

Toshio Hirano

List of Publications by Year in descending order

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198
papers

34,870
citations

3933

88
h-index

3323

184
g-index

198
all docs

198
docs citations

198
times ranked

29394
citing authors

#	ARTICLE	IF	CITATIONS
1	Complementary DNA for a novel human interleukin (BSF-2) that induces B lymphocytes to produce immunoglobulin. <i>Nature</i> , 1986, 324, 73-76.	27.8	2,028
2	Autocrine generation and requirement of BSF-2/IL-6 for human multiple myelomas. <i>Nature</i> , 1988, 332, 83-85.	27.8	1,631
3	Interleukin-6 triggers the association of its receptor with a possible signal transducer, gp130. <i>Cell</i> , 1989, 58, 573-581.	28.9	1,387
4	Molecular cloning and expression of an IL-6 signal transducer, gp130. <i>Cell</i> , 1990, 63, 1149-1157.	28.9	1,293
5	Biology of multifunctional cytokines: IL 6 and related molecules (IL 1 and TNF). <i>FASEB Journal</i> , 1990, 4, 2860-2867.	0.5	1,204
6	Roles of STAT3 in mediating the cell growth, differentiation and survival signals relayed through the IL-6 family of cytokine receptors. <i>Oncogene</i> , 2000, 19, 2548-2556.	5.9	1,081
7	Biological and clinical aspects of interleukin 6. <i>Trends in Immunology</i> , 1990, 11, 443-449.	7.5	1,038
8	Excessive production of interleukin 6/B cell stimulatory factor-2 in rheumatoid arthritis. <i>European Journal of Immunology</i> , 1988, 18, 1797-1802.	2.9	790
9	IL-6 induces an anti-inflammatory response in the absence of SOCS3 in macrophages. <i>Nature Immunology</i> , 2003, 4, 551-556.	14.5	706
10	Interleukin 6 and its Receptor: Ten Years Later. <i>International Reviews of Immunology</i> , 1998, 16, 249-284.	3.3	696
11	IL-6 in autoimmune disease and chronic inflammatory proliferative disease. <i>Cytokine and Growth Factor Reviews</i> , 2002, 13, 357-368.	7.2	693
12	Two Signals Are Necessary for Cell Proliferation Induced by a Cytokine Receptor gp130: Involvement of STAT3 in Anti-Apoptosis. <i>Immunity</i> , 1996, 5, 449-460.	14.3	618
13	COVID-19: A New Virus, but a Familiar Receptor and Cytokine Release Syndrome. <i>Immunity</i> , 2020, 52, 731-733.	14.3	606
14	Zinc is a novel intracellular second messenger. <i>Journal of Cell Biology</i> , 2007, 177, 637-645.	5.2	518
15	IL-6 in inflammation, autoimmunity and cancer. <i>International Immunology</i> , 2021, 33, 127-148.	4.0	500
16	Interleukin-17 Promotes Autoimmunity by Triggering a Positive-Feedback Loop via Interleukin-6 Induction. <i>Immunity</i> , 2008, 29, 628-636.	14.3	493
17	How COVID-19 induces cytokine storm with high mortality. <i>Inflammation and Regeneration</i> , 2020, 40, 37.	3.7	481
18	Zinc homeostasis and signaling in health and diseases. <i>Journal of Biological Inorganic Chemistry</i> , 2011, 16, 1123-1134.	2.6	480

