Masahiko Hibi

List of Publications by Year
in descending order

135 papers	22,635 citations	61 h-index	129 g-index
143 all docs	143 docs citations	143 times ranked	17852 citing authors

19657

13771

#	Article	IF	Citations
1	JNK1: A protein kinase stimulated by UV light and Ha-Ras that binds and phosphorylates the c-Jun activation domain. Cell, 1994, 76, 1025-1037.	28.9	3,203
2	Identification of an oncoprotein- and UV-responsive protein kinase that binds and potentiates the c-Jun activation domain.. Genes and Development, 1993, 7, 2135-2148.	5.9	1,776
3	Interleukin-6 triggers the association of its receptor with a possible signal transducer, gp130. Cell, 1989, 58, 573-581.	28.9	1,387
4	Molecular cloning and expression of an IL-6 signal transducer, gp130. Cell, 1990, 63, 1149-1157.	28.9	1,293
5	Roles of STAT3 in mediating the cell growth, differentiation and survival signals relayed through the IL-6 family of cytokine receptors. Oncogene, 2000, 19, 2548-2556.	5.9	1,081
6	JNK is involved in signal integration during costimulation of T lymphocytes. Cell, 1994, 77, 727-736.	28.9	908
7	IL-6-Induced Homodimerization of gp130 and Associated Activation of a Tyrosine Kinase. Science, 1993, 260, 1808-1810.	12.6	706
8	Two Signals Are Necessary for Cell Proliferation Induced by a Cytokine Receptor gp130: Involvement of STAT3 in Anti-Apoptosis. Immunity, 1996, 5, 449-460.	14.3	618
9	Critical cytoplasmic region of the interleukin 6 signal transducer gp130 is conserved in the cytokine receptor family.. Proceedings of the National Academy of Sciences of the United States of America, 1991, 88, 11349-11353.	7.1	566
10	Genetic dissection of neural circuits by <i>Tol2</i> transposon-mediated Gal4 gene and enhancer trapping in zebrafish. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 1255-1260.	7.1	505
11	c-Jun Can Recruit JNK to Phosphorylate Dimerization Partners via Specific Docking Interactions. Cell, 1996, 87, 929-939.	28.9	473
12	Fezl Is Required for the Birth and Specification of Corticospinal Motor Neurons. Neuron, 2005, 47, 817-831.	8.1	448
13	A new group of conserved coactivators that increase the specificity of AP-1 transcription factors. Nature, 1996, 383, 453-457.	27.8	441
14	Synergistic Roles for Pim-1 and c-Myc in STAT3-Mediated Cell Cycle Progression and Antiapoptosis. Immunity, 1999, 11, 709-719.	14.3	393
15	Analysis of Upstream Elements in the HuC Promoter Leads to the Establishment of Transgenic Zebrafish with Fluorescent Neurons. Developmental Biology, 2000, 227, 279-293.	2.0	382
16	STAT3 Is Required for the gp130-mediated Full Activation of the c-myc Gene. Journal of Experimental Medicine, 1999, 189, 63-73.	8.5	365
17	Signaling mechanisms through gp130: A model of the cytokine system. Cytokine and Growth Factor Reviews, 1997, 8, 241-252.	7.2	345
18	JSAP1, a Novel Jun N-Terminal Protein Kinase (JNK)-Binding Protein That Functions as a Scaffold Factor in the JNK Signaling Pathway. Molecular and Cellular Biology, 1999, 19, 7539-7548.	2.3	270

