

# Hiroki Otani

## List of Publications by Year in descending order

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Version: 2024-02-01

74  
papers

27,592  
citations

361045

20  
h-index

95083

68  
g-index

75  
all docs

75  
docs citations

75  
times ranked

61384  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ror2 signaling regulates Golgi structure and transport through IFT20 for tumor invasiveness. <i>Scientific Reports</i> , 2017, 7, 1.	1.6	26,112
2	Mouse Ror2 receptor tyrosine kinase is required for the heart development and limb formation. <i>Genes To Cells</i> , 2000, 5, 71-78.	0.5	197
3	The Role of Leptin in the Development of the Cerebral Cortex in Mouse Embryos. <i>Endocrinology</i> , 2006, 147, 647-658.	1.4	96
4	The Role of gp130 in Cerebral Cortical Development: <i>In Vivo</i> Functional Analysis in a Mouse <i>Exo Utero</i> System. <i>Journal of Neuroscience</i> , 2002, 22, 5516-5524.	1.7	73
5	Ror2 is required for midgut elongation during mouse development. <i>Developmental Dynamics</i> , 2010, 239, 941-953.	0.8	73
6	Roles of leptin in prenatal and perinatal brain development. <i>Congenital Anomalies (discontinued)</i> , 2007, 47, 77-83.	0.3	63
7	Expression of the long form of leptin receptor (Ob-Rb) mRNA in the brain of mouse embryos and newborn mice. <i>Brain Research</i> , 2000, 868, 251-258.	1.1	62
8	Diabetic Environment and Genetic Predisposition as Causes of Congenital Malformations in NOD Mouse Embryos. <i>Diabetes</i> , 1991, 40, 1245-1250.	0.3	60
9	Lactosylceramide synthases encoded by B4galt5 and 6 genes are pivotal for neuronal generation and myelin formation in mice. <i>PLoS Genetics</i> , 2018, 14, e1007545.	1.5	50
10	Role of Wnt5a-Ror2 Signaling in Morphogenesis of the Metanephric Mesenchyme during Ureteric Budding. <i>Molecular and Cellular Biology</i> , 2014, 34, 3096-3105.	1.1	45
11	Occlusion and subsequent re-canalization in early duodenal development of human embryos: integrated organogenesis and histogenesis through a possible epithelial-mesenchymal interaction. <i>Anatomy and Embryology</i> , 2002, 205, 53-65.	1.5	43
12	Maternal Leukemia Inhibitory Factor (LIF) Promotes Fetal Neurogenesis via a LIF-ACTH-LIF Signaling Relay Pathway. <i>Endocrinology</i> , 2010, 151, 1853-1862.	1.4	37
13	Spatial and temporal patterns of expression of melanocortin type 2 and 5 receptors in the fetal mouse tissues and organs. <i>Anatomy and Embryology</i> , 2006, 211, 109-117.	1.5	35
14	Development of the meniscus of the knee joint in human fetuses. <i>Congenital Anomalies (discontinued)</i> , 2009, 49, 27-32.	0.3	32
15	The role of leptin in the development of the cortical neuron in mouse embryos. <i>Brain Research</i> , 2006, 1120, 74-82.	1.1	31
16	Leptin affects oligodendroglial development in the mouse embryonic cerebral cortex. <i>Neuroendocrinology Letters</i> , 2006, 27, 177-82.	0.2	30
17	Fetal jaw movement affects <i>Ihh</i> signaling in mandibular condylar cartilage development: The possible role of <i>Ihh</i> as mechanotransduction mediator. <i>Archives of Oral Biology</i> , 2014, 59, 1108-1118.	0.8	27
18	Melanocortins Contribute to Sequential Differentiation and Enucleation of Human Erythroblasts via Melanocortin Receptors 1, 2 and 5. <i>PLoS ONE</i> , 2015, 10, e0123232.	1.1	27

