Minoru Tanaka

List of Publications by Year
in descending order

47	2,912	186265 28	233421 45
papers	citations	h-index	g-index

47	47	47	1769
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Germ cells are essential for sexual dimorphism in the medaka gonad. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 16958-16963.	7.1	255
2	Thehoteimutation of medaka in the anti-MÃ¼llerian hormone receptor causes the dysregulation of germ cell and sexual development. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 9691-9696.	7.1	234
3	Identification of Germline Stem Cells in the Ovary of the Teleost Medaka. Science, 2010, 328, 1561-1563.	12.6	224
4	The vasaâ€like gene, olvas, identifies the migration path of primordial germ cells during embryonic body formation stage in the medaka, Oryzias latipes. Development Growth and Differentiation, 2000, 42, 317-326.	1.5	202
5	Proliferation of germ cells during gonadal sex differentiation in medaka: Insights from germ cell-depleted mutant zenzai. Developmental Biology, 2007, 310, 280-290.	2.0	132
6	foxl3 is a germ cellâ€“intrinsic factor involved in sperm-egg fate decision in medaka. Science, 2015, 349, 328-331.	12.6	115
7	Hyperproliferation of mitotically active germ cells due to defective anti-MÃ¼llerian hormone signaling mediates sex reversal in medaka. Development (Cambridge), 2012, 139, 2283-2287.	2.5	105
8	Isolation, characterization, and expression of cDNAs encoding the medaka (Oryzias latipes) ovarian follicle cytochrome P-450 aromatase. Molecular Reproduction and Development, 1996, 45, 285-290.	2.0	100
9	Transcriptional Rewiring of the Sex Determining dmrt1 Gene Duplicate by Transposable Elements. PLoS Genetics, 2010, 6, e1000844.	3.5	100
10	Timeâ€lapse analysis reveals different modes of primordial germ cell migration in the medaka Oryzias latipes. Development Growth and Differentiation, 2006, 48, 209-221.	1.5	98
11	Expression of Aromatase mRNA and effects of aromatase inhibitor during ovarian development in the medaka, Oryzias latipes. The Journal of Experimental Zoology, 2004, 301A, 266-273.	1.4	93
12	Analysis of Medaka sox9 Orthologue Reveals a Conserved Role in Germ Cell Maintenance. PLoS ONE, 2012, 7, e29982.	2.5	87
13	Identification and lineage tracing of two populations of somatic gonadal precursors in medaka embryos. Developmental Biology, 2006, 295, 678-688.	2.0	85
14	Rainbow trout cytochrome Pâ€450_{c17} (17Î±â€hydroxylase/17,20â€lyase) cDNA cloning, enzymatic properties and temporal pattern of ovarian Pâ€450_{c17} mRNA expression during oogenesis. FEBS Letters, 1992, 301, 60-64.	2.8	80
15	Sox9b/sox9a2â€EGFP transgenic medaka reveals the morphological reorganization of the gonads and a common precursor of both the female and male supporting cells. Molecular Reproduction and Development, 2008, 75, 472-476.	2.0	76
16	Gonadal Development in Fish. Sexual Development, 2014, 8, 252-261.	2.0	74
17	Divergent Expression Regulation of Gonad Development Genes in Medaka Shows Incomplete Conservation of the Downstream Regulatory Network of Vertebrate Sex Determination. Molecular Biology and Evolution, 2013, 30, 2328-2346.	8.9	65
18	Expression and Syntenic Analyses of FournanosGenes in Medaka. Zoological Science, 2009, 26, 112-118.	0.7	59

