Linyan Zhou

List of Publications by Year
in descending order

34 papers	1,288 citations	567144 15 h-index	395590 33 g-index
34 all docs	34 docs citations	34 times ranked	1108 citing authors

#	Article	IF	Citations
1	A Tandem Duplicate of Anti-MÃ¼llerian Hormone with a Missense SNP on the Y Chromosome Is Essential for Male Sex Determination in Nile Tilapia, Oreochromis niloticus. PLoS Genetics, 2015, 11, e1005678.	1.5	315
2	Characterization of Gonadal Transcriptomes from Nile Tilapia (Oreochromis niloticus) Reveals Differentially Expressed Genes. PLoS ONE, 2013, 8, e63604.	1.1	195
3	Efficient and Heritable Gene Targeting in Tilapia by CRISPR/Cas9. Genetics, 2014, 197, 591-599.	1.2	191
4	Isolation of Doublesex- and Mab-3-Related Transcription Factor 6 and Its Involvement in Spermatogenesis in Tilapia1. Biology of Reproduction, 2014, 91, 136.	1.2	64
5	Characterization of two paralogous StAR genes in a teleost, Nile tilapia (Oreochromis niloticus). Molecular and Cellular Endocrinology, 2014, 392, 152-162.	1.6	53
6	R-spondins are involved in the ovarian differentiation in a teleost, medaka (Oryzias latipes). BMC Developmental Biology, 2012, 12, 36.	2.1	46
7	R-spondin1 signaling pathway is required for both the ovarian and testicular development in a teleosts, Nile tilapia (Oreochromis niloticus). General and Comparative Endocrinology, 2016, 230-231, 177-185.	0.8	38
8	Synergistic role of Î²-catenin1 and 2 in ovarian differentiation and maintenance of female pathway in Nile tilapia. Molecular and Cellular Endocrinology, 2016, 427, 33-44.	1.6	36
9	Figla Favors Ovarian Differentiation by Antagonizing Spermatogenesis in a Teleosts, Nile Tilapia (Oreochromis niloticus). PLoS ONE, 2015, 10, e0123900.	1.1	36
10	Rspo1-activated signalling molecules are sufficient to induce ovarian differentiation in XY medaka (Oryzias latipes). Scientific Reports, 2016, 6, 19543.	1.6	31
11	Nile Tilapia: A Model for Studying Teleost Color Patterns. Journal of Heredity, 2021, 112, 469-484.	1.0	30
12	Blocking of progestin action disrupts spermatogenesis in Nile tilapia (Oreochromis niloticus). Journal of Molecular Endocrinology, 2014, 53, 57-70.	1.1	25
13	Nuclear progestin receptor (Pgr) knockouts resulted in subfertility in male tilapia (Oreochromis) Tj ETQq1 1 0.784314 rgBT /Overlock	1.2	24
14	Establishment and growth responses of Nile tilapia embryonic stemâ€like cell lines under feederâ€free condition. Development Growth and Differentiation, 2017, 59, 83-93.	0.6	23
15	Cyp17a1 is Required for Female Sex Determination and Male Fertility by Regulating Sex Steroid Biosynthesis in Fish. Endocrinology, 2021, 162, .	1.4	19
16	Effects of long term antiprogestine mifepristone (RU486) exposure on sexually dimorphic lncRNA expression and gonadal masculinization in Nile tilapia (Oreochromis niloticus). Aquatic Toxicology, 2019, 215, 105289.	1.9	17
17	Role of sex steroids in fish sex determination and differentiation as revealed by gene editing. General and Comparative Endocrinology, 2021, 313, 113893.	0.8	17
18	Identification, Prokaryote Expression of Medaka gdnfa/b and Their Biological Activity in a Spermatogonial Cell Line. Stem Cells and Development, 2017, 26, 197-205.	1.1	14

#	Article	IF	Citations
19	Rln3a is a prerequisite for spermatogenesis and fertility in male fish. Journal of Steroid Biochemistry and Molecular Biology, 2020, 197, 105517.	1.2	13
20	Hatching enzymes disrupt aberrant gonadal degeneration by the autophagy/apoptosis cell fate decision. Scientific Reports, 2017, 7, 3183.	1.6	12
21	The cellular protein expression of Foxp3 in lymphoid and non-lymphoid organs of Nile tilapia. Fish and Shellfish Immunology, 2015, 45, 300-306.	1.6	11
22	The role of StAR2 gene in testicular differentiation and spermatogenesis in Nile tilapia (Oreochromis) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	1.2	11
23	Both GfrÎ±1a and GfrÎ±1b Are Involved in the Self-Renewal and Maintenance of Spermatogonial Stem Cells in Medaka. Stem Cells and Development, 2018, 27, 1658-1670.	1.1	10
24	Blockage of progestin physiology disrupts ovarian differentiation in XX Nile tilapia (Oreochromis) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.0	8
25	Cloning and characterization of wnt4a gene in a natural triploid teleost, Qi river crucian carp (Carassius auratus). General and Comparative Endocrinology, 2019, 277, 104-111.	0.8	8
26	Steroid responsive regulation of IFNÎ³2 alternative splicing and its possible role in germ cell proliferation in medaka. Molecular and Cellular Endocrinology, 2015, 400, 61-70.	1.6	7
27	Desert hedgehog mediates the proliferation of medaka spermatogonia through Smoothened signaling. Reproduction, 2022, , .	1.1	7
28	Leukemia Inhibitory Factor Is Essential for the Self-Renewal of Embryonic Stem Cells from Nile Tilapia (Oreochromis niloticus) Through Stat3 Signaling. Stem Cells and Development, 2018, 27, 123-132.	1.1	6
29	Comparative transcriptome profiling and characterization of gene expression for ovarian differentiation under RU486 treatment. General and Comparative Endocrinology, 2018, 261, 166-173.	0.8	5
30	Identification, Expression and Evolution of Short-Chain Dehydrogenases/Reductases in Nile Tilapia (Oreochromis niloticus). International Journal of Molecular Sciences, 2021, 22, 4201.	1.8	5
31	Differential expression patterns of the two paralogous Rec8 from Nile tilapia and their responsiveness to retinoic acid signaling. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2021, 253, 110563.	0.7	4
32	Genome-wide identification, evolution of histone lysine demethylases (KDM) genes and their expression during gonadal development in Nile tilapia. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2022, 257, 110674.	0.7	3
33	Duplication and gene expression patterns of Î²-catenin in Nile tilapia. Fish Physiology and Biochemistry, 2018, 44, 651-659.	0.9	2
34	Characterization of nanog in Nile tilapia (Oreochromis niloticus) and its spatiotemporal expression patterns during embryonic and gonadal development. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2022, 259, 110718.	0.7	2