Douglas J Hilton

List of Publications by Year
in descending order

206 papers	26,643 citations	6592 79 h-index	6113 159 g-index
216 all docs	216 docs citations	216 times ranked	23696 citing authors

#	Article	IF	Citations
1	A family of cytokine-inducible inhibitors of signalling. Nature, 1997, 387, 917-921.	13.7	1,947
2	Myeloid leukaemia inhibitory factor maintains the developmental potential of embryonic stem cells. Nature, 1988, 336, 684-687.	13.7	1,871
3	The Pseudokinase MLKL Mediates Necroptosis via a Molecular Switch Mechanism. Immunity, 2013, 39, 443-453.	6.6	958
4	SOCS3 negatively regulates IL-6 signaling in vivo. Nature Immunology, 2003, 4, 540-545.	7.0	743
5	SOCS Proteins: Negative Regulators of Cytokine Signaling. Stem Cells, 2001, 19, 378-387.	1.4	722
6	SOCS1 Is a Critical Inhibitor of Interferon Î³ Signaling and Prevents the Potentially Fatal Neonatal Actions of this Cytokine. Cell, 1999, 98, 597-608.	13.5	715
7	Twenty proteins containing a C-terminal SOCS box form five structural classes. Proceedings of the National Academy of Sciences of the United States of America, 1998, 95, 114-119.	3.3	674
8	Leptin can induce proliferation, differentiation, and functional activation of hemopoietic cells. Proceedings of the National Academy of Sciences of the United States of America, 1996, 93, 14564-14568.	3.3	669
9	TheRole ofSuppressors ofCytokineSignaling(SOCS) Proteins inRegulation of theImmuneResponse. Annual Review of Immunology, 2004, 22, 503-529.	9.5	668
10	The conserved SOCS box motif in suppressors of cytokine signaling binds to elongins B and C and may couple bound proteins to proteasomal degradation. Proceedings of the National Academy of Sciences of the United States of America, 1999, 96, 2071-2076.	3.3	581
11	Suppressor of cytokine signaling 1 negatively regulates Toll-like receptor signaling by mediating Mal degradation. Nature Immunology, 2006, 7, 148-155.	7.0	468
12	Gigantism in mice lacking suppressor of cytokine signalling-2. Nature, 2000, 405, 1069-1073.	13.7	447
13	Suppressor of cytokine signaling-3 preferentially binds to the SHP-2-binding site on the shared cytokine receptor subunit gp130. Proceedings of the National Academy of Sciences of the United States of America, 2000, 97, 6493-6498.	3.3	426
14	Cloning and characterization of a binding subunit of the interleukin 13 receptor that is also a component of the interleukin 4 receptor.. Proceedings of the National Academy of Sciences of the United States of America, 1996, 93, 497-501.	3.3	397
15	Liver degeneration and lymphoid deficiencies in mice lacking suppressor of cytokine signaling-1. Proceedings of the National Academy of Sciences of the United States of America, 1998, 95, 14395-14399.	3.3	394
16	The SOCS box: a tale of destruction and degradation. Trends in Biochemical Sciences, 2002, 27, 235-241.	3.7	394
17	Mutational analyses of the SOCS proteins suggest a dual domain requirement but distinct mechanisms for inhibition of LIF and IL-6 signal transduction. EMBO Journal, 1999, 18, 375-385.	3.5	393
18	SOCS-3 Is an Insulin-induced Negative Regulator of Insulin Signaling. Journal of Biological Chemistry, 2000, 275, 15985-15991.	1.6	385

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19	Inhibitors of Cytokine Signal Transduction. Journal of Biological Chemistry, 2004, 279, 821-824.	1.6	370
20	SOCS-3 Inhibits Insulin Signaling and Is Up-regulated in Response to Tumor Necrosis Factor-Î± in the Adipose Tissue of Obese Mice. Journal of Biological Chemistry, 2001, 276, 47944-47949.	1.6	367
21	SmcHD1, containing a structural-maintenance-of-chromosomes hinge domain, has a critical role in X inactivation. Nature Genetics, 2008, 40, 663-669.	9.4	305
22	Placental defects and embryonic lethality in mice lacking suppressor of cytokine signaling 3. Proceedings of the National Academy of Sciences of the United States of America, 2001, 98, 9324-9329.	3.3	288