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19	Anatomy of zebrafish cerebellum and screen for mutations affecting its development. Developmental Biology, 2009, 330, 406-426.	2.0	264
20	Gab1 Acts as an Adapter Molecule Linking the Cytokine Receptor gp130 to ERK Mitogen-Activated Protein Kinase. Molecular and Cellular Biology, 1998, 18, 4109-4117.	2.3	258
21	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
22	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
23	Dissection of Signaling Cascades through gp130 In Vivo. Immunity, 2000, 12, 95-105.	14.3	230
24	STAT3 orchestrates contradictory signals in cytokine-induced G1 to S cell-cycle transition. EMBO Journal, 1998, 17, 6670-6677.	7.8	225
25	IL-6 cytokine family and signal transduction: a model of the cytokine system. Journal of Molecular Medicine, 1996, 74, 1-12.	3.9	210
26	Interaction of Wnt and caudal-related genes in zebrafish posterior body formation. Developmental Biology, 2005, 279, 125-141.	2.0	181
27	Zebrafish Dkk1 Functions in Forebrain Specification and Axial Mesendoderm Formation. Developmental Biology, 2000, 217, 138-152.	2.0	178
28	Oncogenic Ras activates c-Jun via a separate pathway from the activation of extracellular signal-regulated kinases.. Proceedings of the National Academy of Sciences of the United States of America, 1994, 91, 6030-6034.	7.1	174
29	Shisa Promotes Head Formation through the Inhibition of Receptor Protein Maturation for the Caudalizing Factors, Wnt and FGF. Cell, 2005, 120, 223-235.	28.9	157
30	The Cerberus/Dan-family protein Charon is a negative regulator of Nodal signaling during left-right patterning in zebrafish. Development (Cambridge), 2004, 131, 1741-1753.	2.5	149
31	An alternative pathway for STAT activation that is mediated by the direct interaction between JAK and STAT. Oncogene, 1997, 14, 751-761.	5.9	148
32	Proneural gene-linked neurogenesis in zebrafish cerebellum. Developmental Biology, 2010, 343, 1-17.	2.0	139
33	E-cadherin is required for gastrulation cell movements in zebrafish. Mechanisms of Development, 2005, 122, 747-763.	1.7	138
34	Dual control of neurite outgrowth by STAT3 and MAP kinase in PC12 cells stimulated with interleukin-6. EMBO Journal, 1997, 16, 5345-5352.	7.8	135
35	Requirement of Gab2 for mast cell development and KitL/c-Kit signaling. Blood, 2002, 99, 1866-1869.	1.4	125
36	Development of the cerebellum and cerebellar neural circuits. Developmental Neurobiology, 2012, 72, 282-301.	3.0	125

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37	Tissue-Specific Autoregulation of the <i>stat3</i> Gene and Its Role in Interleukin-6-Induced Survival Signals in T Cells. Molecular and Cellular Biology, 2001, 21, 6615-6625.	2.3	121
38	Development and evolution of cerebellar neural circuits. Development Growth and Differentiation, 2012, 54, 373-389.	1.5	120
39	A novel homeobox gene, <i>dharma,</i> can induce the organizer in a non-cell-autonomousâ€‰manner. Genes and Development, 1998, 12, 2345-2353.	5.9	118
40	Zinc finger genefez-like functions in the formation of subplate neurons and thalamocortical axons. Developmental Dynamics, 2004, 230, 546-556.	1.8	109
41	Cooperative roles of Bozozok/Dharma and Nodal-related proteins in the formation of the dorsal organizer in zebrafish. Mechanisms of Development, 2000, 91, 293-303.	1.7	107
42	Induction of apoptosis by extracellular ubiquitin in human hematopoietic cells: possible involvement of STAT3 degradation by proteasome pathway in interleukin 6-dependent hematopoietic cells. Blood, 2000, 95, 2577-2585.	1.4	105
43	Sizzled controls dorso-ventral polarity by repressing cleavage of the Chordin protein. Nature Cell Biology, 2006, 8, 329-340.	10.3	101
44	Ogon/Secreted Frizzled functions as a negative feedback regulator of Bmp signaling. Development (Cambridge), 2003, 130, 2705-2716.	2.5	96
45	Zinc-finger genes Fez and Fez-like function in the establishment of diencephalon subdivisions. Development (Cambridge), 2006, 133, 3993-4004.	2.5	94
46	Zinc finger protein too few controls the development of monoaminergic neurons. Nature Neuroscience, 2003, 6, 28-33.	14.8	92
47	Engagement of Gab1 and Gab2 in Erythropoietin Signaling. Journal of Biological Chemistry, 1999, 274, 24469-24474.	3.4	88
48	Tec tyrosine kinase links the cytokine receptors to PI-3 kinase probably through JAK. Oncogene, 1997, 14, 2273-2282.	5.9	86
49	Syntabulin, a motor protein linker, controls dorsal determination. Development (Cambridge), 2010, 137, 923-933.	2.5	84
50	Syk-dependent and -independent Signaling Cascades in B Cells Elicited by Osmotic and Oxidative Stress. Journal of Biological Chemistry, 1997, 272, 2098-2103.	3.4	82
51	Overexpression of neurogenin induces ectopic expression of HuC in zebrafish. Neuroscience Letters, 1997, 239, 113-116.	2.1	81
52	Gab-Family Adapter Molecules in Signal Transduction of Cytokine and Growth Factor Receptors, and T and B Cell Antigen Receptors. Leukemia and Lymphoma, 2000, 37, 299-307.	1.3	81
53	Docking Protein Gab2 Is Phosphorylated by ZAP-70 and Negatively Regulates T Cell Receptor Signaling by Recruitment of Inhibitory Molecules. Journal of Biological Chemistry, 2001, 276, 45175-45183.	3.4	80
54	Regulation of dharma/bozozok by the Wnt Pathway. Developmental Biology, 2001, 231, 397-409.	2.0	79

