

Tetsuya Taga

List of Publications by Year in descending order

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94
papers

13,273
citations

57758

44
h-index

45317

90
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95
all docs

95
docs citations

95
times ranked

11670
citing authors

#	ARTICLE	IF	CITATIONS
1	<sc>gp130 AND THE INTERLEUKIN-6 FAMILY OF CYTOKINES. Annual Review of Immunology, 1997, 15, 797-819.	21.8	1,394
2	Interleukin-6 triggers the association of its receptor with a possible signal transducer, gp130. Cell, 1989, 58, 573-581.	28.9	1,387
3	Cytokine signal transduction. Cell, 1994, 76, 253-262.	28.9	1,318
4	Structure and function of a new STAT-induced STAT inhibitor. Nature, 1997, 387, 924-929.	27.8	1,224
5	Biology of multifunctional cytokines: IL 6 and related molecules (IL 1 and TNF). FASEB Journal, 1990, 4, 2860-2867.	0.5	1,204
6	Persistence of a small subpopulation of cancer stem-like cells in the C6 glioma cell line. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 781-786.	7.1	924
7	Synergistic Signaling in Fetal Brain by STAT3-Smad1 Complex Bridged by p300. Science, 1999, 284, 479-482.	12.6	801
8	DNA Methylation Is a Critical Cell-Intrinsic Determinant of Astrocyte Differentiation in the Fetal Brain. Developmental Cell, 2001, 1, 749-758.	7.0	570
9	Developmental Requirement of gp130 Signaling in Neuronal Survival and Astrocyte Differentiation. Journal of Neuroscience, 1999, 19, 5429-5434.	3.6	305
10	Committed Neuronal Precursors Confer Astrocytic Potential on Residual Neural Precursor Cells. Developmental Cell, 2009, 16, 245-255.	7.0	293
11	Cytokine receptors and signal transduction. FASEB Journal, 1992, 6, 3387-3396.	0.5	225
12	Stabilized β -Catenin Functions through TCF/LEF Proteins and the Notch/RBP-J δ Complex To Promote Proliferation and Suppress Differentiation of Neural Precursor Cells. Molecular and Cellular Biology, 2008, 28, 7427-7441.	2.3	163
13	Treatment of spinal cord injury by transplantation of fetal neural precursor cells engineered to express BMP inhibitor. Experimental Neurology, 2004, 189, 33-44.	4.1	155
14	Essential role of STAT3 in cytokine-driven NF- κ B-mediated serum amyloid A gene expression. Genes To Cells, 2005, 10, 1051-1063.	1.2	149
15	Astrocyte differentiation mediated by LIF in cooperation with BMP2. FEBS Letters, 1999, 457, 43-46.	2.8	126
16	Involvement of Oct3/4 in the enhancement of neuronal differentiation of ES cells in neurogenesis-inducing cultures. Development (Cambridge), 2003, 130, 2505-2512.	2.5	116
17	Enhanced gene activation by Notch and BMP signaling cross-talk. Nucleic Acids Research, 2003, 31, 5723-5731.	14.5	114
18	gp130, a Shared Signal Transducing Receptor Component for Hematopoietic and Neuropoietic Cytokines. Journal of Neurochemistry, 1996, 67, 1-10.	3.9	108