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19	Maternal Factors in a Model of Type 1 Diabetes Differentially Affect the Development of Insulinitis and Overt Diabetes in Offspring. <i>Diabetes</i> , 2005, 54, 2026-2031.	0.3	25
20	Ultrastructure of the developing stomach in human embryos. <i>Anatomy and Embryology</i> , 1993, 187, 145-51.	1.5	22
21	Interkinetic nuclear migration during early development of midgut and ureteric epithelia. <i>Anatomical Science International</i> , 2013, 88, 31-37.	0.5	21
22	Application of the mouse exo utero development system in the study of developmental biology and teratology. <i>Congenital Anomalies (discontinued)</i> , 2004, 44, 2-8.	0.3	20
23	Induction of Ectopic Corticotropic Tumor in Mouse Embryos by Exo Utero Cell Transplantation and Its Effects on the Fetal Adrenal Gland. <i>Endocrinology</i> , 1998, 139, 3306-3315.	1.4	19
24	Quantitative analyses of leukemia inhibitory factor in the cerebrospinal fluid in mouse embryos. <i>NeuroReport</i> , 2006, 17, 1863-1866.	0.6	19
25	Fetal jaw movement affects development of articular disk in the temporomandibular joint. <i>Congenital Anomalies (discontinued)</i> , 2007, 47, 53-57.	0.3	19
26	Mouse exo utero development system: Protocol and troubleshooting. <i>Congenital Anomalies (discontinued)</i> , 2008, 48, 183-187.	0.3	18
27	Diet with a low n-6/n-3 essential fatty acid ratio when started immediately after the onset of overt diabetes prolongs survival of type 1 diabetes model NOD mice. <i>Congenital Anomalies (discontinued)</i> , 2010, 50, 226-231.	0.3	17
28	Development of the pons in human fetuses. <i>Congenital Anomalies (discontinued)</i> , 2007, 47, 63-67.	0.3	15
29	Morphometric study on the characteristic external features of normal and abnormal human embryos. <i>Congenital Anomalies (discontinued)</i> , 2008, 48, 18-28.	0.3	15
30	Effects of melanocortins on fetal development. <i>Congenital Anomalies (discontinued)</i> , 2011, 51, 47-54.	0.3	15
31	Contribution of RGD sequence to neuronal migration in developing cerebral cortex. <i>NeuroReport</i> , 1994, 5, 2261-2264.	0.6	14
32	Morphological and morphometric study on sphenoid and basioccipital ossification in normal human fetuses. <i>Congenital Anomalies (discontinued)</i> , 2011, 51, 138-148.	0.3	14
33	Leptin deficiency causes pycnotic change in fetal cingulate cortical cells. <i>Congenital Anomalies (discontinued)</i> , 2006, 46, 16-20.	0.3	13
34	Maternal dietary n-6/n-3 fatty acid ratio affects type 1 diabetes development in the offspring of non-obese diabetic mice. <i>Congenital Anomalies (discontinued)</i> , 2010, 50, 212-220.	0.3	13
35	Perinatal development of the rat hip joint with restrained fetal movement. <i>Congenital Anomalies (discontinued)</i> , 2002, 42, 135-142.	0.3	12
36	Effects of restriction of fetal jaw movement on prenatal development of the temporalis muscle. <i>Archives of Oral Biology</i> , 2010, 55, 919-927.	0.8	12

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37	Analysis of the harmonized growth pattern of fetal organs by multidimensional scaling and hierarchical clustering. <i>Congenital Anomalies (discontinued)</i> , 2010, 50, 175-185.	0.3	11
38	Maternal undernutrition during early pregnancy inhibits postnatal growth of the tibia in the female offspring of rats by alteration of chondrogenesis. <i>General and Comparative Endocrinology</i> , 2018, 260, 58-66.	0.8	11
39	Development of olfactory epithelium in the human fetus: Scanning electron microscopic observations. <i>Congenital Anomalies (discontinued)</i> , 2009, 49, 102-107.	0.3	10
40	In Vivo Analysis of Arg-Gly-Asp Sequence/Integrin $\alpha 5 \beta 1$ -Mediated Signal Involvement in Embryonic Enchondral Ossification by <i>Exo Utero</i> Development System. <i>Journal of Bone and Mineral Research</i> , 2014, 29, 1554-1563.	3.1	10
41	Effects of chronic administration of arachidonic acid on lipid profiles and morphology in the skeletal muscles of aged rats. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2014, 91, 119-127.	1.0	10
42	Role of Nutritional Factors at the Early Life Stages in the Pathogenesis and Clinical Course of Type 1 Diabetes. <i>BioMed Research International</i> , 2015, 2015, 1-9.	0.9	10
43	Interkinetic nuclear migration in the mouse embryonic ureteric epithelium: Possible implication for congenital anomalies of the kidney and urinary tract. <i>Congenital Anomalies (discontinued)</i> , 2016, 56, 127-134.	0.3	9
44	Chromosome Analysis of Postimplantation Stage Embryos for Studying Possible Causes of Developmental Abnormalities in Nonobese Diabetic Mice. <i>Neonatology</i> , 1991, 60, 395-402.	0.9	8
45	Maternal environment affects endogenous virus induction in the offspring of type 1 diabetes model non-obese diabetic mice. <i>Congenital Anomalies (discontinued)</i> , 2005, 45, 80-84.	0.3	8
46	Cross- and Triple-Ratios of Human Body Parts During Development. <i>Anatomical Record</i> , 2011, 294, 1360-1369.	0.8	8
47	Effects of Restrained Fetal Movement on the Development of the Rat Hip Joint. <i>Congenital Anomalies (discontinued)</i> , 1998, 38, 259-270.	0.3	7
48	Statistical analyses in trials for the comprehensive understanding of organogenesis and histogenesis in humans and mice. <i>Journal of Biochemistry</i> , 2016, 159, 553-561.	0.9	7
49	Chromosome Analysis in Preimplantation Stage Embryos of Non-Obese Diabetic (NOD) Mice. <i>Congenital Anomalies (discontinued)</i> , 1989, 29, 7-13.	0.3	6
50	Adrenocorticotrophic hormone affects nonapoptotic cell death of undifferentiated germ cells in the fetal mouse testis: In vivo study by exo utero transplantation of corticotrophic tumor cells into embryos. <i>Congenital Anomalies (discontinued)</i> , 2008, 48, 81-86.	0.3	6
51	Individual variation in organ histogenesis as a causative factor in the developmental origins of health and disease: Unnoticed congenital anomalies?. <i>Congenital Anomalies (discontinued)</i> , 2010, 50, 205-211.	0.3	6
52	Extracranial outflow of particles solved in cerebrospinal fluid: Fluorescein injection study. <i>Congenital Anomalies (discontinued)</i> , 2018, 58, 93-98.	0.3	6
53	Interkinetic nuclear migration in the tracheal and esophageal epithelia of the mouse embryo: Possible implications for tracheo-oesophageal anomalies. <i>Congenital Anomalies (discontinued)</i> , 2018, 58, 62-70.	0.3	6
54	Correlation between musculoskeletal structure of the hand and primate locomotion: Morphometric and mechanical analysis in prehension using the cross- and triple-ratios. <i>PLoS ONE</i> , 2020, 15, e0232397.	1.1	6