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55	Regulation of Pim-1 by Hsp90. Biochemical and Biophysical Research Communications, 2001, 281, 663-669.	2.1	74
56	Formation and patterning of the forebrain and olfactory system by zincâ€finger genes <i>Fezf1</i> and <i>Fezf2</i>. Development Growth and Differentiation, 2009, 51, 221-231.	1.5	72
57	Gab1 is required for EGF receptor signaling and the transformation by activated ErbB2. Oncogene, 2003, 22, 1546-1556.	5.9	71
58	Cdx-Hox code controls competence for responding to Fgfs and retinoic acid in zebrafish neural tissue. Development (Cambridge), 2006, 133, 4709-4719.	2.5	71
59	Dynamic microtubules at the vegetal cortex predict the embryonic axis in zebrafish. Development (Cambridge), 2012, 139, 3644-3652.	2.5	71
60	Atypical Protein Kinase C Regulates Primary Dendrite Specification of Cerebellar Purkinje Cells by Localizing Golgi Apparatus. Journal of Neuroscience, 2010, 30, 16983-16992.	3.6	69
61	Patterning of proneuronal and inter-proneuronal domains by hairy- and enhancer of split-related genes in zebrafish neuroectoderm. Development (Cambridge), 2005, 132, 1375-1385.	2.5	68
62	Expression of the zinc finger gene fez-like in zebrafish forebrain. Mechanisms of Development, 2000, 97, 191-195.	1.7	67
63	Zinc-finger gene Fez in the olfactory sensory neurons regulates development of the olfactory bulb non-cell-autonomously. Development (Cambridge), 2006, 133, 1433-1443.	2.5	67
64	Zinc finger genes <i>Fezf1</i> and <i>Fezf2</i> control neuronal differentiation by repressing <i>Hes5</i> expression in the forebrain. Development (Cambridge), 2010, 137, 1875-1885.	2.5	67
65	Establishment of Gal4 transgenic zebrafish lines for analysis of development of cerebellar neural circuitry. Developmental Biology, 2015, 397, 1-17.	2.0	66
66	A novel repressor-type homeobox gene, ved, is involved in dharma/bozozok-mediated dorsal organizer formation in zebrafish. Mechanisms of Development, 2002, 118, 125-138.	1.7	63
67	Asymmetric p38 Activation in Zebrafish. Journal of Cell Biology, 2000, 150, 1335-1348.	5.2	60
68	Gal4 Driver Transgenic Zebrafish. Advances in Genetics, 2016, 95, 65-87.	1.8	58
69	Lesionâ€induced generation of interneuron cell types in specific dorsoventral domains in the spinal cord of adult zebrafish. Journal of Comparative Neurology, 2012, 520, 3604-3616.	1.6	56
70	Genetic evidence for involvement of maternally derived Wnt canonical signaling in dorsal determination in zebrafish. Mechanisms of Development, 2004, 121, 371-386.	1.7	55
71	Sox5 Functions as a Fate Switch in Medaka Pigment Cell Development. PLoS Genetics, 2014, 10, e1004246.	3.5	55
72	Distinct interactions of Sox5 and Sox10 in fate specification of pigment cells in medaka and zebrafish. PLoS Genetics, 2018, 14, e1007260.	3.5	51

