

Hiroshi Sasaki

List of Publications by Year in descending order

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9,344
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76196

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#	ARTICLE	IF	CITATIONS
1	The Hippo Signaling Pathway Components Lats and Yap Pattern Tead4 Activity to Distinguish Mouse Trophectoderm from Inner Cell Mass. <i>Developmental Cell</i> , 2009, 16, 398-410.	3.1	867
2	Redefining the In Vivo Origin of Metanephric Nephron Progenitors Enables Generation of Complex Kidney Structures from Pluripotent Stem Cells. <i>Cell Stem Cell</i> , 2014, 14, 53-67.	5.2	725
3	Hippo pathway regulation by cell morphology and stress fibers. <i>Development (Cambridge)</i> , 2011, 138, 3907-3914.	1.2	707
4	Nodal is a novel TGF- β -like gene expressed in the mouse node during gastrulation. <i>Nature</i> , 1993, 361, 543-547.	13.7	587
5	Tead4 is required for specification of trophectoderm in pre-implantation mouse embryos. <i>Mechanisms of Development</i> , 2008, 125, 270-283.	1.7	418
6	Gata3 regulates trophoblast development downstream of Tead4 and in parallel to Cdx2. <i>Development (Cambridge)</i> , 2010, 137, 395-403.	1.2	389
7	Modulating F-actin organization induces organ growth by affecting the Hippo pathway. <i>EMBO Journal</i> , 2011, 30, 2325-2335.	3.5	376
8	Basal cell carcinomas in mice overexpressing Gli2 in skin. <i>Nature Genetics</i> , 2000, 24, 216-217.	9.4	365
9	Polarity-Dependent Distribution of Angiomotin Localizes Hippo Signaling in Preimplantation Embryos. <i>Current Biology</i> , 2013, 23, 1181-1194.	1.8	352
10	Mammalian Tead proteins regulate cell proliferation and contact inhibition as transcriptional mediators of Hippo signaling. <i>Development (Cambridge)</i> , 2008, 135, 4059-4069.	1.2	330
11	Homeobox gene expression correlated with the bifurcation process of limb cartilage development. <i>Nature</i> , 1991, 353, 443-445.	13.7	311
12	HNF-3 β as a regulator of floor plate development. <i>Cell</i> , 1994, 76, 103-115.	13.5	298
13	Cilia at the Node of Mouse Embryos Sense Fluid Flow for Left-Right Determination via Pkd2. <i>Science</i> , 2012, 338, 226-231.	6.0	262
14	Cthrc1 Selectively Activates the Planar Cell Polarity Pathway of Wnt Signaling by Stabilizing the Wnt-Receptor Complex. <i>Developmental Cell</i> , 2008, 15, 23-36.	3.1	255
15	Foxa1 and Foxa2 regulate multiple phases of midbrain dopaminergic neuron development in a dosage-dependent manner. <i>Development (Cambridge)</i> , 2007, 134, 2761-2769.	1.2	251
16	Genetic analysis of zebrafish gli1 and gli2 reveals divergent requirements for gli genes in vertebrate development. <i>Development (Cambridge)</i> , 2003, 130, 1549-1564.	1.2	219
17	The organizer of the mouse gastrula is composed of a dynamic population of progenitor cells for the axial mesoderm. <i>Development (Cambridge)</i> , 2001, 128, 3623-3634.	1.2	212
18	Notch and Hippo Converge on Cdx2 to Specify the Trophectoderm Lineage in the Mouse Blastocyst. <i>Developmental Cell</i> , 2014, 30, 410-422.	3.1	189

