Dong-Neng Jiang

List of Publications by Year
in descending order

47 papers	1,634 citations	361296 20 h-index	302012 39 g-index
49 all docs	49 docs citations	49 times ranked	1223 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	Efficient and Heritable Gene Targeting in Tilapia by CRISPR/Cas9. Genetics, 2014, 197, 591-599.	1.2	191
3	gsdf is a downstream gene of dmrt1 that functions in the male sex determination pathway of the Nile tilapia. Molecular Reproduction and Development, 2016, 83, 497-508.	1.0	110
4	Screening and characterization of sex-linked DNA markers and marker-assisted selection in the Nile tilapia (Oreochromis niloticus). Aquaculture, 2014, 433, 19-27.	1.7	105
5	Integrated analysis of miRNA and mRNA expression profiles in tilapia gonads at an early stage of sex differentiation. BMC Genomics, 2016, 17, 328.	1.2	86
6	Retinoic acid homeostasis through aldh1a2 and cyp26a1 mediates meiotic entry in Nile tilapia (Oreochromis niloticus). Scientific Reports, 2015, 5, 10131.	1.6	69
7	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
8	Sustainable aquaculture development: a review on the roles of cloud computing, internet of things and artificial intelligence (CIA). Reviews in Aquaculture, 2021, 13, 2076-2091.	4.6	60
9	CRISPR/Cas9-induced disruption of wt1a and wt1b reveals their different roles in kidney and gonad development in Nile tilapia. Developmental Biology, 2017, 428, 63-73.	0.9	48
10	Male-specific Dmrt1 is a candidate sex determination gene in spotted scat (Scatophagus argus). Aquaculture, 2018, 495, 351-358.	1.7	47
11	Comparative transcriptome analysis of male and female gonads reveals sex-biased genes in spotted scat (Scatophagus argus). Fish Physiology and Biochemistry, 2019, 45, 1963-1980.	0.9	37
12	Molecular cloning, characterization and expression analysis of spexin in spotted scat (Scatophagus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.8	35
13	Transcriptome Analysis of Male and Female Mature Gonads of Silver Sillago (Sillago sihama). Genes, 2019, 10, 129.	1.0	35
14	A Review of Genetic Advances Related to Sex Control andÂManipulation in Tilapia. Journal of the World Aquaculture Society, 2018, 49, 277-291.	1.2	34
15	Effects of melanocortin-4 receptor agonists and antagonists on expression of genes related to reproduction in spotted scat, Scatophagus argus. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2017, 187, 603-612.	0.7	30
16	Heterozygous mutation of eEF1A1b resulted in spermatogenesis arrest and infertility in male tilapia, Oreochromis niloticus. Scientific Reports, 2017, 7, 43733.	1.6	30
17	Cloning, expression and functional characterization on vitellogenesis of estrogen receptors in Scatophagus argus. General and Comparative Endocrinology, 2017, 246, 37-45.	0.8	29
18	Expression and transcriptional regulation of gsdf in spotted scat (Scatophagus argus). Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2019, 233, 35-45.	0.7	26