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19	Potential of Astroglialogenesis by STAT3-Mediated Activation of Bone Morphogenetic Protein-Smad Signaling in Neural Stem Cells. <i>Molecular and Cellular Biology</i> , 2007, 27, 4931-4937.	2.3	108
20	Serum soluble interleukin-6 receptor in MRL/lpr mice is elevated with age and mediates the interleukin-6 signal. <i>European Journal of Immunology</i> , 1993, 23, 1078-1082.	2.9	107
21	Role of IL-6 in the Neural Stem Cell Differentiation. <i>Clinical Reviews in Allergy and Immunology</i> , 2005, 28, 249-256.	6.5	107
22	Differential shedding of the two subunits of the interleukin-6 receptor. <i>FEBS Letters</i> , 1993, 332, 174-178.	2.8	104
23	Anti-human interleukin-6 receptor antibody inhibits human myeloma growth in vivo. <i>European Journal of Immunology</i> , 1992, 22, 1989-1993.	2.9	93
24	Developmental stage dependent regulation of DNA methylation and chromatin modification in a immature astrocyte specific gene promoter. <i>FEBS Letters</i> , 2004, 572, 184-188.	2.8	90
25	Osteoclasts Are Present in gp130-Deficient Mice*. <i>Endocrinology</i> , 1997, 138, 4959-4965.	2.8	86
26	The inhibitory effect of salinomycin on the proliferation, migration and invasion of human endometrial cancer stem-like cells. <i>Gynecologic Oncology</i> , 2013, 129, 598-605.	1.4	75
27	The Signal Transducer gp130 Is Shared by Interleukin-6 Family of Haematopoietic and Neurotrophic Cytokines. <i>Annals of Medicine</i> , 1997, 29, 63-72.	3.8	72
28	Leptin receptor (OB-R) oligomerizes with itself but not with its closely related cytokine signal transducer gp130. <i>FEBS Letters</i> , 1997, 403, 79-82.	2.8	72
29	Activation of Canonical Wnt Pathway Promotes Proliferation of Retinal Stem Cells Derived from Adult Mouse Ciliary Margin. <i>Stem Cells</i> , 2006, 24, 95-104.	3.2	72
30	Fate alteration of neuroepithelial cells from neurogenesis to astrocytogenesis by bone morphogenetic proteins. <i>Neuroscience Research</i> , 2001, 41, 391-396.	1.9	69
31	A new expression cloning strategy for isolation of substrate-specific kinases by using phosphorylation site-specific antibody. <i>Journal of Immunological Methods</i> , 2001, 247, 141-151.	1.4	68
32	Spred-2 Suppresses Aorta-Gonad-Mesonephros Hematopoiesis by Inhibiting MAP Kinase Activation. <i>Journal of Experimental Medicine</i> , 2004, 199, 737-742.	8.5	67
33	Mechanisms Underlying Cytokine-Mediated Cell-Fate Regulation in the Nervous System. <i>Molecular Neurobiology</i> , 2002, 25, 233-244.	4.0	64
34	STAT3-mediated astrocyte differentiation from mouse fetal neuroepithelial cells by mouse oncostatin M. <i>Neuroscience Letters</i> , 1999, 269, 169-172.	2.1	63
35	Analysis of an alternative human CD133 promoter reveals the implication of Ras/ERK pathway in tumor stem-like hallmarks. <i>Molecular Cancer</i> , 2010, 9, 39.	19.2	62
36	Cell fate determination regulated by a transcriptional signal network in the developing mouse brain. <i>Kaibogaku Zasshi Journal of Anatomy</i> , 2005, 80, 12-18.	1.2	61

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37	Signaling crosstalk underlying synergistic induction of astrocyte differentiation by BMPs and IL-6 family of cytokines. <i>FEBS Letters</i> , 2001, 489, 139-143.	2.8	59
38	Roles of lipid rafts in integrin-dependent adhesion and gp130 signalling pathway in mouse embryonic neural precursor cells. <i>Genes To Cells</i> , 2004, 9, 801-809.	1.2	59
39	Characterization of glycoconjugate antigens in mouse embryonic neural precursor cells. <i>Journal of Neurochemistry</i> , 2005, 95, 1311-1320.	3.9	59
40	<i>Sox17</i> haploinsufficiency results in perinatal biliary atresia and hepatitis in C57BL/6 background mice. <i>Development (Cambridge)</i> , 2013, 140, 639-648.	2.5	57
41	CARDIOTROPHIN-LIKE CYTOKINE INDUCES ASTROCYTE DIFFERENTIATION OF FETAL NEUROEPITHELIAL CELLS VIA ACTIVATION OF STAT3. <i>Cytokine</i> , 2002, 18, 1-7.	3.2	55
42	ASTROCYTE DIFFERENTIATION OF FETAL NEUROEPITHELIAL CELLS INVOLVING CARDIOTROPHIN-1-INDUCED ACTIVATION OF STAT3. <i>Cytokine</i> , 2001, 14, 264-271.	3.2	53
43	Astrocyte Differentiation of Fetal Neuroepithelial Cells by Interleukin-11 via Activation of a Common Cytokine Signal Transducer, gp130, and a Transcription Factor, STAT3. <i>Journal of Neurochemistry</i> , 2002, 74, 1498-1504.	3.9	49
44	Inhibition of BMP2-induced, TAK1 kinase-mediated neurite outgrowth by Smad6 and Smad7. <i>Genes To Cells</i> , 2001, 6, 1091-1099.	1.2	45
45	Overlapping and distinct signals through leptin receptor (OB-R) and a closely related cytokine signal transducer, gp130. <i>FEBS Letters</i> , 1997, 401, 49-52.	2.8	44
46	Stage- and site-specific DNA demethylation during neural cell development from embryonic stem cells. <i>Journal of Neurochemistry</i> , 2005, 93, 432-439.	3.9	43
47	Enhanced engraftment of hematopoietic stem/progenitor cells by the transient inhibition of an adaptor protein, Lnk. <i>Blood</i> , 2006, 107, 2968-2975.	1.4	41
48	DIRECTLY LINKED SOLUBLE IL-6 RECEPTOR-IL-6 FUSION PROTEIN INDUCES ASTROCYTE DIFFERENTIATION FROM NEUROEPITHELIAL CELLS VIA ACTIVATION OF STAT3. <i>Cytokine</i> , 2001, 13, 272-279.	3.2	38
49	Regulation of Hematopoietic Development in the Aorta-Gonad-Mesonephros Region Mediated by Lnk Adaptor Protein. <i>Molecular and Cellular Biology</i> , 2003, 23, 8486-8494.	2.3	38
50	Enhancement of 5-aminolevulinic acid-based fluorescence detection of side population-defined glioma stem cells by iron chelation. <i>Scientific Reports</i> , 2017, 7, 42070.	3.3	37
51	Glycosphingolipid Synthesis Inhibitor Represses Cytokine-Induced Activation of the Ras-MAPK Pathway in Embryonic Neural Precursor Cells. <i>Journal of Biochemistry</i> , 2005, 138, 285-291.	1.7	35
52	Targeted Disruption of the IL-6 Related Genes: gp130 and NF-IL-6. <i>Immunological Reviews</i> , 1995, 148, 221-253.	6.0	34
53	Induction of protumoral CD11c ^{high} macrophages by glioma cancer stem cells through GM-CSF. <i>Genes To Cells</i> , 2016, 21, 241-251.	1.2	33
54	Wnt3a Promotes Hippocampal Neurogenesis by Shortening Cell Cycle Duration of Neural Progenitor Cells. <i>Cellular and Molecular Neurobiology</i> , 2010, 30, 1049-1058.	3.3	32