23	Growth Hormone Preferentially Induces the Rapid, Transient Expression of SOCS-3, a Novel Inhibitor of Cytokine Receptor Signaling. Journal of Biological Chemistry, 1998, 273, 1285-1287.	1.6	283
24	SOCS3 Is a Critical Physiological Negative Regulator of G-CSF Signaling and Emergency Granulopoiesis. Immunity, 2004, 20, 153-165.	6.6	257
25	NLRP1 Inflammasome Activation Induces Pyroptosis of Hematopoietic Progenitor Cells. Immunity, 2012, 37, 1009-1023.	6.6	257
26	ChIP-seq analysis reveals distinct H3K27me3 profiles that correlate with transcriptional activity. Nucleic Acids Research, 2011, 39, 7415-7427.	6.5	250
27	Negative regulation of the JAK/STAT pathway. BioEssays, 1999, 21, 47-52.	1.2	243
28	Suppressor of cytokine signaling 1 regulates the immune response to infection by a unique inhibition of type I interferon activity. Nature Immunology, 2006, 7, 33-39.	7.0	243
29	The transcription factor Erg is essential for definitive hematopoiesis and the function of adult hematopoietic stem cells. Nature Immunology, 2008, 9, 810-819.	7.0	232
30	Regulation of Jak2 through the Ubiquitin-Proteasome Pathway Involves Phosphorylation of Jak2 on Y1007 and Interaction with SOCS-1. Molecular and Cellular Biology, 2002, 22, 3316-3326.	1.1	226
31	LIF: lots of interesting functions. Trends in Biochemical Sciences, 1992, 17, 72-76.	3.7	219
32	The role of gp130-mediated signals in osteoclast development: regulation of interleukin 11 production by osteoblasts and distribution of its receptor in bone marrow cultures.. Journal of Experimental Medicine, 1996, 183, 2581-2591.	4.2	197
33	Negative regulators of cytokine signal transduction. Cellular and Molecular Life Sciences, 1999, 55, 1568-1577.	2.4	197
34	General Nature of the STAT3-Activated Anti-Inflammatory Response. Journal of Immunology, 2006, 177, 7880-7888.	0.4	197
35	Signaling by Type I and II cytokine receptors: ten years after. Current Opinion in Immunology, 2001, 13, 363-373.	2.4	192
36	Molecular cloning and expression of the human homologue of the murine gene encoding myeloid leukemia-inhibitory factor.. Proceedings of the National Academy of Sciences of the United States of America, 1988, 85, 2623-2627.	3.3	189

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37	SOCS2 negatively regulates growth hormone action in vitro and in vivo. Journal of Clinical Investigation, 2005, 115, 397-406.	3.9	188
38	Mechanism of Inhibition of Growth Hormone Receptor Signaling by Suppressor of Cytokine Signaling Proteins. Molecular Endocrinology, 1999, 13, 1832-1843.	3.7	182
39	From The Cover: Suppressor screen in Mpl-/- mice: c-Myb mutation causes supraphysiological production of platelets in the absence of thrombopoietin signaling. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 6553-6558.	3.3	178
40	Leukemia inhibitory factor: A biological perspective. Journal of Cellular Biochemistry, 1991, 46, 21-26.	1.2	172
41	Murine Cerberus Homologue mCer-1: A Candidate Anterior Patterning Molecule. Developmental Biology, 1998, 194, 135-151.	0.9	171
42	Suppression of cytokine signaling: The SOCS perspective. Cytokine and Growth Factor Reviews, 2013, 24, 241-248.	3.2	165
43	Alpha Interferon Induces Long-Lasting Refractoriness of JAK-STAT Signaling in the Mouse Liver through Induction of USP18/UBP43. Molecular and Cellular Biology, 2009, 29, 4841-4851.	1.1	160
44	Suppressor of Cytokine Signaling-1 Is a Critical Regulator of Interleukin-7-Dependent CD8+ T Cell Differentiation. Immunity, 2003, 18, 475-487.	6.6	155
45	Leukemia Inhibitory Factor: A Novel Bone-Active Cytokine*. Endocrinology, 1990, 126, 1416-1420.	1.4	153
46	Biological Evidence That SOCS-2 Can Act Either as an Enhancer or Suppressor of Growth Hormone Signaling. Journal of Biological Chemistry, 2002, 277, 40181-40184.	1.6	147