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19	HIPPO Pathway Members Restrict SOX2 to the Inner Cell Mass Where It Promotes ICM Fates in the Mouse Blastocyst. <i>PLoS Genetics</i> , 2014, 10, e1004618.	1.5	186
20	Redundant Roles of <i>Tead1</i> and <i>Tead2</i> in Notochord Development and the Regulation of Cell Proliferation and Survival. <i>Molecular and Cellular Biology</i> , 2008, 28, 3177-3189.	1.1	160
21	<i>Foxa1</i> and <i>Foxa2</i> function both upstream of and cooperatively with <i>Lmx1a</i> and <i>Lmx1b</i> in a feedforward loop promoting mesodiencephalic dopaminergic neuron development. <i>Developmental Biology</i> , 2009, 333, 386-396.	0.9	139
22	Molecular analysis of coordinated bladder and urogenital organ formation by Hedgehog signaling. <i>Development (Cambridge)</i> , 2007, 134, 525-533.	1.2	134
23	DNA methylation regulates long-range gene silencing of an X-linked homeobox gene cluster in a lineage-specific manner. <i>Genes and Development</i> , 2006, 20, 3382-3394.	2.7	93
24	Epiblast Formation by TEAD-YAP-Dependent Expression of Pluripotency Factors and Competitive Elimination of Unspecified Cells. <i>Developmental Cell</i> , 2019, 50, 139-154.e5.	3.1	92
25	Enhancer analysis of the mouse <i>HNF3β</i> gene: regulatory elements for node/notochord and floor plate are independent and consist of multiple sub-elements. <i>Genes To Cells</i> , 1996, 1, 59-72.	0.5	90
26	The zebrafish <i>iguana</i> locus encodes <i>Dzip1</i> , a novel zinc-finger protein required for proper regulation of Hedgehog signaling. <i>Development (Cambridge)</i> , 2004, 131, 2521-2532.	1.2	89
27	Roles and regulations of Hippo signaling during preimplantation mouse development. <i>Development Growth and Differentiation</i> , 2017, 59, 12-20.	0.6	81
28	A <i>Wnt5</i> Activity Asymmetry and Intercellular Signaling via PCP Proteins Polarize Node Cells for Left-Right Symmetry Breaking. <i>Developmental Cell</i> , 2017, 40, 439-452.e4.	3.1	79
29	<i>Ski</i> is involved in transcriptional regulation by the repressor and full-length forms of <i>Gli3</i> . <i>Genes and Development</i> , 2002, 16, 2843-2848.	2.7	76
30	Mechanisms of trophectoderm fate specification in preimplantation mouse development. <i>Development Growth and Differentiation</i> , 2010, 52, 263-273.	0.6	72
31	<i>Par</i> - <i>scp</i> - <i>aPKC</i> -dependent and -independent mechanisms cooperatively control cell polarity, Hippo signaling, and cell positioning in 16-cell stage mouse embryos. <i>Development Growth and Differentiation</i> , 2015, 57, 544-556.	0.6	68
32	<i>Ssdp1</i> regulates head morphogenesis of mouse embryos by activating the <i>Lim1-Ldb1</i> complex. <i>Development (Cambridge)</i> , 2005, 132, 2535-2546.	1.2	62
33	Maintenance of the Specification of the Anterior Definitive Endoderm and Forebrain Depends on the Axial Mesendoderm: A Study Using <i>HNF3β/Foxa2</i> Conditional Mutants. <i>Developmental Biology</i> , 2002, 243, 20-33.	0.9	58
34	Position- and polarity-dependent Hippo signaling regulates cell fates in preimplantation mouse embryos. <i>Seminars in Cell and Developmental Biology</i> , 2015, 47-48, 80-87.	2.3	58
35	Notch and Hippo signaling converge on Strawberry Notch 1 (<i>Sbno1</i>) to synergistically activate <i>Cdx2</i> during specification of the trophectoderm. <i>Scientific Reports</i> , 2017, 7, 46135.	1.6	53
36	Short limbs, cleft palate, and delayed formation of flat proliferative chondrocytes in mice with targeted disruption of a putative protein kinase gene, <i>Pkdcc</i> (<i>AW548124</i>). <i>Developmental Dynamics</i> , 2009, 238, 210-222.	0.8	52

