

# Takeshi Kitano

## List of Publications by Year in descending order

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65  
papers

2,725  
citations

279487

23  
h-index

197535

49  
g-index

67  
all docs

67  
docs citations

67  
times ranked

2272  
citing authors

#	ARTICLE	IF	CITATIONS
1	An aromatase inhibitor or high water temperature induce oocyte apoptosis and depletion of P450 aromatase activity in the gonads of genetic female zebrafish during sex-reversal. <i>Comparative Biochemistry and Physiology Part A, Molecular &amp; Integrative Physiology</i> , 2004, 137, 11-20.	0.8	242
2	Aromatase inhibitor and 17 $\beta$ -methyltestosterone cause sex-reversal from genetical females to phenotypic males and suppression of P450 aromatase gene expression in Japanese flounder ( <i>Paralichthys olivaceus</i> )., 2000, 56, 1-5.		221
3	Follicle-stimulating hormone signaling and Foxl2 are involved in transcriptional regulation of aromatase gene during gonadal sex differentiation in Japanese flounder, <i>Paralichthys olivaceus</i> . <i>Biochemical and Biophysical Research Communications</i> , 2007, 359, 935-940.	1.0	214
4	Concentrations and compositions of organochlorine contaminants in sediments, soils, crustaceans, fishes and birds collected from Lake Tai, Hangzhou Bay and Shanghai city region, China. <i>Environmental Pollution</i> , 2005, 133, 415-429.	3.7	182
5	Cortisol Is Involved in Temperature-Dependent Sex Determination in the Japanese Flounder. <i>Endocrinology</i> , 2010, 151, 3900-3908.	1.4	177
6	High temperature causes masculinization of genetically female medaka by elevation of cortisol. <i>Molecular Reproduction and Development</i> , 2010, 77, 679-686.	1.0	170
7	Tributyltin causes masculinization in fish. <i>Environmental Toxicology and Chemistry</i> , 2003, 22, 141-144.	2.2	163
8	Sexually dimorphic expression of a teleost homologue of Müllerian inhibiting substance during gonadal sex differentiation in Japanese flounder, <i>Paralichthys olivaceus</i> . <i>Biochemical and Biophysical Research Communications</i> , 2004, 322, 508-513.	1.0	124
9	Estrogen rescues masculinization of genetically female medaka by exposure to cortisol or high temperature. <i>Molecular Reproduction and Development</i> , 2012, 79, 719-726.	1.0	94
10	Cyp11b1 Is Induced in the Murine Gonad by Luteinizing Hormone/Human Chorionic Gonadotropin and Involved in the Production of 11-Ketotestosterone, a Major Fish Androgen: Conservation and Evolution of the Androgen Metabolic Pathway. <i>Endocrinology</i> , 2008, 149, 1786-1792.	1.4	76
11	11-Ketotestosterone Is a Major Androgen Produced in Human Gonads. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2016, 101, 3582-3591.	1.8	73
12	Loss of Follicle-Stimulating Hormone Receptor Function Causes Masculinization and Suppression of Ovarian Development in Genetically Female Medaka. <i>Endocrinology</i> , 2014, 155, 3136-3145.	1.4	66
13	Infrared laser-mediated local gene induction in medaka, zebrafish and <i>Arabidopsis thaliana</i> . <i>Development Growth and Differentiation</i> , 2009, 51, 769-775.	0.6	64
14	Müllerian Inhibiting Substance Is Required for Germ Cell Proliferation during Early Gonadal Differentiation in Medaka ( <i>Oryzias latipes</i> ). <i>Endocrinology</i> , 2008, 149, 1813-1819.	1.4	63
15	High temperature induces cyp26b1 mRNA expression and delays meiotic initiation of germ cells by increasing cortisol levels during gonadal sex differentiation in Japanese flounder. <i>Biochemical and Biophysical Research Communications</i> , 2012, 419, 287-292.	1.0	63
16	Tamoxifen induces masculinization of genetic females and regulates P450 aromatase and Müllerian inhibiting substance mRNA expression in Japanese flounder ( <i>Paralichthys olivaceus</i> ). <i>Molecular Reproduction and Development</i> , 2007, 74, 1171-1177.	1.0	56
17	Tributyltin causes abnormal development in embryos of medaka, <i>Oryzias latipes</i> . <i>Chemosphere</i> , 2007, 69, 927-933.	4.2	54
18	Purification and Characterization of Tributyltin-binding Protein Type 2 from Plasma of Japanese Flounder, <i>Paralichthys olivaceus</i> . <i>Journal of Biochemistry</i> , 2007, 142, 229-238.	0.9	41

