

Xiaochun Liu

List of Publications by Year in descending order

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80
papers

2,986
citations

147726

31
h-index

175177

52
g-index

81
all docs

81
docs citations

81
times ranked

2532
citing authors

#	ARTICLE	IF	CITATIONS
1	The draft genome of the grass carp (<i>Ctenopharyngodon idellus</i>) provides insights into its evolution and vegetarian adaptation. <i>Nature Genetics</i> , 2015, 47, 625-631.	9.4	352
2	Structural and functional multiplicity of the kisspeptin/GPR54 system in goldfish (<i>Carassius auratus</i>). <i>Journal of Endocrinology</i> , 2009, 201, 407-418.	1.2	183
3	The kiss/kissr Systems Are Dispensable for Zebrafish Reproduction: Evidence From Gene Knockout Studies. <i>Endocrinology</i> , 2015, 156, 589-599.	1.4	153
4	Structural diversity of the gnih/gnih receptor system in teleost: Its involvement in early development and the negative control of LH release. <i>Peptides</i> , 2010, 31, 1034-1043.	1.2	145
5	Molecular Identification of the Kiss2/Kiss1ra System and Its Potential Function During 17Alpha-Methyltestosterone-Induced Sex Reversal in the Orange-Spotted Grouper, <i>Epinephelus coioides</i> 1. <i>Biology of Reproduction</i> , 2010, 83, 63-74.	1.2	96
6	Targeted Disruption of Aromatase Reveals Dual Functions of cyp19a1a During Sex Differentiation in Zebrafish. <i>Endocrinology</i> , 2017, 158, 3030-3041.	1.4	94
7	Molecular cloning, characterization and expression profiles of multiple leptin genes and a leptin receptor gene in orange-spotted grouper (<i>Epinephelus coioides</i>). <i>General and Comparative Endocrinology</i> , 2013, 181, 295-305.	0.8	88
8	A novel neuropeptide in suppressing luteinizing hormone release in goldfish, <i>Carassius auratus</i> . <i>Molecular and Cellular Endocrinology</i> , 2013, 374, 65-72.	1.6	83
9	Evidences for the regulation of GnRH and GTH expression by GnIH in the goldfish, <i>Carassius auratus</i> . <i>Molecular and Cellular Endocrinology</i> , 2013, 366, 9-20.	1.6	83
10	Identification of a Membrane Estrogen Receptor in Zebrafish with Homology to Mammalian GPER and Its High Expression in Early Germ Cells of the Testis1. <i>Biology of Reproduction</i> , 2009, 80, 1253-1261.	1.2	80
11	Permanent Genetic Resources added to Molecular Ecology Resources Database 1 August 2009â€“30 September 2009. <i>Molecular Ecology Resources</i> , 2010, 10, 232-236.	2.2	71
12	Molecular identification of GnIH/GnIHR signal and its reproductive function in protogynous hermaphroditic orange-spotted grouper (<i>Epinephelus coioides</i>). <i>General and Comparative Endocrinology</i> , 2015, 216, 9-23.	0.8	64
13	Genetic Evidence for Multifactorial Control of the Reproductive Axis in Zebrafish. <i>Endocrinology</i> , 2017, 158, 604-611.	1.4	62
14	The evolution of somatostatin in vertebrates. <i>Gene</i> , 2010, 463, 21-28.	1.0	61
15	Spexin Suppress Food Intake in Zebrafish: Evidence from Gene Knockout Study. <i>Scientific Reports</i> , 2017, 7, 14643.	1.6	61
16	Two growth hormone receptors in Nile tilapia (<i>Oreochromis niloticus</i>): Molecular characterization, tissue distribution and expression profiles in the gonad during the reproductive cycle. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2007, 147, 325-339.	0.7	54
17	Gene knockout of nuclear progesterone receptor provides insights into the regulation of ovulation by LH signaling in zebrafish. <i>Scientific Reports</i> , 2016, 6, 28545.	1.6	49
18	LH signaling induced ptgs2a expression is required for ovulation in zebrafish. <i>Molecular and Cellular Endocrinology</i> , 2017, 447, 125-133.	1.6	47