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19	IL-6 Regulates In Vivo Dendritic Cell Differentiation through STAT3 Activation. <i>Journal of Immunology</i> , 2004, 173, 3844-3854.	0.8	444
20	Recombinant human interleukin-6 (IL-6/BSF-2/HSF) regulates the synthesis of acute phase proteins in human hepatocytes. <i>FEBS Letters</i> , 1988, 232, 347-350.	2.8	398
21	Induction of rat acute-phase proteins by interleukin 6 in vivo. <i>European Journal of Immunology</i> , 1988, 18, 717-721.	2.9	394
22	Synergistic Roles for Pim-1 and c-Myc in STAT3-Mediated Cell Cycle Progression and Antiapoptosis. <i>Immunity</i> , 1999, 11, 709-719.	14.3	393
23	Analysis of Upstream Elements in the HuC Promoter Leads to the Establishment of Transgenic Zebrafish with Fluorescent Neurons. <i>Developmental Biology</i> , 2000, 227, 279-293.	2.0	382
24	Interleukin-6 (IL-6) functions as an in vitro autocrine growth factor in renal cell carcinomas. <i>FEBS Letters</i> , 1989, 250, 607-610.	2.8	377
25	STAT3 Is Required for the gp130-mediated Full Activation of the c-myc Gene. <i>Journal of Experimental Medicine</i> , 1999, 189, 63-73.	8.5	365
26	Signaling mechanisms through gp130: A model of the cytokine system. <i>Cytokine and Growth Factor Reviews</i> , 1997, 8, 241-252.	7.2	345
27	Zinc transporter LIV1 controls epithelial-mesenchymal transition in zebrafish gastrula organizer. <i>Nature</i> , 2004, 429, 298-302.	27.8	342
28	Pleiotropy and Specificity: Insights from the Interleukin 6 Family of Cytokines. <i>Immunity</i> , 2019, 50, 812-831.	14.3	335
29	Toll-like receptor-mediated regulation of zinc homeostasis influences dendritic cell function. <i>Nature Immunology</i> , 2006, 7, 971-977.	14.5	326
30	Essential function for the calcium sensor STIM1 in mast cell activation and anaphylactic responses. <i>Nature Immunology</i> , 2008, 9, 81-88.	14.5	312
31	Intracellular zinc homeostasis and zinc signaling. <i>Cancer Science</i> , 2008, 99, 1515-1522.	3.9	304
32	Recombinant human B cell stimulatory factor 2 (BSF-2/IFN- γ 2) regulates γ 2-fibrinogen and albumin mRNA levels in Fao-9 cells. <i>FEBS Letters</i> , 1987, 221, 18-22.	2.8	296
33	Fc μ RI-mediated mast cell degranulation requires calcium-independent microtubule-dependent translocation of granules to the plasma membrane. <i>Journal of Cell Biology</i> , 2005, 170, 115-126.	5.2	281
34	Regional Neural Activation Defines a Gateway for Autoreactive T Cells to Cross the Blood-Brain Barrier. <i>Cell</i> , 2012, 148, 447-457.	28.9	277
35	Gab1 Acts as an Adapter Molecule Linking the Cytokine Receptor gp130 to ERK Mitogen-Activated Protein Kinase. <i>Molecular and Cellular Biology</i> , 1998, 18, 4109-4117.	2.3	258
36	Action of recombinant human interleukin 6, interleukin γ 2 and tumor necrosis factor α on the mRNA induction of acute-phase proteins. <i>European Journal of Immunology</i> , 1988, 18, 739-746.	2.9	255