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19	Androgen/androgen receptor pathway regulates expression of the genes for cyclooxygenase-2 and amphiregulin in periovulatory granulosa cells. <i>Molecular and Cellular Endocrinology</i> , 2013, 369, 42-51.	1.6	40
20	Strain difference of cadmium accumulation by liver slices of inbred Wistar-Imamichi and Fischer 344 rats. <i>Toxicology in Vitro</i> , 2008, 22, 338-343.	1.1	36
21	Purification and identification of a tributyltin-binding protein from serum of Japanese flounder, <i>Paralichthys olivaceus</i> . <i>Environmental Toxicology and Chemistry</i> , 2002, 21, 1229-1235.	2.2	35
22	Transactivation activity of thyroid hormone receptors in fish (Conger myriaster) in response to thyroid hormones. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2006, 144, 503-509.	0.7	34
23	Targeted disruption of exogenous <i>EGFP</i> gene in medaka using zinc-finger nucleases. <i>Development Growth and Differentiation</i> , 2012, 54, 546-556.	0.6	32
24	Novel method for mass producing genetically sterile fish from surrogate broodstock via spermatogonial transplantation. <i>Biology of Reproduction</i> , 2019, 100, 535-546.	1.2	31
25	Generation of biallelic F0 mutants in medaka using the CRISPR/Cas9 system. <i>Genes To Cells</i> , 2017, 22, 756-763.	0.5	25
26	Identification of a Functional Medaka Heat Shock Promoter and Characterization of Its Ability to Induce Exogenous Gene Expression in Medaka in Vitro and In Vivo. <i>Zoological Science</i> , 2010, 27, 410-415.	0.3	23
27	Heat shock factor 1 protects germ cell proliferation during early ovarian differentiation in medaka. <i>Scientific Reports</i> , 2019, 9, 6927.	1.6	23
28	Abnormal spermatogenesis at low temperatures in the Japanese red-bellied newt, <i>Cynops pyrrhogaster</i> : Possible biological significance of the cessation of spermatocytogenesis. <i>Molecular Reproduction and Development</i> , 2003, 66, 60-66.	1.0	22
29	Organochlorine Contaminants in Human Adipose Tissues from China: A Mass Balance Approach for Estimating Historical Chinese Exposure To DDTs. <i>Environmental Science &amp; Technology</i> , 2005, 39, 4714-4720.	4.6	22
30	Tributyltin-binding protein type 1 has a distinctive lipocalin-like structure and is involved in the excretion of tributyltin in Japanese flounder, <i>Paralichthys olivaceus</i> . <i>Aquatic Toxicology</i> , 2008, 90, 292-299.	1.9	20
31	Evaluation of 17 $\beta$ -hydroxysteroid dehydrogenase activity using androgen receptor-mediated transactivation. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2020, 196, 105493.	1.2	20
32	Assessment of estrogenic chemicals using an estrogen receptor $ER\alpha$ - and $ER\beta$ -mediated reporter gene assay in fish. <i>Marine Biology</i> , 2006, 149, 49-55.	0.7	17
33	Diethylstilbestrol administration inhibits theca cell androgen and granulosa cell estrogen production in immature rat ovary. <i>Scientific Reports</i> , 2017, 7, 8374.	1.6	15
34	Peroxisome proliferator-activated receptor alpha is involved in the temperature-induced sex differentiation of a vertebrate. <i>Scientific Reports</i> , 2020, 10, 11672.	1.6	13
35	Promotion of cathepsin L activity in newt spermatogonial apoptosis induced by prolactin. <i>FEBS Letters</i> , 2002, 521, 43-46.	1.3	12
36	Size-selective junctional barrier and Ca <sup>2+</sup> -independent cell adhesion in the testis of <i>Cynops pyrrhogaster</i> : Expression and Function of Occludin. <i>Molecular Reproduction and Development</i> , 2008, 75, 202-216.	1.0	12