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19	Fertility impairment with defective spermatogenesis and steroidogenesis in male zebrafish lacking androgen receptor. <i>Biology of Reproduction</i> , 2018, 98, 227-238.	1.2	45
20	The evolution of tachykinin/tachykinin receptor (TAC/TACR) in vertebrates and molecular identification of the TAC3/TACR3 system in zebrafish (<i>Danio rerio</i>). <i>Molecular and Cellular Endocrinology</i> , 2012, 361, 202-212.	1.6	44
21	Molecular cloning, characterization and distribution of two types of growth hormone receptor in orange-spotted grouper (<i>Epinephelus coioides</i>). <i>General and Comparative Endocrinology</i> , 2007, 152, 111-122.	0.8	39
22	Sexual Dimorphism of Steroidogenesis Regulated by GnIH in the Goldfish, <i>Carassius auratus</i> 1. <i>Biology of Reproduction</i> , 2013, 88, 89.	1.2	39
23	Molecular cloning and functional characterization of the first non-mammalian 26RFa/QRFP orthologue in Goldfish, <i>Carassius auratus</i> . <i>Molecular and Cellular Endocrinology</i> , 2009, 303, 82-90.	1.6	38
24	Identification of Candidate Growth-Related SNPs and Genes Using GWAS in Brown-Marbled Grouper (<i>Epinephelus fuscoguttatus</i>). <i>Marine Biotechnology</i> , 2020, 22, 153-166.	1.1	38
25	Regulation of the two kiss promoters in goldfish (<i>Carassius auratus</i>) by estrogen via different ER± pathways. <i>Molecular and Cellular Endocrinology</i> , 2013, 375, 130-139.	1.6	37
26	Thyroid Hormone Upregulates Hypothalamic kiss2 Gene in the Male Nile Tilapia, <i>Oreochromis niloticus</i> . <i>Frontiers in Endocrinology</i> , 2013, 4, 184.	1.5	37
27	Expression profiles of dmrt1 and foxl2 during gonadal development and sex reversal induced by 17 β -methyltestosterone in the orange-spotted grouper. <i>General and Comparative Endocrinology</i> , 2019, 274, 26-36.	0.8	37
28	Genetic Diversity and Differentiation of the Orange-Spotted Grouper (<i>Epinephelus coioides</i>) Between and Within Cultured Stocks and Wild Populations Inferred from Microsatellite DNA Analysis. <i>International Journal of Molecular Sciences</i> , 2011, 12, 4378-4394.	1.8	34
29	G-protein-coupled estrogen receptor 1 is involved in brain development during zebrafish (<i>Danio rerio</i>) embryogenesis. <i>Biochemical and Biophysical Research Communications</i> , 2013, 435, 21-27.	1.0	34
30	Molecular cloning, characterization and expression profiles of three estrogen receptors in protogynous hermaphroditic orange-spotted grouper (<i>Epinephelus coioides</i>). <i>General and Comparative Endocrinology</i> , 2011, 172, 371-381.	0.8	33
31	New Insights Into the Role of Estrogens in Male Fertility Based on Findings in Aromatase-Deficient Zebrafish. <i>Endocrinology</i> , 2017, 158, 3042-3054.	1.4	32
32	Antisense for gonadotropin-releasing hormone reduces gonadotropin synthesis and gonadal development in transgenic common carp (<i>Cyprinus carpio</i>). <i>Aquaculture</i> , 2007, 271, 498-506.	1.7	31
33	Discovery of four estrogen receptors and their expression profiles during testis recrudescence in male <i>Spinibarbus denticulatus</i> . <i>General and Comparative Endocrinology</i> , 2008, 156, 265-276.	0.8	31
34	Goldfish neurokinin B: Cloning, tissue distribution, and potential role in regulating reproduction. <i>General and Comparative Endocrinology</i> , 2015, 221, 267-277.	0.8	31
35	Day-night and reproductive cycle profiles of melatonin receptor, kiss, and gnRH expression in orange-spotted grouper (<i>Epinephelus coioides</i>). <i>Molecular Reproduction and Development</i> , 2013, 80, 535-548.	1.0	30
36	Fertility Enhancement but Premature Ovarian Failure in esr1-Deficient Female Zebrafish. <i>Frontiers in Endocrinology</i> , 2018, 9, 567.	1.5	29