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73	Initial specification of the epibranchial placode in zebrafish embryos depends on the fibroblast growth factor signal. Developmental Dynamics, 2007, 236, 564-571.	1.8	50
74	Madagascar ground gecko genome analysis characterizes asymmetric fates of duplicated genes. BMC Biology, 2018, 16, 40.	3.8	49
75	PRMT8 as a phospholipase regulates Purkinje cell dendritic arborization and motor coordination. Science Advances, 2015, 1, e1500615.	10.3	44
76	Interaction of the protein nucleobindin with GÎ±i2, as revealed by the yeast two-hybrid system. FEBS Letters, 1995, 373, 155-158.	2.8	43
77	A Novel Oncostatin M-inducible Gene OIG37 Forms a Gene Family with MyD118 and GADD45 and Negatively Regulates Cell Growth. Journal of Biological Chemistry, 1999, 274, 24766-24772.	3.4	43
78	Evolutionary mechanisms that generate morphology and neuralâ€circuit diversity of the cerebellum. Development Growth and Differentiation, 2017, 59, 228-243.	1.5	43
79	The Medaka zic1/zic4 Mutant Provides Molecular Insights into Teleost Caudal Fin Evolution. Current Biology, 2012, 22, 601-607.	3.9	41
80	Osteocrin, a peptide secreted from the heart and other tissues, contributes to cranial osteogenesis and chondrogenesis in zebrafish. Development (Cambridge), 2017, 144, 334-344.	2.5	41
81	Tracing of Afferent Connections in the Zebrafish Cerebellum Using Recombinant Rabies Virus. Frontiers in Neural Circuits, 2019, 13, 30.	2.8	38
82	Gene expression profiling of granule cells and Purkinje cells in the zebrafish cerebellum. Journal of Comparative Neurology, 2017, 525, 1558-1585.	1.6	34
83	Role of phosphatidylinositol-3 kinase and its association with Gab1 in thrombopoietin-mediated up-regulation of platelet function. Experimental Hematology, 2001, 29, 616-622.	0.4	33
84	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	33
85	The Molecular Biology of Interleukin 6 and its Receptor. Novartis Foundation Symposium, 1992, 167, 5-23.	1.1	32
86	Requirement for Zebrafish Ataxin-7 in Differentiation of Photoreceptors and Cerebellar Neurons. PLoS ONE, 2012, 7, e50705.	2.5	32
87	Vav is associated with signal transducing molecules gp130, Grb2 and Erk2, and is tyrosine phosphorylated in response to interleukin-6. FEBS Letters, 1997, 401, 133-137.	2.8	31
88	The parallel growth of motoneuron axons with the dorsal aorta depends on Vegfc/Vegfr3 signaling in zebrafish. Development (Cambridge), 2013, 140, 4081-4090.	2.5	30
89	Granule cells control recovery from classical conditioned fear responses in the zebrafish cerebellum. Scientific Reports, 2017, 7, 11865.	3.3	30
90	Signal TransductionThrough Cytokine Receptors. International Reviews of Immunology, 1998, 17, 75-102.	3.3	29