47	Growth Enhancement in Suppressor of Cytokine Signaling 2 (SOCS-2)-Deficient Mice Is Dependent on Signal Transducer and Activator of Transcription 5b (STAT5b). Molecular Endocrinology, 2002, 16, 1394-1406.	3.7	145
48	The Structure of SOCS3 Reveals the Basis of the Extended SH2 Domain Function and Identifies an Unstructured Insertion That Regulates Stability. Molecular Cell, 2006, 22, 205-216.	4.5	140
49	Purification of a murine leukemia inhibitory factor from Krebs ascites cells. Analytical Biochemistry, 1988, 173, 359-367.	1.1	139
50	The SOCS box of suppressor of cytokine signaling-1 is important for inhibition of cytokine action in vivo. Proceedings of the National Academy of Sciences of the United States of America, 2001, 98, 13261-13265.	3.3	138
51	Osteoblasts display receptors for and responses to leukemia-inhibitory factor. Journal of Cellular Physiology, 1990, 145, 110-119.	2.0	133
52	SOCS-6 Binds to Insulin Receptor Substrate 4, and Mice Lacking the SOCS-6 Gene Exhibit Mild Growth Retardation. Molecular and Cellular Biology, 2002, 22, 4567-4578.	1.1	133
53	Identification, Purification, and Characterization of a Soluble Interleukin (IL)-13-binding Protein. Journal of Biological Chemistry, 1997, 272, 9474-9480.	1.6	132
54	Specific binding of murine leukemia inhibitory factor to normal and leukemic monocytic cells.. Proceedings of the National Academy of Sciences of the United States of America, 1988, 85, 5971-5975.	3.3	127

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55	SOCS2 negatively regulates growth hormone action in vitro and in vivo. Journal of Clinical Investigation, 2005, 115, 397-406.	3.9	121
56	Polycomb Repressive Complex 2 (PRC2) Restricts Hematopoietic Stem Cell Activity. PLoS Biology, 2008, 6, e93.	2.6	118
57	Opposing roles of polycomb repressive complexes in hematopoietic stem and progenitor cells. Blood, 2010, 116, 731-739.	0.6	117
58	The SOCS proteins: a new family of negative regulators of signal transduction. Journal of Leukocyte Biology, 1998, 63, 665-668.	1.5	115
59	Suppressor of Cytokine Signaling-1 Regulates Signaling in Response to Interleukin-2 and Other Î³c-dependent Cytokines in Peripheral T Cells. Journal of Biological Chemistry, 2003, 278, 22755-22761.	1.6	113
60	Mpl expression on megakaryocytes and platelets is dispensable for thrombopoiesis but essential to prevent myeloproliferation. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 5884-5889.	3.3	112
61	The Comparative Roles of Suppressor of Cytokine Signaling-1 and -3 in the Inhibition and Desensitization of Cytokine Signaling. Journal of Biological Chemistry, 2006, 281, 11135-11143.	1.6	109
62	STAT5b mediates the GH-induced expression of SOCS-2 and SOCS-3 mRNA in the liver. Molecular and Cellular Endocrinology, 1999, 158, 111-116.	1.6	108
63	SH2 Domains from Suppressor of Cytokine Signaling-3 and Protein Tyrosine Phosphatase SHP-2 Have Similar Binding Specificitiesâ€. Biochemistry, 2002, 41, 9229-9236.	1.2	107
64	Distribution and comparison of receptors for leukemia inhibitory factor on murine hemopoietic and hepatic cells. Journal of Cellular Physiology, 1991, 146, 207-215.	2.0	106
65	Haemopedia RNA-seq: a database of gene expression during haematopoiesis in mice and humans. Nucleic Acids Research, 2019, 47, D780-D785.	6.5	104
66	c-Myb is required for progenitor cell homeostasis in colonic crypts. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 3829-3834.	3.3	102
67	Suppressors of cytokine signaling (SOCS): negative regulators of signal transduction. Journal of Leukocyte Biology, 1999, 66, 588-592.	1.5	100
68	ERG dependence distinguishes developmental control of hematopoietic stem cell maintenance from hematopoietic specification. Genes and Development, 2011, 25, 251-262.	2.7	99
69	scPipe: A flexible R/Bioconductor preprocessing pipeline for single-cell RNA-sequencing data. PLoS Computational Biology, 2018, 14, e1006361.	1.5	97