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37	Molecular characterization of marbled eel (<i>Anguilla marmorata</i>) gonadotropin subunits and their mRNA expression profiles during artificially induced gonadal development. <i>General and Comparative Endocrinology</i> , 2009, 162, 192-202.	0.8	27
38	Interaction of nuclear ERs and GPER in vitellogenesis in zebrafish. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2019, 189, 10-18.	1.2	27
39	Molecular cloning, characterization and expression pattern of androgen receptor in <i>Spinibarbus denticulatus</i> . <i>General and Comparative Endocrinology</i> , 2009, 160, 93-101.	0.8	26
40	Wnt4 in protogynous hermaphroditic orange-spotted grouper (<i>Epinephelus coioides</i>): Identification and expression. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2015, 183, 67-74.	0.7	23
41	Molecular identification of an androgen receptor and its changes in mRNA levels during 17 β -methyltestosterone-induced sex reversal in the orange-spotted grouper <i>Epinephelus coioides</i> . <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2012, 163, 43-50.	0.7	19
42	Molecular identification of StAR and 3 β HSD1 and characterization in response to GnRH stimulation in protogynous hermaphroditic grouper (<i>Epinephelus coioides</i>). <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2017, 206, 26-34.	0.7	19
43	Estrogen directly stimulates Lhb expression at the pituitary level during puberty in female zebrafish. <i>Molecular and Cellular Endocrinology</i> , 2018, 461, 1-11.	1.6	18
44	Distinct expression of three estrogen receptors in response to bisphenol A and nonylphenol in male Nile tilapia (<i>Oreochromis niloticus</i>). <i>Fish Physiology and Biochemistry</i> , 2010, 36, 237-249.	0.9	17
45	Identification and characterization of a motilin-like peptide and its receptor in teleost. <i>General and Comparative Endocrinology</i> , 2013, 186, 85-93.	0.8	17
46	Selection and evaluation of new reference genes for RT-qPCR analysis in <i>Epinephelus akaara</i> based on transcriptome data. <i>PLoS ONE</i> , 2017, 12, e0171646.	1.1	17
47	Whole-genome sequencing of brown-marbled grouper (<i>Epinephelus fuscoguttatus</i>) provides insights into adaptive evolution and growth differences. <i>Molecular Ecology Resources</i> , 2022, 22, 711-723.	2.2	16
48	Bioinformatic comparisons and tissue expression of the neuronal nitric oxide synthase (nNOS) gene from the red drum (<i>Sciaenops ocellatus</i>). <i>Fish and Shellfish Immunology</i> , 2009, 27, 577-584.	1.6	15
49	Expression profiles of gonadotropins and their receptors during 17 β -methyltestosterone implantation-induced sex change in the orange-spotted grouper (<i>Epinephelus coioides</i>). <i>Molecular Reproduction and Development</i> , 2011, 78, 376-390.	1.0	15
50	Polymorphisms of Leptin-b Gene Associated with Growth Traits in Orange-Spotted Grouper (<i>Epinephelus coioides</i>). <i>International Journal of Molecular Sciences</i> , 2014, 15, 11996-12006.	1.8	15
51	Molecular mechanism of feedback regulation of 17 β -estradiol on two <i>kiss</i> genes in the protogynous orange-spotted grouper (<i>Epinephelus coioides</i>). <i>Molecular Reproduction and Development</i> , 2017, 84, 495-507.	1.0	15
52	Integration of ATAC-seq and RNA-seq Unravels Chromatin Accessibility during Sex Reversal in Orange-Spotted Grouper (<i>Epinephelus coioides</i>). <i>International Journal of Molecular Sciences</i> , 2020, 21, 2800.	1.8	15
53	Transcriptome profiling of laser-captured germ cells and functional characterization of <i>zbtb40</i> during 17 α -methyltestosterone-induced spermatogenesis in orange-spotted grouper (<i>Epinephelus</i>) <i>Tj ETQq1 1 02784314ngBT /Over</i>	1.2	14
54	Augmentation of progestin signaling rescues testis organization and spermatogenesis in zebrafish with the depletion of androgen signaling. <i>ELife</i> , 2022, 11, .	2.8	14