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55	Morphologic changes in the cytoskeleton and adhesion apparatus during the conversion from pseudostratified single columnar to stratified squamous epithelium in the developing mouse esophagus. <i>Congenital Anomalies (discontinued)</i> , 2021, 61, 14-24.	0.3	6
56	Role of interleukin-15 in the development of mouse olfactory nerve. <i>Congenital Anomalies (discontinued)</i> , 2009, 49, 253-257.	0.3	5
57	Mathematical Analysis of Mandibular Morphogenesis by Micro-CT-Based Mouse and Alizarin Red S-Stained-Based Human Studies During Development. <i>Anatomical Record</i> , 2012, 295, 313-327.	0.8	4
58	Survey on awareness of folic acid recognition and intake by female students. <i>Congenital Anomalies (discontinued)</i> , 2017, 57, 166-170.	0.3	4
59	Melanocortin 5 receptor contributes to sensitivity to UV-B waves and barrier function in mouse epidermis. <i>JID Innovations</i> , 2021, 1, 100024.	1.2	4
60	Adrenocorticotrophic tumor cells transplanted into mouse embryos affect pancreatic histogenesis. <i>Congenital Anomalies (discontinued)</i> , 2011, 51, 62-69.	0.3	3
61	Cerebrospinal fluid may flow out from the brain through the frontal skull base and choroid plexus: a gold colloid and cadaverine injection study in mouse fetus. <i>Child's Nervous System</i> , 2021, 37, 3013-3020.	0.6	3
62	Analysis of polyploid cells in mouse embryonic cells cultured under diabetic conditions. <i>Congenital Anomalies (discontinued)</i> , 2006, 46, 149-154.	0.3	2
63	The LMSR method for providing a multidimensional understanding of growth standard in human fetuses. <i>Statistical Methods in Medical Research</i> , 2018, 27, 2809-2830.	0.7	2
64	Development of the smooth muscle layer in the ileum of mouse embryos. <i>Anatomical Science International</i> , 2021, 96, 97-105.	0.5	2
65	Statistical analysis with dilatation for development process of human fetuses. <i>Statistical Methods in Medical Research</i> , 2017, 26, 176-200.	0.7	1
66	Classification by degree of twisted structure of the fetal Achilles tendon. <i>Surgical and Radiologic Anatomy</i> , 2021, 43, 1691-1695.	0.6	1
67	Number of fiber bundles in the fetal anterior talofibular ligament. <i>Surgical and Radiologic Anatomy</i> , 2021, 43, 2077-2081.	0.6	1
68	Maternal intake of essential fatty acid affects development of type 1 diabetes in the offspring. <i>Journal of Lipid Nutrition</i> , 2013, 22, 35-43.	0.1	1
69	Global pattern of interkinetic nuclear migration in tracheoesophageal epithelia of the mouse embryo: Interorgan and intraorgan regional differences. <i>Congenital Anomalies (discontinued)</i> , 2021, 61, 82-96.	0.3	0
70	Histomorphometric analysis of the epithelial lumen, mesenchyme, smooth muscle cell layers, and mesentery of the mouse developing duodenum in relation with the macroscopic morphogenesis. <i>Anatomical Science International</i> , 2021, 96, 450-460.	0.5	0
71	Title is missing!. , 2020, 15, e0232397.		0
72	Title is missing!. , 2020, 15, e0232397.		0

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73	Title is missing!. , 2020, 15, e0232397.		0
74	Title is missing!. , 2020, 15, e0232397.		0