70	Polycystic kidneys and chronic inflammatory lesions are the delayed consequences of loss of the suppressor of cytokine signaling-1 (SOCS-1). Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 943-948.	3.3	96
71	Suppressor of Cytokine Signaling-1 Attenuates the Duration of Interferon Î³ Signal Transduction in Vitro and in Vivo. Journal of Biological Chemistry, 2001, 276, 22086-22089.	1.6	95
72	Negative Regulation of Interleukin-12 Signaling by Suppressor of Cytokine Signaling-1. Journal of Biological Chemistry, 2002, 277, 43735-43740.	1.6	95

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73	Saturation Mutagenesis of the WSXWS Motif of the Erythropoietin Receptor. Journal of Biological Chemistry, 1996, 271, 4699-4708.	1.6	93
74	SOCS1 deficiency results in accelerated mammary gland development and rescues lactation in prolactin receptor-deficient mice. Genes and Development, 2001, 15, 1631-1636.	2.7	93
75	SOCS: suppressors of cytokine signalling. International Journal of Biochemistry and Cell Biology, 1998, 30, 1081-1085.	1.2	92
76	Expression and function of members of the cytokine receptor superfamily on breast cancer cells. Oncogene, 1997, 14, 661-669.	2.6	91
77	Dual requirement for the ETS transcription factors Fli-1 and Erg in hematopoietic stem cells and the megakaryocyte lineage. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 13814-13819.	3.3	89
78	Haemopedia: An Expression Atlas of Murine Hematopoietic Cells. Stem Cell Reports, 2016, 7, 571-582.	2.3	88
79	Increased cell surface expression and enhanced folding in the endoplasmic reticulum of a mutant erythropoietin receptor.. Proceedings of the National Academy of Sciences of the United States of America, 1995, 92, 190-194.	3.3	87
80	The art and design of genetic screens: mouse. Nature Reviews Genetics, 2005, 6, 557-567.	7.7	87
81	Suppressor of cytokine signaling (SOCS)-5 is a potential negative regulator of epidermal growth factor signaling. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 2328-2333.	3.3	87
82	DAN is a secreted glycoprotein related to Xenopus cerberus. Mechanisms of Development, 1998, 77, 173-184.	1.7	84
83	Genome-wide binding and mechanistic analyses of Smchd1-mediated epigenetic regulation. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E3535-44.	3.3	83
84	Crystal Structure of the Entire Ectodomain of gp130. Journal of Biological Chemistry, 2010, 285, 21214-21218.	1.6	78
85	A Novel Mutation in the Nfkb2 Gene Generates an NF-ÎºB2 â€œSuper Repressorâ€• Journal of Immunology, 2007, 179, 7514-7522.	0.4	77
86	An unusual cytokine:Ig-domain interaction revealed in the crystal structure of leukemia inhibitory factor (LIF) in complex with the LIF receptor. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 12737-12742.	3.3	77
87	Thrombocytopenia and kidney disease in mice with a mutation in the C1galt1 gene. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 16442-16447.	3.3	76
88	Suckling defect in mice lacking the soluble haemopoietin receptor NR6. Current Biology, 1999, 9, 605-S1.	1.8	73
89	Agm1/Pgm3-Mediated Sugar Nucleotide Synthesis Is Essential for Hematopoiesis and Development. Molecular and Cellular Biology, 2007, 27, 5849-5859.	1.1	73
90	Tyrosine Residues in the Granulocyte Colony-stimulating Factor (G-CSF) Receptor Mediate G-CSF-induced Differentiation of Murine Myeloid Leukemic (M1) Cells. Journal of Biological Chemistry, 1996, 271, 26947-26953.	1.6	70

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91	Aberrant hematopoiesis in mice with inactivation of the gene encoding SOCS-1. Leukemia, 1999, 13, 926-934.	3.3	70
92	Suppressor of Cytokine Signaling-1 Has IFN-Î³-Independent Actions in T Cell Homeostasis. Journal of Immunology, 2003, 170, 878-886.	0.4	70
93	A Mouse Model of Harlequin Ichthyosis Delineates a Key Role for Abca12 in Lipid Homeostasis. PLoS Genetics, 2008, 4, e1000192.	1.5	70
