	1.6	4
6	Immune modulation: Turncoat regulatory T cells. <i>Nature Medicine</i> , 2009 , 15, 1365	50.5	4
5	High throughput pSTAT signaling profiling by fluorescent cell barcoding and computational analysis. <i>Journal of Immunological Methods</i> , 2020 , 477, 112667	2.5	3
4	Homozygous variant p. Arg90His in NCF1 is associated with early-onset Interferonopathy: a case report. <i>Pediatric Rheumatology</i> , 2021 , 19, 54	3.5	3
3	JAK1: Number one in the family; number one in inflammation?. <i>Rheumatology</i> , 2021 , 60, ii3-ii10	3.9	3
2	Jakinibs of All Trades: Inhibiting Cytokine Signaling in Immune-Mediated Pathologies.. <i>Pharmaceuticals</i> , 2021 , 15,	5.2	2
1	Protein Kinase Antagonists in Therapy of Immunological and Inflammatory Diseases 2019 , 1185-1196.e1		1