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55	A Growth-Promoting Signaling Component Cyclin D1 in Neural Stem Cells Has Antiastroglial Function to Execute Self-Renewal. <i>Stem Cells</i> , 2014, 32, 1602-1615.	3.2	32
56	The Molecular Biology of Interleukin 6 and its Receptor. <i>Novartis Foundation Symposium</i> , 1992, 167, 5-23.	1.1	32
57	Vav is associated with signal transducing molecules gp130, Grb2 and Erk2, and is tyrosine phosphorylated in response to interleukin-6. <i>FEBS Letters</i> , 1997, 401, 133-137.	2.8	31
58	Sox17-Mediated Maintenance of Fetal Intra-Aortic Hematopoietic Cell Clusters. <i>Molecular and Cellular Biology</i> , 2014, 34, 1976-1990.	2.3	28
59	Basic fibroblast growth factor endows dorsal telencephalic neural progenitors with the ability to differentiate into oligodendrocytes but not l ³ -aminobutyric acidergic neurons. <i>Journal of Neuroscience Research</i> , 2006, 83, 731-743.	2.9	27
60	Interleukin 6 and its receptor in the immune response and hematopoiesis. <i>International Journal of Cell Cloning</i> , 1990, 8, 155-167.	1.6	25
61	Involvement of the Hipk family in regulation of eyeball size, lens formation and retinal morphogenesis. <i>FEBS Letters</i> , 2010, 584, 3233-3238.	2.8	25
62	Requirement of gp130 signaling for the AGM hematopoiesis. <i>Experimental Hematology</i> , 2003, 31, 283-289.	0.4	20
63	A Synthetic Polymer Scaffold Reveals the Self-Maintenance Strategies of Rat Glioma Stem Cells by Organization of the Advantageous Niche. <i>Stem Cells</i> , 2016, 34, 1151-1162.	3.2	20
64	Current Concepts of B Cell Modulation. <i>International Reviews of Immunology</i> , 1989, 5, 97-109.	3.3	17
65	Increase in GFAP ⁺ astrocytes in histone demethylase GASC ¹ /KDM ^{4C} /JMJD ^{2C} hypomorphic mutant mice. <i>Genes To Cells</i> , 2016, 21, 218-225.	1.2	17
66	Glioma progression and recurrence involving maintenance and expansion strategies of glioma stem cells by organizing self-advantageous niche microenvironments. <i>Inflammation and Regeneration</i> , 2020, 40, 33.	3.7	15
67	Requirement of ABC transporter inhibition and Hoechst 33342 dye deprivation for the assessment of side population-defined C6 glioma stem cell metabolism using fluorescent probes. <i>BMC Cancer</i> , 2016, 16, 847.	2.6	14
68	Retinal astrocyte differentiation mediated by leukemia inhibitory factor in cooperation with bone morphogenetic protein 2. <i>International Journal of Developmental Neuroscience</i> , 2009, 27, 685-690.	1.6	13
69	Identification of a population of cells with hematopoietic stem cell properties in mouse aorta-gonad-mesonephros cultures. <i>Experimental Cell Research</i> , 2007, 313, 965-974.	2.6	12
70	Glioma stem cell (GSC)-derived autophagy-like products confer GSC niche properties involving M1-like tumor-associated macrophages. <i>Stem Cells</i> , 2020, 38, 921-935.	3.2	11
71	CD45 ^{low} c-Kit ^{high} cells have hematopoietic properties in the mouse aorta-gonad-mesonephros region. <i>Experimental Cell Research</i> , 2012, 318, 705-715.	2.6	10
72	YBX2 and cancer testis antigen 45 contribute to stemness, chemoresistance and a high degree of malignancy in human endometrial cancer. <i>Scientific Reports</i> , 2021, 11, 4220.	3.3	9