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37	Genes coding for RNA polymerase \hat{I}^2 subunit in bacteria. FEBS Journal, 1988, 177, 363-369.	0.2	244
38	Gab-Family Adapter Proteins Act Downstream of Cytokine and Growth Factor Receptors and T- and B-Cell Antigen Receptors. Blood, 1999, 93, 1809-1816.	1.4	241
39	Role of Gab1 in Heart, Placenta, and Skin Development and Growth Factor- and Cytokine-Induced Extracellular Signal-Regulated Kinase Mitogen-Activated Protein Kinase Activation. Molecular and Cellular Biology, 2000, 20, 3695-3704.	2.3	240
40	The Zinc Transporter SLC39A13/ZIP13 Is Required for Connective Tissue Development; Its Involvement in BMP/TGF- \hat{I}^2 Signaling Pathways. PLoS ONE, 2008, 3, e3642.	2.5	240
41	Dissection of Signaling Cascades through gp130 In Vivo. Immunity, 2000, 12, 95-105.	14.3	230
42	IL-6 \hat{I}^2 gp130 \hat{I}^2 STAT3 in T cells directs the development of IL-17+ Th with a minimum effect on that of Treg in the steady state. International Immunology, 2007, 19, 695-702.	4.0	223
43	Roles of Zinc and Zinc Signaling in Immunity: Zinc as an Intracellular Signaling Molecule. Advances in Immunology, 2008, 97, 149-176.	2.2	209
44	A Point Mutation of Tyr-759 in Interleukin 6 Family Cytokine Receptor Subunit gp130 Causes Autoimmune Arthritis. Journal of Experimental Medicine, 2002, 196, 979-990.	8.5	205
45	The diabetes-susceptible gene SLC30A8/ZnT8 regulates hepatic insulin clearance. Journal of Clinical Investigation, 2013, 123, 4513-4524.	8.2	200
46	Molecular cloning and chromosomal mapping of a bone marrow stromal cell surface gene, BST2, that may be involved in pre-B-cell growth. Genomics, 1995, 26, 527-534.	2.9	197
47	IL-6-STAT3 Controls Intracellular MHC Class II \hat{I}^2 Dimer Level through Cathepsin S Activity in Dendritic Cells. Immunity, 2005, 23, 491-502.	14.3	191
48	Zinc and its transporter ZIP10 are involved in invasive behavior of breast cancer cells. Cancer Science, 2007, 98, 692-697.	3.9	191
49	Triggering of the Human Interleukin-6 Gene by Interferon- \hat{I}^3 and Tumor Necrosis Factor- \hat{I}^2 in Monocytic Cells Involves Cooperation between Interferon Regulatory Factor-1, NF \hat{I}^B , and Sp1 Transcription Factors. Journal of Biological Chemistry, 1995, 270, 27920-27931.	3.4	190
50	Molecular Cloning and Characterization of a Surface Antigen Preferentially Overexpressed on Multiple Myeloma Cells. Biochemical and Biophysical Research Communications, 1999, 258, 583-591.	2.1	189
51	Interleukin-6 and its relation to inflammation and disease. Clinical Immunology and Immunopathology, 1992, 62, S60-S65.	2.0	184
52	Regulation of synthesis and secretion of major rat acute-phase proteins by recombinant human interleukin-6 (BSF-2/IL-6) in hepatocyte primary cultures. FEBS Journal, 1988, 173, 287-293.	0.2	183
53	Zebrafish Dkk1 Functions in Forebrain Specification and Axial Mesendoderm Formation. Developmental Biology, 2000, 217, 138-152.	2.0	178
54	Inflammation Amplifier, a New Paradigm in Cancer Biology. Cancer Research, 2014, 74, 8-14.	0.9	178

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55	The role of Gab family scaffolding adapter proteins in the signal transduction of cytokine and growth factor receptors. <i>Cancer Science</i> , 2003, 94, 1029-1033.	3.9	174
56	Involvement of STAT3 in the Granulocyte Colony-stimulating Factor-induced Differentiation of Myeloid Cells. <i>Journal of Biological Chemistry</i> , 1997, 272, 25184-25189.	3.4	172
57	Signal transduction through gp130 that is shared among the receptors for the interleukin 6 related cytokine subfamily. <i>Stem Cells</i> , 1994, 12, 262-277.	3.2	171
58	Stat3 Controls Cell Movements during Zebrafish Gastrulation. <i>Developmental Cell</i> , 2002, 2, 363-375.	7.0	171
59	Hepatic Interleukin-7 Expression Regulates T Cell Responses. <i>Immunity</i> , 2009, 30, 447-457.	14.3	163
60	Recombinant human interleukin 6 (B-cell stimulatory factor 2) is a potent inducer of differentiation of mouse myeloid leukemia cells (M1). <i>FEBS Letters</i> , 1988, 234, 17-21.	2.8	158
61	Elevation of serum interleukin 6 prior to acute phase proteins on the inflammation by surgical operation. <i>Clinical Immunology and Immunopathology</i> , 1989, 50, 399-401.	2.0	158
62	Autoimmune arthritis associated with mutated interleukin (IL)-6 receptor gp130 is driven by STAT3/IL-7 dependent homeostatic proliferation of CD4+ T cells. <i>Journal of Experimental Medicine</i> , 2006, 203, 1459-1470.	8.5	157
63	Age-associated increase in interleukin 6 in MRL/lpr mice. <i>International Immunology</i> , 1991, 3, 273-278.	4.0	156
64	Autoregulation of the Stat3 Gene through Cooperation with a cAMP-responsive Element-binding Protein. <i>Journal of Biological Chemistry</i> , 1998, 273, 6132-6138.	3.4	153
65	Purification and Characterization of Soluble Human IL-6 Receptor Expressed in CHO Cells. <i>Journal of Biochemistry</i> , 1990, 108, 673-676.	1.7	149
66	An alternative pathway for STAT activation that is mediated by the direct interaction between JAK and STAT. <i>Oncogene</i> , 1997, 14, 751-761.	5.9	148
67	ADP ribosyl cyclase activity of a novel bone marrow stromal cell surface molecule, BST-1. <i>FEBS Letters</i> , 1994, 356, 244-248.	2.8	147
68	The Zinc Transporter SLC39A14/ZIP14 Controls G-Protein Coupled Receptor-Mediated Signaling Required for Systemic Growth. <i>PLoS ONE</i> , 2011, 6, e18059.	2.5	147
69	Zinc suppresses Th17 development via inhibition of STAT3 activation. <i>International Immunology</i> , 2010, 22, 375-386.	4.0	143
70	Biochemical Characterization of Human ZIP13 Protein. <i>Journal of Biological Chemistry</i> , 2011, 286, 40255-40265.	3.4	139
71	Interleukin 6 in autoimmune and inflammatory diseases: a personal memoir. <i>Proceedings of the Japan Academy Series B: Physical and Biological Sciences</i> , 2010, 86, 717-730.	3.8	137
72	Interleukin-6 and oncostatin M-induced growth inhibition of human A375 melanoma cells is STAT-dependent and involves upregulation of the cyclin-dependent kinase inhibitor p27/Kip1. <i>Oncogene</i> , 1999, 18, 3742-3753.	5.9	130