94	Suppressors of cytokine signaling: Relevance to gastrointestinal function and disease. Gastroenterology, 2002, 123, 2064-2081.	0.6	69
95	SOCS5 Is Expressed in Primary B and T Lymphoid Cells but Is Dispensable for Lymphocyte Production and Function. Molecular and Cellular Biology, 2004, 24, 6094-6103.	1.1	67
96	The Immunoglobulin-like Module of gp130 Is Required for Signaling by Interleukin-6, but Not by Leukemia Inhibitory Factor. Journal of Biological Chemistry, 1998, 273, 22701-22707.	1.6	66
97	Cellular Processing of Murine Colony-Stimulating Factor (Multi-CSF, GM-CSF, G-CSF) Receptors by Normal Hemopoietic Cells and Cell Lines. Growth Factors, 1988, 1, 41-49.	0.5	65
98	Regulation of hematopoietic stem cells by their mature progeny. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 21689-21694.	3.3	65
99	Setdb1-mediated H3K9 methylation is enriched on the inactive X and plays a role in its epigenetic silencing. Epigenetics and Chromatin, 2016, 9, 16.	1.8	63
100	Critical roles for c-Myb in lymphoid priming and early B-cell development. Blood, 2010, 115, 2796-2805.	0.6	62
101	Leukemia Inhibitory Factor Binds with High Affinity to Preosteoblastic RCT-1 Cells and Potentiates the Retinoic Acid Induction of Alkaline Phosphatase. Endocrinology, 1990, 127, 1602-1608.	1.4	59
102	Development of hydrocephalus in mice lacking SOCS7. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 15446-15451.	3.3	57
103	Suppressor of cytokine signaling 3 regulates CD8 T-cell proliferation by inhibition of interleukins 6 and 27. Blood, 2007, 110, 2528-2536.	0.6	57
104	The SOCS box of suppressor of cytokine signaling-3 contributes to the control of G-CSF responsiveness in vivo. Blood, 2007, 110, 1466-1474.	0.6	57
105	Mutations in tropomyosin 4 underlie a rare form of human macrothrombocytopenia. Journal of Clinical Investigation, 2017, 127, 814-829.	3.9	57
106	LIF: a molecule with divergent actions on myeloid leukaemic cells and embryonic stem cells. Reproduction, Fertility and Development, 1989, 1, 281.	0.1	56
107	Hematopoietic defects in the Ts1Cje mouse model of Down syndrome. Blood, 2009, 113, 1929-1937.	0.6	56
108	Structural Analysis of the Gene Encoding the Murine Interleukin-11 Receptor Î±-Chain and a Related Locus. Journal of Biological Chemistry, 1996, 271, 13754-13761.	1.6	55

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109	Characterization of cDNA and Genomic Clones Encoding Human Myelin Oligodendrocyte Glycoprotein. Journal of Neurochemistry, 1995, 65, 309-318.	2.1	55
110	Anomalous megakaryocytopoiesis in mice with mutations in the c-Myb gene. Blood, 2005, 105, 3480-3487.	0.6	54
111	Clearance and fate of leukemia-inhibitory factor (LIF) after injection into mice. Journal of Cellular Physiology, 1991, 148, 430-439.	2.0	53
112	Insulin Induces Suppressor of Cytokine Signaling-3 Tyrosine Phosphorylation through Janus-activated Kinase. Journal of Biological Chemistry, 2001, 276, 24614-24620.	1.6	52
113	A lineage of diploid platelet-forming cells precedes polyploid megakaryocyte formation in the mouse embryo. Blood, 2014, 124, 2725-2729.	0.6	52
114	Erg is required for self-renewal of hematopoietic stem cells during stress hematopoiesis in mice. Blood, 2011, 118, 2454-2461.	0.6	51
115	Functional Analysis of Asb-1 Using Genetic Modification in Mice. Molecular and Cellular Biology, 2001, 21, 6189-6197.	1.1	50
116	A New Role for SOCS in Insulin Action. Science Signaling, 2003, 2003, pe6-pe6.	1.6	48
117	Distinct Roles for Leukemia Inhibitory Factor Receptor Î±-Chain and gp130 in Cell Type-specific Signal Transduction. Journal of Biological Chemistry, 1997, 272, 19982-19986.	1.6	47
118	Membrane budding is a major mechanism of in vivo platelet biogenesis. Journal of Experimental Medicine, 2020, 217, .	4.2	47
119	An Interleukin (IL)-13 Receptor Lacking the Cytoplasmic Domain Fails to Transduce IL-13-Induced Signals and Inhibits Responses to IL-4. Journal of Biological Chemistry, 1997, 272, 22940-22947.	1.6	45