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37	11-Ketotestosterone is a major androgen produced in porcine adrenal glands and testes. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2021, 210, 105847.	1.2	12
38	Identification of two teleost homologs of the <i>Drosophila</i> sex determination factor, transformer-2 in medaka ( <i>Oryzias latipes</i> ). <i>Mechanisms of Development</i> , 2004, 121, 991-996.	1.7	11
39	Gonadal expression profiles of sex-specific genes during early sexual differentiation in Japanese eel <i>Anguilla japonica</i> . <i>Fisheries Science</i> , 2021, 87, 203-209.	0.7	11
40	Purification and characterization of tributyltin-binding protein of tiger puffer, <i>Takifugu rubripes</i> . <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2011, 153, 17-23.	1.3	10
41	Involvement of Heat Shock Proteins on the Transcriptional Regulation of Corticotropin-Releasing Hormone in Medaka. <i>Frontiers in Endocrinology</i> , 2019, 10, 529.	1.5	10
42	Roles of Gonadotropin Receptors in Sexual Development of Medaka. <i>Cells</i> , 2022, 11, 387.	1.8	10
43	Nanosecond Pulsed Electric Field Suppresses Development of Eyes and Germ Cells through Blocking Synthesis of Retinoic Acid in Medaka ( <i>Oryzias latipes</i> ). <i>PLoS ONE</i> , 2013, 8, e70670.	1.1	9
44	Profiles of 5 $\alpha$ -Reduced Androgens in Humans and Eels: 5 $\alpha$ -Dihydrotestosterone and 11-Ketodihydrotestosterone Are Active Androgens Produced in Eel Gonads. <i>Frontiers in Endocrinology</i> , 2021, 12, 657360.	1.5	9
45	Abnormal nuclear morphology is independent of longevity in a <i>zmpste24</i> -deficient fish model of Hutchinson-Gilford progeria syndrome (HGPS). <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2018, 209, 54-62.	1.3	8
46	Detoxification roles of tributyltin-binding protein type 2 in Japanese medaka ( <i>Oryzias latipes</i> ) exposed to tributyltin. <i>Marine Pollution Bulletin</i> , 2020, 159, 111445.	2.3	8
47	Cyclooxygenase-2 is acutely induced by CCAAT/enhancer-binding protein 1 $\beta$ to produce prostaglandin E <sub>2</sub> and F <sub>2</sub> following gonadotropin stimulation in Leydig cells. <i>Molecular Reproduction and Development</i> , 2019, 86, 786-797.	1.0	7
48	Oxidative Stress Causes Masculinization of Genetically Female Medaka Without Elevating Cortisol. <i>Frontiers in Endocrinology</i> , 0, 13, .	1.5	7
49	Stereoselective reduction of 4-benzoylpyridine in the heart of vertebrates. <i>Life Sciences</i> , 2007, 80, 554-558.	2.0	6
50	Isolation, cloning, sequencing of brain type aromatase and its expression in male and female Wrasse, <i>Pseudolabrus sieboldi</i> . <i>Fish Physiology and Biochemistry</i> , 2005, 31, 137-141.	0.9	5
51	Bidirectional Sex Change Induced by Sex Steroid Implantation in the Hermaphrodite Fish, <i>Pseudolabrus sieboldi</i> . <i>Journal of Experimental Zoology</i> , 2012, 317, 552-560.	1.2	5
52	Molecular Cloning and Bacterial Expression of the Catalytic Domain of the SENP1 Gene of <i>Oryzias latipes</i> . <i>Bioscience, Biotechnology and Biochemistry</i> , 2013, 77, 1788-1791.	0.6	5
53	Cortisol induces masculinization of XX medaka through gonadal soma-derived growth factor (GSDF) and anti-Müllerian hormone receptor type 2 (AMHR2). <i>Fisheries Science</i> , 2021, 87, 85-91.	0.7	5
54	Low Temperature Promotes Annexin V Expression in Newt Testis. <i>Zoological Science</i> , 2003, 20, 733-735.	0.3	2

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55	Identification of Four SUMO Paralogs in the Medaka Fish, <i>Oryzias latipes</i> , and Their Classification into Two Subfamilies. <i>Biochemical Genetics</i> , 2010, 48, 737-750.	0.8	2
56	Endocrine and Environmental Control of Sex Differentiation in Gonochoristic Fish. <i>Diversity and Commonality in Animals</i> , 2018, , 307-319.	0.7	2
57	Transcriptional Regulation of M $\mu$ llerian Inhibiting Substance (MIS) and Establishment of a Gonadal Somatic Cell Line Using mis-GFP Transgenic Medaka ( <i>Oryzias latipes</i> ). <i>Frontiers in Endocrinology</i> , 2020, 11, 578885.	1.5	2
58	Analyses of Molecular Characteristics and Enzymatic Activities of Ovine HSD17B3. <i>Animals</i> , 2021, 11, 2876.	1.0	2
59	Molecular cloning and expression of the heat shock protein 70 gene in the Kumamoto oyster <i>Crassostrea sikamea</i> . <i>Fisheries Science</i> , 2017, 83, 273-281.	0.7	1
60	Production of a tributyltin-binding protein 2 knockout mutant strain of Japanese medaka, <i>Oryzias latipes</i> . <i>Marine Pollution Bulletin</i> , 2020, 160, 111601.	2.3	1
61	3. Sex-manipulation by control of environmental factors. <i>Nippon Suisan Gakkaishi</i> , 2009, 75, 874-875.	0.0	0
62	Studies on environmental sex determination in fish. <i>Nippon Suisan Gakkaishi</i> , 2019, 85, 291-293.	0.0	0
63	Molecular cloning and expression of the heat shock protein 70 gene in the Kumamoto oyster <i>Crassostrea sikamea</i> . <i>Nippon Suisan Gakkaishi</i> , 2018, 84, 587-587.	0.0	0
64	â€¦-1. Roles of estrogens on sexual differentiation in fish. <i>Nippon Suisan Gakkaishi</i> , 2019, 85, 190-190.	0.0	0
65	1. Phenotypic analysis of sterile mutant medaka. <i>Nippon Suisan Gakkaishi</i> , 2020, 86, 99-99.	0.0	0