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19	Ovarian 3,Î²-hydroxysteroid dehydrogenase/Î”5-4-isomerase of rainbow trout: Its cDNA cloning and properties of the enzyme expressed in a mammalian cell. FEBS Letters, 1994, 350, 309-313.	2.8	54
20	Ovarian Germline Stem Cells in the Teleost Fish, Medaka (Oryzias latipes). International Journal of Biological Sciences, 2011, 7, 403-409.	6.4	53
21	Cross talk between germ cells and gonadal somatic cells is critical for sex differentiation of the gonads in the teleost fish, medaka (Oryzias latipes). Development Growth and Differentiation, 2008, 50, 273-278.	1.5	48
22	Germ cells in the teleost fish medaka have an inherent feminizing effect. PLoS Genetics, 2018, 14, e1007259.	3.5	48
23	Rainbow trout ovarian cholesterol side-chain cleavage cytochrome P450 (P450scc). FEBS Letters, 1993, 319, 45-48.	2.8	46
24	Two distinct types of theca cells in the medaka gonad: Germ cellâ€dependent maintenance of cyp19a1â€expressing theca cells. Developmental Dynamics, 2009, 238, 2652-2657.	1.8	45
25	Fish testicular 11Î²-hydroxylase : cDNA cloning and mRNA expression during spermatogenesis. FEBS Letters, 1996, 397, 250-252.	2.8	44
26	Temporal and spatial localization of three germlineâ€specific proteins in medaka. Developmental Dynamics, 2008, 237, 800-807.	1.8	44
27	Generation of transgenic medaka using modified bacterial artificial chromosome. Development Growth and Differentiation, 2008, 50, 415-419.	1.5	41
28	Teleost Ovarian Carbonyl Reductase-Like 20Î²-Hydroxysteroid Dehydrogenase: Potential Role in the Production of Maturation-Inducing Hormone During Final Oocyte Maturation1. Biology of Reproduction, 2002, 66, 1498-1504.	2.7	36
29	Starvation causes female-to-male sex reversal through lipid metabolism in the teleost fish, medaka (Olyzias latipes). Biology Open, 2020, 9, .	1.2	31
30	Increase of cortisol levels after temperature stress activates dmrt1a causing femaleâ€toâ€male sex reversal and reduced germ cell number in medaka. Molecular Reproduction and Development, 2019, 86, 1405-1417.	2.0	30
31	foxl3 , a sexual switch in germ cells, initiates two independent molecular pathways for commitment to oogenesis in medaka. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 12174-12181.	7.1	29
32	The Sox gene family and its expression during embryogenesis in the teleost fish, medaka (Oryzias) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.5	26
33	The Mechanism of Germline Sex Determination in Vertebrates. Biology of Reproduction, 2016, 95, 30-30.	2.7	25
34	Germline stem cells are critical for sexual fate decision of germ cells. BioEssays, 2016, 38, 1227-1233.	2.5	23
35	A Structurally and Functionally Common Unit in Testes and Ovaries of Medaka <b>(Oryzias) Tj ETQq1 1 0.784314 rgBT /Overlock	2.0	18
36	Novel components of germline sex determination acting downstream of foxl3 in medaka. Developmental Biology, 2019, 445, 80-89.	2.0	17

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37	Vertebrate female germlineâ€"the acquisition of femaleness. Wiley Interdisciplinary Reviews: Developmental Biology, 2014, 3, 231-238.	5.9	16
38	Analysis of a novel gene, Sdgc, reveals sex chromosome-dependent differences of medaka germ cells prior to gonad formation. Development (Cambridge), 2014, 141, 3363-3369.	2.5	15
39	Inhibitory Guanine-nucleotide-binding-regulatory Protein alpha Subunits in Medaka (Oryzias latipes) Oocytes. cDNA Cloning and Decreased Expression of Proteins During Oocyte Maturation. FEBS Journal, 1997, 249, 846-853.	0.2	12
40	Regulation of germ cell sex identity in medaka. Current Topics in Developmental Biology, 2019, 134, 151-165.	2.2	8
41	Metabolism and Sex Differentiation in Animals from a Starvation Perspective. Sexual Development, 2021, 15, 168-178.	2.0	7
42	Medaka Genome Mapping for Functional Genomics. Molecular Aspects of Fish and Marine Biology, 2004, , 612-636.	0.2	3
43	Zygotic nanos3 Mutant Medaka (Oryzias latipes) Displays Gradual Loss of Germ Cells and Precocious Spermatogenesis During Gonadal Development. Zoological Science, 2022, 39, .	0.7	3
44	Dynamics of Spermatogenesis and Change in Testicular Morphology under â€˜Matingâ€™ and â€˜Non-Matingâ€™ Conditions in Medaka (Oryzias latipes). Zoological Science, 2021, 38, 436-443.	0.7	2
45	Functional Modules in Gametogenesis. Frontiers in Cell and Developmental Biology, 2022, 10, .	3.7	2
46	Observation of Larval by Immunohistochemistry and. Methods in Molecular Biology, 2021, 2218, 209-218.	0.9	1
47	Isolation, characterization, and expression of cDNAs encoding the medaka (Oryzias latipes) ovarian follicle cytochrome P-450 aromatase. , 1996, 45, 285.		1