120	Recombinant Soluble Interleukin-11 (IL-11) Receptor Î±-Chain Can Act as an IL-11 Antagonist. Blood, 1997, 90, 4403-4412.	0.6	45
121	Novel roles for erythroid Ankyrin-1 revealed through an ENU-induced null mouse mutant. Blood, 2009, 113, 3352-3362.	0.6	44
122	Cloning and characterization of the genes encoding the ankyrin repeat and SOCS box-containing proteins Asb-1, Asb-2, Asb-3 and Asb-4. Gene, 2000, 258, 31-41.	1.0	42
123	Ankyrin Repeat and Suppressors of Cytokine Signaling Box Protein Asb-9 Targets Creatine Kinase B for Degradation. Journal of Biological Chemistry, 2007, 282, 4728-4737.	1.6	42
124	Epigenetic Regulator Smchd1 Functions as a Tumor Suppressor. Cancer Research, 2013, 73, 1591-1599.	0.4	42
125	An Ethyl-Nitrosourea-Induced Point Mutation in Phex Causes Exon Skipping, X-Linked Hypophosphatemia, and Rickets. American Journal of Pathology, 2002, 161, 1925-1933.	1.9	37
126	Deficiency of 5-hydroxyisourate hydrolase causes hepatomegaly and hepatocellular carcinoma in mice. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 16625-16630.	3.3	37

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127	Differential regulation of SOCS genes in normal and transformed erythroid cells. Oncogene, 2003, 22, 3221-3230.	2.6	33
128	Identification of a Second Murine Interleukin-11 Receptor Î±-Chain Gene (IL11Ra2) with a Restricted Pattern of Expression. Genomics, 1997, 40, 387-394.	1.3	32
129	Point mutation in the gene encoding p300 suppresses thrombocytopenia in Mplâ^'/â^' mice. Blood, 2008, 112, 3148-3153.	0.6	32
130	A new extant family of primitive moths from <scp>K</scp>angaroo <scp>I</scp>sland, <scp>A</scp>ustralia, and its significance for understanding early <scp>L</scp>epidoptera evolution. Systematic Entomology, 2015, 40, 5-16.	1.7	32
131	Structural characterization of a murine myeloid leukaemia inhibitory factor. FEBS Journal, 1988, 175, 541-547.	0.2	31
132	General Classes and Functions of Four-Helix Bundle Cytokines. Advances in Protein Chemistry, 1998, 52, 1-65.	4.4	31
133	PU.1 Is Required for the Developmental Progression of Multipotent Progenitors to Common Lymphoid Progenitors. Frontiers in Immunology, 2018, 9, 1264.	2.2	30
134	Negative Regulation of Cytokine Signaling by the SOCS Proteins. Cold Spring Harbor Symposia on Quantitative Biology, 1999, 64, 397-404.	2.0	29
135	Ligand-specific utilization of the extracellular membrane-proximal region of the gp130-related signalling receptors. Biochemical Journal, 2000, 345, 25-32.	1.7	28
136	Socs3 maintains the specificity of biological responses to cytokine signals during granulocyte and macrophage differentiation. Experimental Hematology, 2008, 36, 786-798.	0.2	28
137	Synergistic effects on erythropoiesis, thrombopoiesis, and stem cell competitiveness in mice deficient in thrombopoietin and steel factor receptors. Blood, 2004, 104, 1306-1313.	0.6	27
138	Suppressor of Cytokine Signaling-2 Deficiency Induces Molecular and Metabolic Changes that Partially Overlap with Growth Hormone-Dependent Effects. Molecular Endocrinology, 2005, 19, 781-793.	3.7	27
139	Antennal scales improve signal detection efficiency in moths. Proceedings of the Royal Society B: Biological Sciences, 2018, 285, 20172832.	1.2	27
140	Polycomb repressive complex 2 (PRC2) suppresses EÎ¼-myc lymphoma. Blood, 2013, 122, 2654-2663.	0.6	26
141	The Myb-p300-CREB axis modulates intestine homeostasis, radiosensitivity and tumorigenesis. Cell Death and Disease, 2013, 4, e605-e605.	2.7	26
142	Adaptor protein SKAP55R is associated with myeloid differentiation and growth arrest. Experimental Hematology, 2000, 28, 1250-1259.	0.2	25
143	The negative regulatory roles of suppressor of cytokine signaling proteins in myeloid signaling pathways. Current Opinion in Hematology, 2007, 14, 9-15.	1.2	25