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91	Type IV Collagen Controls the Axogenesis of Cerebellar Granule Cells by Regulating Basement Membrane Integrity in Zebrafish. PLoS Genetics, 2015, 11, e1005587.	3.5	29
92	Signaling Through Gp130: Toward a General Scenario of Cytokine Action. Growth Factors, 1999, 17, 81-91.	1.7	27
93	Adapter Molecule Grb2-Associated Binder 1 Is Specifically Expressed in Marginal Zone B Cells and Negatively Regulates Thymus-Independent Antigen-2 Responses. Journal of Immunology, 2002, 168, 5110-5116.	0.8	27
94	Roles of maternal wnt8a transcripts in axis formation in zebrafish. Developmental Biology, 2018, 434, 96-107.	2.0	26
95	Interleukin 6 and its receptor in the immune response and hematopoiesis. International Journal of Cell Cloning, 1990, 8, 155-167.	1.6	25
96	Novel Mix-Family Homeobox Genes in Zebrafish and Their Differential Regulation. Biochemical and Biophysical Research Communications, 2000, 271, 603-609.	2.1	24
97	Responses of cerebellar Purkinje cells during fictive optomotor behavior in larval zebrafish. Journal of Neurophysiology, 2016, 116, 2067-2080.	1.8	23
98	Color opponency with a single kind of bistable opsin in the zebrafish pineal organ. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 11310-11315.	7.1	23
99	Organizer Formation and Function. Results and Problems in Cell Differentiation, 2002, 40, 48-71.	0.7	23
100	Expression of sax1/nkx1.2 and sax2/nkx1.1 in zebrafish. Gene Expression Patterns, 2004, 4, 481-486.	0.8	22
101	Expression of zebrafish <i>ROR alpha</i> gene in cerebellarâ€like structures. Developmental Dynamics, 2007, 236, 2694-2701.	1.8	22
102	Multiple zebrafish atoh1 genes specify a diversity of neuronal types in the zebrafish cerebellum. Developmental Biology, 2018, 438, 44-56.	2.0	22
103	Kheper, a Novel ZFH/Î´EF1 Family Member, Regulates the Development of the Neuroectoderm of Zebrafish (Danio rerio). Developmental Biology, 2000, 228, 29-40.	2.0	21
104	A homeobox gene,pnx, is involved in the formation of posterior neurons in zebrafish. Development (Cambridge), 2003, 130, 1853-1865.	2.5	20
105	REP1 inhibits FOXO3-mediated apoptosis to promote cancer cell survival. Cell Death and Disease, 2018, 8, e2536-e2536.	6.3	20
106	Functionally distinct Purkinje cell types show temporal precision in encoding locomotion. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 17330-17337.	7.1	20
107	Defects in reciprocal projections between the thalamus and cerebral cortex in the early development of Fezl-deficient mice. Journal of Comparative Neurology, 2007, 503, 454-465.	1.6	17
108	Expression of<i>strawberry notch</i>family genes during zebrafish embryogenesis. Developmental Dynamics, 2010, 239, 1789-1796.	1.8	16