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37	Foxa1 and Foxa2 positively and negatively regulate Shh signalling to specify ventral midbrain progenitor identity. <i>Mechanisms of Development</i> , 2011, 128, 90-103.	1.7	50
38	Cell competition in mouse NIH3T3 embryonic fibroblasts controlled by Tead activity and Myc. <i>Journal of Cell Science</i> , 2015, 128, 790-803.	1.2	50
39	Wnt signaling maintains the notochord fate for progenitor cells and supports the posterior extension of the notochord. <i>Mechanisms of Development</i> , 2009, 126, 791-803.	1.7	46
40	Tead4 is constitutively nuclear, while nuclear vs. cytoplasmic Yap distribution is regulated in preimplantation mouse embryos. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, E3389-90; author reply E3391-2.	3.3	44
41	The role of angiomin phosphorylation in the Hippo pathway during preimplantation mouse development. <i>Tissue Barriers</i> , 2014, 2, e28127.	1.6	44
42	Tead proteins activate the Foxa2 enhancer in the node in cooperation with a second factor. <i>Development (Cambridge)</i> , 2005, 132, 4719-4729.	1.2	43
43	Nuclear localization of Prickle2 is required to establish cell polarity during early mouse embryogenesis. <i>Developmental Biology</i> , 2012, 364, 138-148.	0.9	43
44	Generation of knock-in mice that express nuclear enhanced green fluorescent protein and tamoxifen-inducible Cre recombinase in the notochord from <i>Foxa2</i> and <i>T</i> loci. <i>Genesis</i> , 2013, 51, 210-218.	0.8	37
45	Specific DNA binding of the two chicken Deformed family homeodomain proteins, Chox-1.4 and Chox-a. <i>Nucleic Acids Research</i> , 1990, 18, 1739-1747.	6.5	34
46	Mechanical control of notochord morphogenesis by extra-embryonic tissues in mouse embryos. <i>Mechanisms of Development</i> , 2014, 132, 44-58.	1.7	32
47	GFRA2 Identifies Cardiac Progenitors and Mediates Cardiomyocyte Differentiation in a RET-Independent Signaling Pathway. <i>Cell Reports</i> , 2016, 16, 1026-1038.	2.9	32
48	Identification of essential sequence motifs in the node/notochord enhancer of Foxa2 (Hnf3 ^β) gene that are conserved across vertebrate species. <i>Mechanisms of Development</i> , 2001, 102, 57-66.	1.7	25
49	The nucleotide sequence of the cDNA encoding a chicken Deformed family homeobox gene, Chox-Z. <i>Nucleic Acids Research</i> , 1990, 18, 184-184.	6.5	18
50	Neural Progenitor Cells Undergoing Yap/Tead-Mediated Enhanced Self-Renewal Form Heterotopias More Easily in the Diencephalon than in the Telencephalon. <i>Neurochemical Research</i> , 2018, 43, 180-189.	1.6	17
51	Expression of ADP-ribosylation factor (ARF)-like protein 6 during mouse embryonic development. <i>International Journal of Developmental Biology</i> , 2005, 49, 891-894.	0.3	15
52	Developmental Timing of Synthesis and Translation of Arylsulfatase mRNA in Sea Urchin Embryo. (sea) Tj ETQq0 0 0 rgBT /Overlock 10 T Differentiation, 1987, 29, 317-322.	0.6	12
53	Distribution pattern of HNF-3β proteins in developing embryos of two mammalian species, the house shrew and the mouse. <i>Development Growth and Differentiation</i> , 1997, 39, 667-676.	0.6	12
54	Cell type dependent transcription regulation by chick homeodomain proteins. <i>Mechanisms of Development</i> , 1992, 37, 25-36.	1.7	11

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55	Obesity in Yap transgenic mice is associated with TAZ downregulation. <i>Biochemical and Biophysical Research Communications</i> , 2018, 505, 951-957.	1.0	11
56	Cell competition controls differentiation in mouse embryos and stem cells. <i>Current Opinion in Cell Biology</i> , 2020, 67, 1-8.	2.6	6
57	Differential Cellular Stiffness Contributes to Tissue Elongation on an Expanding Surface. <i>Frontiers in Cell and Developmental Biology</i> , 2022, 10, 864135.	1.8	3
58	Position-Dependent Hippo Signaling Controls Cell Fates in Preimplantation Mouse Embryos. , 2014, , 41-53.		1
59	Roles of Hippo Signaling During Mouse Embryogenesis. , 2013, , 249-264.		0