144	Mouse prenatal platelet-forming lineages share a core transcriptional program but divergent dependence on MPL. Blood, 2015, 126, 807-816.	0.6	24

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145	A mutation in the translation initiation codon of Gata-1 disrupts megakaryocyte maturation and causes thrombocytopenia. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 14146-14151.	3.3	21
146	Estimating the proportion of microarray probes expressed in an RNA sample. Nucleic Acids Research, 2010, 38, 2168-2176.	6.5	21
147	An ENU-induced mouse mutant of SHIP1 reveals a critical role of the stem cell isoform for suppression of macrophage activation. Blood, 2011, 117, 5362-5371.	0.6	20
148	Molecular Cloning of Two Novel Transmembrane Ligands for Eph-Related Kinases (LERKS) that are Related to LERK-2. Growth Factors, 1996, 13, 141-149.	0.5	19
149	Proximal genomic localization of STAT1 binding and regulated transcriptional activity. BMC Genomics, 2006, 7, 254.	1.2	18
150	Regulation of multiple cytokine signalling pathways by SOCS3 is independent of SOCS2. Growth Factors, 2009, 27, 384-393.	0.5	18
151	Ligand-specific utilization of the extracellular membrane-proximal region of the gp130-related signalling receptors. Biochemical Journal, 2000, 345, 25.	1.7	17
152	Differential Ability of SOCS Proteins to Regulate IL-6 and CSF-1 Induced Macrophage Differentiation. Growth Factors, 1999, 16, 305-314.	0.5	16
153	SOCS-3 is Involved in the Downregulation of the Acute Insulin-Like Effects of Growth Hormone in Rat Adipocytes by Inhibition of Jak2/IRS-1 Signaling. Hormone and Metabolic Research, 2003, 35, 169-177.	0.7	16
154	Early Lineage Priming by Trisomy of Erg Leads to Myeloproliferation in a Down Syndrome Model. PLoS Genetics, 2015, 11, e1005211.	1.5	16
155	Epitope Tagging of the Human Endoplasmic Reticulum HSP70 Protein, BiP, to Facilitate Analysis of BiP-Substrate Interactions. Analytical Biochemistry, 1995, 229, 170-179.	1.1	15
156	A Kinase-Dead Allele of Lyn Attenuates Autoimmune Disease Normally Associated with Lyn Deficiency. Journal of Immunology, 2009, 182, 2020-2029.	0.4	15
157	MiSTIC, an integrated platform for the analysis of heterogeneity in large tumour transcriptome datasets. Nucleic Acids Research, 2017, 45, e122-e122.	6.5	14
158	The Box-1 Region of the Leukemia Inhibitory Factor Receptor Î±-Chain Cytoplasmic Domain Is Sufficient for Hemopoietic Cell Proliferation and Differentiation. Journal of Biological Chemistry, 1998, 273, 34370-34383.	1.6	13
159	Mechanism of crosstalk inhibition of IL-6 signaling in response to LPS and TNFÎ±. Growth Factors, 2007, 25, 319-328.	0.5	13
160	A preliminary molecular phylogeny of shield-bearer moths (Lepidoptera: Adeloidea: Heliozelidae) highlights rich undescribed diversity. Molecular Phylogenetics and Evolution, 2018, 120, 129-143.	1.2	13
161	Inhibition of Differentiation in a Murine F9 Embryonal Carcinoma Cell Subline by Leukemia Inhibitory Factor (LIF). Growth Factors, 1992, 7, 41-52.	0.5	12
162	A convenient method for preparation of an engineered mouse interleukin-3 analog with high solubility and wild-type bioactivity. Growth Factors, 2010, 28, 104-110.	0.5	12

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163	Tissue-Specific Induction of SOCS Gene Expression by PRL. , 0, .		12
164	Generating mouse models of retinal disease using ENU mutagenesis. Vision Research, 2002, 42, 479-485.	0.7	11
165	Reduced Lymphocyte Longevity and Homeostatic Proliferation in Lamin B Receptor-Deficient Mice Results in Profound and Progressive Lymphopenia. Journal of Immunology, 2012, 188, 122-134.	0.4	11
166	Production of a human neutralizing monoclonal antibody and its crystal structure in complex with ectodomain 3 of the interleukin-13 receptor Î±1. Biochemical Journal, 2013, 451, 165-175.	1.7	11
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