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73	Requirement of Gab2 for mast cell development and KitL/c-Kit signaling. <i>Blood</i> , 2002, 99, 1866-1869.	1.4	125
74	Tissue-Specific Autoregulation of the <i>stat3</i> Gene and Its Role in Interleukin-6-Induced Survival Signals in T Cells. <i>Molecular and Cellular Biology</i> , 2001, 21, 6615-6625.	2.3	121
75	Zinc Is Required for Fc μ RI-Mediated Mast Cell Activation. <i>Journal of Immunology</i> , 2006, 177, 1296-1305.	0.8	118
76	Activation of Fes Tyrosine Kinase by gp130, an Interleukin-6 Family Cytokine Signal Transducer, and Their Association. <i>Journal of Biological Chemistry</i> , 1995, 270, 11037-11039.	3.4	116
77	Interleukin 6 (IL6) and its receptor: Their role in plasma cell neoplasias. <i>International Journal of Cell Cloning</i> , 1991, 9, 166-184.	1.6	110
78	Cooperative roles of Bozozok/Dharma and Nodal-related proteins in the formation of the dorsal organizer in zebrafish. <i>Mechanisms of Development</i> , 2000, 91, 293-303.	1.7	107
79	Induction of apoptosis by extracellular ubiquitin in human hematopoietic cells: possible involvement of STAT3 degradation by proteasome pathway in interleukin 6-dependent hematopoietic cells. <i>Blood</i> , 2000, 95, 2577-2585.	1.4	105
80	Studies on the structure and regulation of the human hepatic interleukin-6 receptor. <i>FEBS Journal</i> , 1990, 190, 79-83.	0.2	103
81	Effects of metabolite binding to ribulosebisphosphate carboxylase on the activity of the Calvin photosynthesis cycle. <i>FEBS Journal</i> , 1988, 177, 351-355.	0.2	102
82	Interferon- β -dependent Nuclear Import of Stat1 Is Mediated by the GTPase Activity of Ran/TC4. <i>Journal of Biological Chemistry</i> , 1996, 271, 31017-31020.	3.4	99
83	Zinc transporter <i>Znt5/Slc30a5</i> is required for the mast cell-mediated delayed-type allergic reaction but not the immediate-type reaction. <i>Journal of Experimental Medicine</i> , 2009, 206, 1351-1364.	8.5	99
84	Molecular basis of the cell specificity of cytokine action. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2002, 1592, 281-296.	4.1	98
85	Enhancement of the interleukin 2 receptor expression on T cells by multiple B-lymphotropic lymphokines. <i>Immunology Letters</i> , 1987, 15, 249-253.	2.5	96
86	Ogon/Secreted Frizzled functions as a negative feedback regulator of Bmp signaling. <i>Development (Cambridge)</i> , 2003, 130, 2705-2716.	2.5	96
87	Crystallographic studies on human BST-1/CD157 with ADP-ribosyl cyclase and NAD glycohydrolase activities. <i>Journal of Molecular Biology</i> , 2002, 316, 711-723.	4.2	95
88	Local microbleeding facilitates IL-6 and IL-17 dependent arthritis in the absence of tissue antigen recognition by activated T cells. <i>Journal of Experimental Medicine</i> , 2011, 208, 103-114.	8.5	95
89	Disease-Association Analysis of an Inflammation-Related Feedback Loop. <i>Cell Reports</i> , 2013, 3, 946-959.	6.4	90
90	Absence of antiviral activity in recombinant B cell stimulatory factor 2 (BSF-2). <i>Immunology Letters</i> , 1988, 17, 41-45.	2.5	88