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19	Phoenixin participated in regulation of food intake and growth in spotted scat, Scatophagus argus. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2018, 226, 36-44.	0.7	25
20	Genome Survey of Male and Female Spotted Scat (Scatophagus argus). Animals, 2019, 9, 1117.	1.0	23
21	Phoenixin: Expression at different ovarian development stages and effects on genes ralated to reproduction in spotted scat, Scatophagus argus. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2019, 228, 17-25.	0.7	23
22	ddRADseq-assisted construction of a high-density SNP genetic map and QTL fine mapping for growth-related traits in the spotted scat (Scatophagus argus). BMC Genomics, 2020, 21, 278.	1.2	17
23	A Chromosomeâ€"Level Genome Assembly of the Spotted Scat (Scatophagus argus). Genome Biology and Evolution, 2021, 13, .	1.1	17
24	A First Insight into a Draft Genome of Silver Sillago (Sillago sihama) via Genome Survey Sequencing. Animals, 2019, 9, 756.	1.0	16
25	Screening and characterization of sex-linked DNA markers and marker-assisted selection in blue tilapia (Oreochromis aureus). Aquaculture, 2021, 530, 735934.	1.7	16
26	Sequencing, de novo assembly and characterization of the spotted scat Scatophagus argus (Linnaeus) Tj ETQq0 0 0 rgBT /Overlock 10 T Limnology, 2018, 36, 1329-1341.	0.6	15
27	Gonadal development and molecular analysis revealed the critical window for sex differentiation, and E2 reversibility of XY-male spotted scat, Scatophagus argus. Aquaculture, 2021, 544, 737147.	1.7	14
28	Transcriptome analysis of liver provides insight into metabolic and translation changes under hypoxia and reoxygenation stress in silver sillago (Sillago sihama). Comparative Biochemistry and Physiology Part D: Genomics and Proteomics, 2020, 36, 100715.	0.4	13
29	Identification, functional characterization, and estrogen regulation on gonadotropin-releasing hormone in the spotted scat, Scatophagus argus. Fish Physiology and Biochemistry, 2020, 46, 1743-1757.	0.9	13
30	Effects of 17Î²-Estradiol on growth-related genes expression in female and male spotted scat (Scatophagus argus). Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2020, 250, 110492.	0.7	10
31	Impact of Dietary Lâ€Malic Acid Supplementation on Growth, Feed Utilization, Ash Deposition, and Hepatic Lipid Metabolism of Juvenile Genetically Improved Farmed Tilapia, Oreochromis niloticus. Journal of the World Aquaculture Society, 2017, 48, 563-573.	1.2	9
32	Estradiol-17Î² regulates the expression of insulin-like growth factors 1 and 2 via estradiol receptors in spotted scat (Scatophagus argus). Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2019, 237, 110328.	0.7	8
33	Isolation of Growth Hormone-Releasing Hormone and Its Receptor Genes from Scatophagus argus and Their Expression Analyses. Journal of Ocean University of China, 2019, 18, 1486-1496.	0.6	7
34	The reproductive regulation of LPXRFa and its receptor in the hypothalamo-pituitary-gonadal axis of the spotted scat (Scatophagus argus). Fish Physiology and Biochemistry, 2021, 47, 93-108.	0.9	7
35	Comparative Physiological and Transcriptomic Profiling Offers Insight into the Sexual Dimorphism of Hepatic Metabolism in Size-Dimorphic Spotted Scat (Scatophagus argus). Life, 2021, 11, 589.	1.1	7
36	Liver Transcriptomic Analysis of the Effects of Dietary Fish Oil Revealed a Regulated Expression Pattern of Genes in Adult Female Spotted Scat (Scatophagus argus). Frontiers in Marine Science, 2021, 8, .	1.2	7

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37	Chromosomal-Level Genome Assembly of Silver Sillago (Sillago sihama). Genome Biology and Evolution, 2021, 13, .	1.1	6
38	RNA Sequencing Analysis Reveals Divergent Adaptive Response to Hypo- and Hyper-Salinity in Greater Amberjack (Seriola dumerili) Juveniles. Animals, 2022, 12, 327.	1.0	5
39	Homozygous Mutation of gsdf Causes Infertility in Female Nile Tilapia (Oreochromis niloticus). Frontiers in Endocrinology, 2022, 13, 813320.	1.5	5
40	Identification, Expression, and Functions of the Somatostatin Gene Family in Spotted Scat (Scatophagus argus). Genes, 2020, 11, 194.	1.0	4
41	Characterization, expression, and regulatory effects of nr0b1a and nr0b1b in spotted scat (Scatophagus argus). Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2021, 256, 110644.	0.7	4
42	Thimet oligopeptidase and prolyl endopeptidase of spotted scat Scatophagus argus: characterization, tissue distribution, expression at different ovarian stages and down-regulation by estradiol. Fisheries Science, 2018, 84, 825-835.	0.7	3
43	First account of a transient intersex in spotted scat, Scatophagus argus: a marine gonochoristic fish. Fish Physiology and Biochemistry, 2022, 48, 1011-1023.	0.9	3
44	Polymorphism in a sexâ€linked <scp>DNA</scp> marker located on <scp>LG23</scp> in Hainan strain of Nile tilapia (<scp>Oreochromis niloticus</scp>). Journal of the World Aquaculture Society, 2022, 53, 205-223.	1.2	2
45	Transcriptomic analysis of pituitary in female and male spotted scat (Scatophagus argus) after 17Î²-estradiol injection. Comparative Biochemistry and Physiology Part D: Genomics and Proteomics, 2022, 41, 100949.	0.4	2
46	High Polymorphism in the Dmrt2a Gene Is Incompletely Sex-Linked in Spotted Scat, Scatophagus argus. Animals, 2022, 12, 613.	1.0	2
47	Establishment of the Y-linked Dmrt1Y as the candidate sex determination gene in spotbanded scat (Selenotoca multifasciata). Aquaculture Reports, 2022, 23, 101085.	0.7	0