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109	Role of Reelin in cell positioning in the cerebellum and the cerebellum-like structure in zebrafish. Developmental Biology, 2019, 455, 393-408.	2.0	16
110	Interleukin-6 Receptor and Signals. Chemical Immunology and Allergy, 1992, 51, 181-204.	1.7	15
111	Oncogenic role of rab escort protein 1 through EGFR and STAT3 pathway. Cell Death and Disease, 2017, 8, e2621-e2621.	6.3	14
112	Regulation of IL-6 receptor and GP130 expression on human cell lines of lymphoid and myeloid origin. Cytokine, 1992, 4, 495-499.	3.2	13
113	Notch-regulated perineurium development from zebrafish spinal cord. Neuroscience Letters, 2008, 448, 240-244.	2.1	12
114	Dynein axonemal intermediate chain 2 is required for formation of the leftâ€“right body axis and kidney in medaka. Developmental Biology, 2010, 347, 53-61.	2.0	12
115	Interleukin-6 Receptor and Signals. Chemical Immunology and Allergy, 1992, 51, 181-204.	1.7	11
116	Dynamic changes in the gene expression of zebrafish Reelin receptors during embryogenesis and hatching period. Development Growth and Differentiation, 2012, 54, 253-263.	1.5	10
117	Medaka and zebrafish <i>contactin1</i> mutants as a model for understanding neural circuits for motor coordination. Genes To Cells, 2017, 22, 723-741.	1.2	10
118	Comparative FISH mapping of Gab1 and Gab2 genes in human, mouse and rat. Cytogenetic and Genome Research, 2001, 94, 39-42.	1.1	9
119	Gsx2 is required for specification of neurons in the inferior olivary nuclei from Ptf1a-expressing neural progenitors in zebrafish. Development (Cambridge), 2020, 147, .	2.5	9
120	Maintenance of quiescent oocytes by noradrenergic signals. Nature Communications, 2021, 12, 6925.	12.8	9
121	Involvement of Cerebellar Neural Circuits in Active Avoidance Conditioning in Zebrafish. ENeuro, 2021, 8, ENEURO.0507-20.2021.	1.9	8
122	Induction of apoptosis by extracellular ubiquitin in human hematopoietic cells: possible involvement of STAT3 degradation by proteasome pathway in interleukin 6-dependent hematopoietic cells. Blood, 2000, 95, 2577-2585.	1.4	8
123	Syntaphilin-Mediated Docking of Mitochondria at the Growth Cone Is Dispensable for Axon Elongation<i>In Vivo</i>. ENeuro, 2019, 6, ENEURO.0026-19.2019.	1.9	8
124	Morphological analysis of the cerebellum and its efferent system in a basal actinopterygian fish, <i>Polypterus senegalus</i>. Journal of Comparative Neurology, 2022, 530, 1231-1246.	1.6	7
125	Cfdp1 controls the cell cycle and neural differentiation in the zebrafish cerebellum and retina. Developmental Dynamics, 2021, 250, 1618-1633.	1.8	5
126	Contribution of <i>sox9b</i> to pigment cell formation in medaka fish. Development Growth and Differentiation, 2021, 63, 516-522.	1.5	5

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127	Involvement of a Common 10-Amino-Acid Segment in the Cytoplasmic Region of CD40 but Different MAP Kinases in Different CD40-Mediated Responses. Biochemical and Biophysical Research Communications, 1997, 233, 187-192.	2.1	3
128	gp130-mediated signalling as a therapeutic target. Expert Opinion on Therapeutic Targets, 2000, 4, 459-479.	1.0	2
129	Deciphering Cerebellar Neural Circuitry Involved in Higher Order Functions Using the Zebrafish Model. , 2014, , 161-184.		2
130	Patterning of proneuronal and inter-proneuronal domains by hairy- and enhancer of split-related genes in zebrafish neuroectoderm. Development (Cambridge), 2006, 133, 1609-1609.	2.5	1
131	Axis Formation and Its Evolution in Ray-Finned Fish. Diversity and Commonality in Animals, 2018, , 709-742.	0.7	1
132	The role of Strawberry notch family genes in the central nervous system development of zebrafish. Neuroscience Research, 2007, 58, S82.	1.9	0
133	Suppression of Notch signal by Sbno1 is essential for differentiation of mouse cortical neuron. Neuroscience Research, 2010, 68, e129.	1.9	0
134	Development of cerebellar neural circuits in zebrafish and medaka. Neuroscience Research, 2011, 71, e23.	1.9	0
135	Essential function of Sbno1 in Notch signal suppression during cortical neuron differentiation. Neuroscience Research, 2011, 71, e126.	1.9	0