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91	Engagement of Gab1 and Gab2 in Erythropoietin Signaling. <i>Journal of Biological Chemistry</i> , 1999, 274, 24469-24474.	3.4	88
92	Tec tyrosine kinase links the cytokine receptors to PI-3 kinase probably through JAK. <i>Oncogene</i> , 1997, 14, 2273-2282.	5.9	86
93	Activation of gp130 Transduces Hypertrophic Signal Through Interaction of Scaffolding/Docking Protein Gab1 With Tyrosine Phosphatase SHP2 in Cardiomyocytes. <i>Circulation Research</i> , 2003, 93, 221-229.	4.5	86
94	SHP2-mediated signaling cascade through gp130 is essential for LIF-dependent I _{CaL} , [Ca ²⁺] _i transient, and APD increase in cardiomyocytes. <i>Journal of Molecular and Cellular Cardiology</i> , 2007, 43, 710-716.	1.9	83
95	Overexpression of neurogenin induces ectopic expression of HuC in zebrafish. <i>Neuroscience Letters</i> , 1997, 239, 113-116.	2.1	81
96	Gab-Family Adapter Molecules in Signal Transduction of Cytokine and Growth Factor Receptors, and T and B Cell Antigen Receptors. <i>Leukemia and Lymphoma</i> , 2000, 37, 299-307.	1.3	81
97	Docking Protein Gab2 Is Phosphorylated by ZAP-70 and Negatively Regulates T Cell Receptor Signaling by Recruitment of Inhibitory Molecules. <i>Journal of Biological Chemistry</i> , 2001, 276, 45175-45183.	3.4	80
98	Structure-function analysis of human interleukin-6. <i>FEBS Letters</i> , 1990, 262, 323-326.	2.8	79
99	Regulation of dharma/bozozok by the Wnt Pathway. <i>Developmental Biology</i> , 2001, 231, 397-409.	2.0	79
100	Interleukin 6 and expression of its receptor on epidermal keratinocytes. <i>Cytokine</i> , 1990, 2, 381-387.	3.2	78
101	Involvement of Prolonged Ras Activation in Thrombopoietin-Induced Megakaryocytic Differentiation of a Human Factor-Dependent Hematopoietic Cell Line. <i>Molecular and Cellular Biology</i> , 1998, 18, 4282-4290.	2.3	77
102	Gab1 and SHP-2 promote Ras/MAPK regulation of epidermal growth and differentiation. <i>Journal of Cell Biology</i> , 2002, 159, 103-112.	5.2	77
103	c-Cbl-Dependent Monoubiquitination and Lysosomal Degradation of gp130. <i>Molecular and Cellular Biology</i> , 2008, 28, 4805-4818.	2.3	76
104	Regulation of Pim-1 by Hsp90. <i>Biochemical and Biophysical Research Communications</i> , 2001, 281, 663-669.	2.1	74
105	Gab1 is required for EGF receptor signaling and the transformation by activated ErbB2. <i>Oncogene</i> , 2003, 22, 1546-1556.	5.9	71
106	An essential role for RasGRP1 in mast cell function and IgE-mediated allergic response. <i>Journal of Experimental Medicine</i> , 2007, 204, 93-103.	8.5	69
107	Expression of the zinc finger gene fez-like in zebrafish forebrain. <i>Mechanisms of Development</i> , 2000, 97, 191-195.	1.7	67
108	The YXXQ motif in gp 130 is crucial for STAT3 phosphorylation at Ser727 through an H7-sensitive kinase pathway. <i>Oncogene</i> , 2001, 20, 3464-3474.	5.9	65