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73	Fate redirection of hippocampal astrocytes toward neuronal lineage by aggregate culture. <i>Neuroscience Research</i> , 2005, 53, 176-182.	1.9	8
74	Inhibitory effects of homeodomain-interacting protein kinase 2 on the aortaâ€“gonadâ€“mesonephros hematopoiesis. <i>Experimental Cell Research</i> , 2007, 313, 88-97.	2.6	8
75	Maintenance of hematopoietic stem and progenitor cells in fetal intra-aortic hematopoietic clusters by the Sox17-Notch1-Hes1 axis. <i>Experimental Cell Research</i> , 2018, 365, 145-155.	2.6	8
76	Cancer Stem Cell-Associated Immune Microenvironment in Recurrent Glioblastomas. <i>Cells</i> , 2022, 11, 2054.	4.1	8
77	Thrombopoietin contributes to the formation and the maintenance of hematopoietic progenitor-containing cell clusters in the aorta-gonad-mesonephros region. <i>Cytokine</i> , 2017, 95, 35-42.	3.2	7
78	Sox17-mediated expression of adherent molecules is required for the maintenance of undifferentiated hematopoietic cluster formation in midgestation mouse embryos. <i>Differentiation</i> , 2020, 115, 53-61.	1.9	7
79	Interleukin-6 inhibits the chemotaxis of human malignant plasma cell lines. <i>British Journal of Haematology</i> , 1996, 93, 534-541.	2.5	6
80	Identification of a yolk sac cell population with hematopoietic activity in view of CD45/c-Kit expression. <i>Development Growth and Differentiation</i> , 2011, 53, 870-877.	1.5	6
81	Sox17 as a candidate regulator of myeloid restricted differentiation potential. <i>Development Growth and Differentiation</i> , 2014, 56, 469-479.	1.5	6
82	Gene Regulation of Prominin-1 (CD133) in Normal and Cancerous Tissues. <i>Advances in Experimental Medicine and Biology</i> , 2013, 777, 73-85.	1.6	6
83	Cells with hematopoietic activity in the mouse placenta reside in side population. <i>Genes To Cells</i> , 2010, 15, 983-994.	1.2	4
84	Up-regulation of lymphocyte antigen 6 complex expression in side-population cells derived from a human trophoblast cell line HTR-8/SVneo. <i>Human Cell</i> , 2016, 29, 10-21.	2.7	4
85	Sry-related High Mobility Group Box 17 Functions as a Tumor Suppressor by Antagonizing the Wntless-related Integration Site Pathway. <i>Journal of Cancer Prevention</i> , 2020, 25, 204-212.	2.0	3
86	Molecular structure of interleukin 6 receptor.. <i>Proceedings of the Japan Academy Series B: Physical and Biological Sciences</i> , 1988, 64, 209-211.	3.8	2
87	Preferential differentiation of neural progenitor cells into the glial lineage through gp130 signaling in N-methyl-d-aspartate-treated retinas. <i>Brain Research</i> , 2005, 1055, 7-14.	2.2	1
88	Media conditioned by retinal pigment epithelial cells suppress the canonical Wnt pathway. <i>Neuroscience Letters</i> , 2007, 424, 190-193.	2.1	1
89	Fetal Hematopoietic Development in the Mouse Aorta-Gonad-Mesonephros Region Is Inhibited by Homeodomain-Interacting Protein Kinase 2.. <i>Blood</i> , 2005, 106, 199-199.	1.4	1
90	Interleukin 6 (BSF2/IL-6) is an autocrine growth factor for human multiple myelomas.. <i>Proceedings of the Japan Academy Series B: Physical and Biological Sciences</i> , 1988, 64, 68-71.	3.8	0

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91	Tumor Stem Cells: CD133 Gene Regulation and Tumor Stemness. , 2012, , 145-153.		0
92	Cell fate determination in the central nervous system governed by a cytokine-mediated transcriptional network and epigenetic DNA modification.. Seibutsu Butsuri Kagaku, 2004, 48, 123-127.	0.1	0
93	Regulation of neural stem cells during development and regeneration of the central nervous system. Ensho Saisei, 2005, 25, 18-25.	0.2	0
94	Characterization of Hematopoietic Stem/Progenitor Property of Cells in the Culture of the Mouse Aorta-Gonad-Mesonephros Region.. Blood, 2005, 106, 3620-3620.	1.4	0