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55	Growth hormone and prolactin in <i>Andrias davidianus</i> : cDNA cloning, tissue distribution and phylogenetic analysis. <i>General and Comparative Endocrinology</i> , 2010, 165, 177-180.	0.8	13
56	Identification and characterization of germ cell genes <i>vasa</i> and <i>dazl</i> in a protogynous hermaphrodite fish, orange-spotted grouper (<i>Epinephelus coioides</i>). <i>Gene Expression Patterns</i> , 2020, 35, 119095.	0.3	13
57	Two alternatively spliced GPR39 transcripts in seabream: molecular cloning, genomic organization, and regulation of gene expression by metabolic signals. <i>Journal of Endocrinology</i> , 2008, 199, 457-470.	1.2	12
58	Identification and functional characterization of two Secretogranin II genes in orange-spotted grouper (<i>Epinephelus coioides</i>). <i>General and Comparative Endocrinology</i> , 2018, 261, 115-126.	0.8	11
59	Ovulation is associated with the LH-dependent induction of <i>pla2g4a</i> in zebrafish. <i>Molecular and Cellular Endocrinology</i> , 2018, 473, 53-60.	1.6	11
60	Molecular identification of the Dyn/Kor system and its potential role in the reproductive axis of goldfish. <i>General and Comparative Endocrinology</i> , 2018, 257, 29-37.	0.8	11
61	Molecular cloning, tissue distribution and expression profiles of thyroid hormone receptors during embryogenesis in orange-spotted grouper (<i>Epinephelus coioides</i>). <i>General and Comparative Endocrinology</i> , 2008, 159, 117-124.	0.8	10
62	Structural and functional characterization of neuropeptide Y in a primitive teleost, the Japanese eel (<i>Anguilla japonica</i>). <i>General and Comparative Endocrinology</i> , 2012, 179, 99-106.	0.8	10
63	Distinct functions of neuromedin u and neuromedin s in orange-spotted grouper. <i>Journal of Molecular Endocrinology</i> , 2015, 55, 95-106.	1.1	10
64	Hybridization of tiger grouper (<i>Epinephelus fuscoguttatus</i>) x giant grouper (<i>Epinephelus lanceolatus</i>)	0.3	10
65	Effects of cysteamine on mRNA levels of growth hormone and its receptors and growth in orange-spotted grouper (<i>Epinephelus coioides</i>). <i>Fish Physiology and Biochemistry</i> , 2013, 39, 605-613.	0.9	9
66	Kiss2 but not kiss1 is involved in the regulation of social stress on the gonad development in yellowtail clownfish, <i>Amphiprion clarkii</i> . <i>General and Comparative Endocrinology</i> , 2020, 298, 113551.	0.8	8
67	The second prolactin receptor in Nile tilapia (<i>Oreochromis niloticus</i>): molecular characterization, tissue distribution and gene expression. <i>Fish Physiology and Biochemistry</i> , 2010, 36, 283-295.	0.9	6
68	Ghrelin stimulates growth hormone release from the pituitary via hypothalamic growth hormone-releasing hormone neurons in the cichlid, <i>Oreochromis niloticus</i> . <i>Cell and Tissue Research</i> , 2018, 374, 349-365.	1.5	6
69	Comparative transcriptome analyses reveal changes of gene expression in fresh and cryopreserved yellow catfish (<i>Pelteobagrus fulvidraco</i>) sperm and the effects of Cryoprotectant Me2SO. <i>International Journal of Biological Macromolecules</i> , 2019, 133, 457-465.	3.6	6
70	Molecular characterization and expression patterns of stem-loop binding protein (SLBP) genes in protogynous hermaphroditic grouper, <i>Epinephelus coioides</i> . <i>Gene</i> , 2019, 700, 120-130.	1.0	6
71	Molecular characterization and expression patterns of glucocorticoid receptor (GR) genes in protandrous hermaphroditic yellowtail clownfish, <i>Amphiprion clarkii</i> . <i>Gene</i> , 2020, 745, 144651.	1.0	6
72	Recognition of DAP and activation of NF- κ B by cytosolic sensor NOD1 in <i>Oreochromis niloticus</i> . <i>Fish and Shellfish Immunology</i> , 2021, 110, 75-85.	1.6	6

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73	Single-Cell Atlas of Adult Testis in Protogynous Hermaphroditic Orange-Spotted Grouper, <i>Epinephelus coioides</i> . <i>International Journal of Molecular Sciences</i> , 2021, 22, 12607.	1.8	6
74	<i>Pou5f1</i> and <i>Nanog</i> Are Reliable Germ Cell-Specific Genes in Gonad of a Protogynous Hermaphroditic Fish, Orange-Spotted Grouper (<i>Epinephelus coioides</i>). <i>Genes</i> , 2022, 13, 79.	1.0	6
75	Cloning, characterization, sequence analysis and expression patterns in vivo of testicular 20 β -hydroxysteroid dehydrogenase cDNA in yellow catfish (<i>Pelteobagrus fulvidraco</i>). <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2011, 159, 171-182.	0.7	4
76	Chromosome Genome Assembly of <i>Cromileptes altivelis</i> Reveals Loss of Genome Fragment in <i>Cromileptes</i> Compared with <i>Epinephelus</i> Species. <i>Genes</i> , 2021, 12, 1873.	1.0	4
77	Gonadotropin-releasing hormone analogue multiple injection potentially accelerated testicular maturation of male yellow catfish (<i>Pelteobagrus fluvidraco</i> , Richardson) in captivity. <i>Aquaculture Research</i> , 2012, 43, 467-480.	0.9	3
78	In vitro effects of androgen on testicular development by the AR-foxl3-rec8/fbxo47 axis in orange-spotted grouper (<i>Epinephelus coioides</i>). <i>General and Comparative Endocrinology</i> , 2020, 292, 113435.	0.8	3
79	New insights into the role of mTORC1 in male fertility in zebrafish. <i>General and Comparative Endocrinology</i> , 2020, 286, 113306.	0.8	1
80	Inhibition of oocyte maturation by nitric oxide synthase 1 (NOS1) in zebrafish. <i>General and Comparative Endocrinology</i> , 2022, 321-322, 114012.	0.8	1