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109	A novel repressor-type homeobox gene, <i>ved</i> , is involved in dharma/bozozok-mediated dorsal organizer formation in zebrafish. <i>Mechanisms of Development</i> , 2002, 118, 125-138.	1.7	63
110	IL-2 In Vivo Activities and Antitumor Efficacy Enhanced by an Anti-IL-2 mAb. <i>Journal of Immunology</i> , 2006, 177, 306-314.	0.8	63
111	STAT3 Down-regulates the Expression of Cyclin D during Liver Development. <i>Journal of Biological Chemistry</i> , 2002, 277, 36167-36173.	3.4	62
112	Temporal Expression of Growth Factors Triggered by Epiregulin Regulates Inflammation Development. <i>Journal of Immunology</i> , 2015, 194, 1039-1046.	0.8	62
113	TRIF-GEFH1-RhoB pathway is involved in MHCII expression on dendritic cells that is critical for CD4 T-cell activation. <i>EMBO Journal</i> , 2006, 25, 4108-4119.	7.8	61
114	Homeostatically proliferating CD4+ T cells are involved in the pathogenesis of an Omenn syndrome murine model. <i>Journal of Clinical Investigation</i> , 2007, 117, 1270-1281.	8.2	61
115	Gab family proteins are essential for postnatal maintenance of cardiac function via neuregulin-1/ErbB signaling. <i>Journal of Clinical Investigation</i> , 2007, 117, 1771-1781.	8.2	60
116	Full Oncogenic Activities of v-Src Are Mediated by Multiple Signaling Pathways. <i>Journal of Biological Chemistry</i> , 2000, 275, 24096-24105.	3.4	59
117	IL-6 Amplifier, NF- κ B-Triggered Positive Feedback for IL-6 Signaling, in Grafts Is Involved in Allogeneic Rejection Responses. <i>Journal of Immunology</i> , 2012, 189, 1928-1936.	0.8	59
118	Gads/Grb2-Mediated Association with LAT Is Critical for the Inhibitory Function of Gab2 in T Cells. <i>Molecular and Cellular Biology</i> , 2003, 23, 2515-2529.	2.3	58
119	IL-6 positively regulates Foxp3+CD8+ T cells in vivo. <i>International Immunology</i> , 2010, 22, 129-139.	4.0	58
120	A Novel Role of the L-Type Calcium Channel α 1D Subunit as a Gatekeeper for Intracellular Zinc Signaling: Zinc Wave. <i>PLoS ONE</i> , 2012, 7, e39654.	2.5	58
121	High-Level Expression of Human BSF-2/IL-6 cDNA in <i>Escherichia coli</i> Using a New Type of Expression-Preparation System. <i>Journal of Biochemistry</i> , 1988, 104, 30-34.	1.7	57
122	STAT3 noncell-autonomously controls planar cell polarity during zebrafish convergence and extension. <i>Journal of Cell Biology</i> , 2004, 166, 975-981.	5.2	57
123	A pain-mediated neural signal induces relapse in murine autoimmune encephalomyelitis, a multiple sclerosis model. <i>ELife</i> , 2015, 4, .	6.0	57
124	The Biology of Interleukin-6 (Part 1 of 2). <i>Chemical Immunology and Allergy</i> , 1992, 51, 153-166.	1.7	55
125	Genetic evidence for involvement of maternally derived Wnt canonical signaling in dorsal determination in zebrafish. <i>Mechanisms of Development</i> , 2004, 121, 371-386.	1.7	55
126	The Pathological and Physiological Roles of IL-6 Amplifier Activation. <i>International Journal of Biological Sciences</i> , 2012, 8, 1267-1280.	6.4	55

