

Linyan Zhou

List of Publications by Year in descending order

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34
papers

1,288
citations

566801

15
h-index

395343

33
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all docs

34
docs citations

34
times ranked

1108
citing authors

#	ARTICLE	IF	CITATIONS
1	Genome-wide identification, evolution of histone lysine demethylases (KDM) genes and their expression during gonadal development in Nile tilapia. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2022, 257, 110674.	0.7	3
2	Characterization of nanog in Nile tilapia (<i>Oreochromis niloticus</i>) and its spatiotemporal expression patterns during embryonic and gonadal development. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2022, 259, 110718.	0.7	2
3	Desert hedgehog mediates the proliferation of medaka spermatogonia through Smoothened signaling. <i>Reproduction</i> , 2022, , .	1.1	7
4	Identification, Expression and Evolution of Short-Chain Dehydrogenases/Reductases in Nile Tilapia (<i>Oreochromis niloticus</i>). <i>International Journal of Molecular Sciences</i> , 2021, 22, 4201.	1.8	5
5	Differential expression patterns of the two paralogous Rec8 from Nile tilapia and their responsiveness to retinoic acid signaling. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2021, 253, 110563.	0.7	4
6	Nile Tilapia: A Model for Studying Teleost Color Patterns. <i>Journal of Heredity</i> , 2021, 112, 469-484.	1.0	30
7	Cyp17a1 is Required for Female Sex Determination and Male Fertility by Regulating Sex Steroid Biosynthesis in Fish. <i>Endocrinology</i> , 2021, 162, .	1.4	19
8	Role of sex steroids in fish sex determination and differentiation as revealed by gene editing. <i>General and Comparative Endocrinology</i> , 2021, 313, 113893.	0.8	17
9	The role of StAR2 gene in testicular differentiation and spermatogenesis in Nile tilapia (<i>Oreochromis</i>) Tj ETQq1 1 0.784314 rgBT /Overlock	1.2	11
10	Rln3a is a prerequisite for spermatogenesis and fertility in male fish. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2020, 197, 105517.	1.2	13
11	Effects of long term antiprogesterone mifepristone (RU486) exposure on sexually dimorphic lncRNA expression and gonadal masculinization in Nile tilapia (<i>Oreochromis niloticus</i>). <i>Aquatic Toxicology</i> , 2019, 215, 105289.	1.9	17
12	Cloning and characterization of wnt4a gene in a natural triploid teleost, Qi river crucian carp (<i>Carassius auratus</i>). <i>General and Comparative Endocrinology</i> , 2019, 277, 104-111.	0.8	8
13	Comparative transcriptome profiling and characterization of gene expression for ovarian differentiation under RU486 treatment. <i>General and Comparative Endocrinology</i> , 2018, 261, 166-173.	0.8	5
14	Duplication and gene expression patterns of β -catenin in Nile tilapia. <i>Fish Physiology and Biochemistry</i> , 2018, 44, 651-659.	0.9	2
15	Nuclear progesterone receptor (Pgr) knockouts resulted in subfertility in male tilapia (<i>Oreochromis</i>) Tj ETQq1 1 0.784314 rgBT /Overlock	1.2	24
16	Leukemia Inhibitory Factor Is Essential for the Self-Renewal of Embryonic Stem Cells from Nile Tilapia (<i>Oreochromis niloticus</i>) Through Stat3 Signaling. <i>Stem Cells and Development</i> , 2018, 27, 123-132.	1.1	6
17	Both Gfr1a and Gfr1b Are Involved in the Self-Renewal and Maintenance of Spermatogonial Stem Cells in Medaka. <i>Stem Cells and Development</i> , 2018, 27, 1658-1670.	1.1	10
18	Establishment and growth responses of Nile tilapia embryonic stem-like cell lines under feeder-free condition. <i>Development Growth and Differentiation</i> , 2017, 59, 83-93.	0.6	23

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19	Hatching enzymes disrupt aberrant gonadal degeneration by the autophagy/apoptosis cell fate decision. <i>Scientific Reports</i> , 2017, 7, 3183.	1.6	12
20	Identification, Prokaryote Expression of Medaka <i>gdnfa/b</i> and Their Biological Activity in a Spermatogonial Cell Line. <i>Stem Cells and Development</i> , 2017, 26, 197-205.	1.1	14
21	Blockage of progestin physiology disrupts ovarian differentiation in XX Nile tilapia (<i>Oreochromis</i>) Tj ETQq1 1 0.784314 rgBT g/Overloc	1.0	10
22	Rspo1-activated signalling molecules are sufficient to induce ovarian differentiation in XY medaka (<i>Oryzias latipes</i>). <i>Scientific Reports</i> , 2016, 6, 19543.	1.6	31
23	R-spondin1 signaling pathway is required for both the ovarian and testicular development in a teleosts, Nile tilapia (<i>Oreochromis niloticus</i>). <i>General and Comparative Endocrinology</i> , 2016, 230-231, 177-185.	0.8	38
24	Synergistic role of β -catenin1 and 2 in ovarian differentiation and maintenance of female pathway in Nile tilapia. <i>Molecular and Cellular Endocrinology</i> , 2016, 427, 33-44.	1.6	36
25	A Tandem Duplicate of Anti-Müllerian Hormone with a Missense SNP on the Y Chromosome Is Essential for Male Sex Determination in Nile Tilapia, <i>Oreochromis niloticus</i> . <i>PLoS Genetics</i> , 2015, 11, e1005678.	1.5	315
26	The cellular protein expression of Foxp3 in lymphoid and non-lymphoid organs of Nile tilapia. <i>Fish and Shellfish Immunology</i> , 2015, 45, 300-306.	1.6	11
27	Steroid responsive regulation of IFN β 2 alternative splicing and its possible role in germ cell proliferation in medaka. <i>Molecular and Cellular Endocrinology</i> , 2015, 400, 61-70.	1.6	7
28	Figla Favors Ovarian Differentiation by Antagonizing Spermatogenesis in a Teleosts, Nile Tilapia (<i>Oreochromis niloticus</i>). <i>PLoS ONE</i> , 2015, 10, e0123900.	1.1	36
29	Efficient and Heritable Gene Targeting in Tilapia by CRISPR/Cas9. <i>Genetics</i> , 2014, 197, 591-599.	1.2	191
30	Isolation of Doublesex- and Mab-3-Related Transcription Factor 6 and Its Involvement in Spermatogenesis in Tilapia. <i>Biology of Reproduction</i> , 2014, 91, 136.	1.2	64
31	Blocking of progestin action disrupts spermatogenesis in Nile tilapia (<i>Oreochromis niloticus</i>). <i>Journal of Molecular Endocrinology</i> , 2014, 53, 57-70.	1.1	25
32	Characterization of two paralogous StAR genes in a teleost, Nile tilapia (<i>Oreochromis niloticus</i>). <i>Molecular and Cellular Endocrinology</i> , 2014, 392, 152-162.	1.6	53
33	Characterization of Gonadal Transcriptomes from Nile Tilapia (<i>Oreochromis niloticus</i>) Reveals Differentially Expressed Genes. <i>PLoS ONE</i> , 2013, 8, e63604.	1.1	195
34	R-spondins are involved in the ovarian differentiation in a teleost, medaka (<i>Oryzias latipes</i>). <i>BMC Developmental Biology</i> , 2012, 12, 36.	2.1	46