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127	Constitutive production of interleukin 6/B cell stimulatory factor-2 from inflammatory synovium. <i>Clinical Immunology and Immunopathology</i> , 1989, 52, 238-247.	2.0	49
128	ERM, a PEA3 Subfamily of Ets Transcription Factors, Can Cooperate with c-Jun. <i>Journal of Biological Chemistry</i> , 1995, 270, 23795-23800.	3.4	49
129	GATA-1 blocks IL-6-induced macrophage differentiation and apoptosis through the sustained expression of cyclin D1 and Bcl-2 in a murine myeloid cell line M1. <i>Blood</i> , 2000, 95, 1264-1273.	1.4	49
130	Mini Review New IL-6 (gp130) Family Cytokine Members, CLC/NNT1/BSF3 and IL-27. <i>Growth Factors</i> , 2004, 22, 75-77.	1.7	48
131	Downregulation of STAT3 activation is required for presumptive rod photoreceptor cells to differentiate in the postnatal retina. <i>Molecular and Cellular Neurosciences</i> , 2004, 26, 258-270.	2.2	45
132	A Novel Oncostatin M-inducible Gene OIG37 Forms a Gene Family with MyD118 and GADD45 and Negatively Regulates Cell Growth. <i>Journal of Biological Chemistry</i> , 1999, 274, 24766-24772.	3.4	43
133	Molecular Basis Underlying Functional Pleiotropy of Cytokines and Growth Factors. <i>Biochemical and Biophysical Research Communications</i> , 1999, 260, 303-308.	2.1	43
134	Renin-angiotensin system inhibitors and the severity of coronavirus disease 2019 in Kanagawa, Japan: a retrospective cohort study. <i>Hypertension Research</i> , 2020, 43, 1257-1266.	2.7	43
135	A Four-Step Model for the IL-6 Amplifier, a Regulator of Chronic Inflammations in Tissue-Specific MHC Class II-Associated Autoimmune Diseases. <i>Frontiers in Immunology</i> , 2011, 2, 22.	4.8	42
136	A Novel Function of Stat1 and Stat3 Proteins in Erythropoietin-Induced Erythroid Differentiation of a Human Leukemia Cell Line. <i>Blood</i> , 1998, 92, 462-471.	1.4	40
137	Gab2, via PI-3K, Regulates ARF1 in FcγRI-Mediated Granule Translocation and Mast Cell Degranulation. <i>Journal of Immunology</i> , 2011, 187, 932-941.	0.8	40
138	Production of interleukin 6 and its relation to the macrophage differentiation of mouse myeloid leukemia cells (M1) treated with differentiation-inducing factor and 1,25-dihydroxyvitamin D3. <i>Biochemical and Biophysical Research Communications</i> , 1989, 158, 660-666.	2.1	39
139	Elevated levels of the soluble form of bone marrow stromal cell antigen 1 in the sera of patients with severe rheumatoid arthritis. <i>Arthritis and Rheumatism</i> , 1996, 39, 629-637.	6.7	38
140	Signal Transduction through IL-6 Receptor: Involvement of Multiple Protein Kinases, Stat Factors, and a Novel H7-sensitive Pathway. <i>Annals of the New York Academy of Sciences</i> , 1995, 762, 55-70.	3.8	38
141	IL-6 amplifier activation in epithelial regions of bronchi after allogeneic lung transplantation. <i>International Immunology</i> , 2013, 25, 319-332.	4.0	38
142	Both Stat3-Activation and Stat3-Independent BCL2 Downregulation Are Important for Interleukin-6-Induced Apoptosis of 1A9-M Cells. <i>Blood</i> , 1999, 93, 1346-1354.	1.4	37
143	Continuous perfusion with interleukin 6 (IL-6) enhances production of hematopoietic stem cells (CFU-S). <i>Biochemical and Biophysical Research Communications</i> , 1989, 159, 933-938.	2.1	36
144	Association of Stat3-Dependent Transcriptional Activation of p19INK4D with IL-6-Induced Growth Arrest. <i>Biochemical and Biophysical Research Communications</i> , 1997, 238, 764-768.	2.1	36

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145	Recombinant human interleukin 6 (rhIL-6) promotes the terminal differentiation of in vivo-activated human B cells into antibody-secreting cells. <i>Cellular Immunology</i> , 1991, 132, 423-432.	3.0	35
146	Gab1 Contributes to Cytoskeletal Reorganization and Chemotaxis in Response to Platelet-derived Growth Factor. <i>Journal of Biological Chemistry</i> , 2004, 279, 17897-17904.	3.4	35
147	BSF-2/IL-6 does not augment Ig secretion but stimulates proliferation in myeloma cells. <i>American Journal of Hematology</i> , 1989, 31, 258-262.	4.1	34
148	Interleukin 6 and plasma cell neoplasias. <i>Progress in Growth Factor Research</i> , 1989, 1, 133-142.	1.6	34
149	The <i>in vivo</i> Anti-tumor Effect of Human Recombinant Interleukin-6. <i>Japanese Journal of Cancer Research</i> , 1990, 81, 1032-1038.	1.7	33
150	The Biology of Interleukin-6. <i>Chemical Immunology and Allergy</i> , 1992, 51, 153-180.	1.7	33
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