Pao Xu

List of Publications by Year in Descending Order

164 papers	2,440 citations	28 h-index	42 g-index
169 ext. papers	3,301 ext. citations	3.8 avg, IF	5.2 L-index

#	Paper	IF	Citations
164	Alteration of endoplasmic reticulum stress, inflammation and anti-oxidative status in cyclophosphamide-damaged liver of Nile tilapia (Oreochromis niloticus).. *Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology*, **2022**, 254, 109271	3.2	0
163	Transcriptional inhibition of steroidogenic factor 1 in vivo in Oreochromis niloticus increased weight and suppressed gonad development. *Gene*, **2022**, 809, 146023	3.8	3
162	Heat Shock Procedure Affects Cell Division-Associated Genes in Gynogenetic Manipulation.. *Marine Biotechnology*, **2022**, 24, 354	3.4	0
161	Zinc alters behavioral phenotypes, neurotransmitter signatures, and immune homeostasis in male zebrafish (Danio rerio).. *Science of the Total Environment*, **2022**, 154099	10.2	0
160	Microcystin-LR induces apoptosis in Juvenile Eriocheir sinensis via the mitochondrial pathway.. *Ecotoxicology and Environmental Safety*, **2022**, 238, 113528	7	0
159	Upregulation of miR-33 Exacerbates Heat-Stress-Induced Apoptosis in Granulosa Cell and Follicular Atresia of Nile Tilapia (Oreochromis niloticus) by Targeting TGFII1. *Genes*, **2022**, 13, 1009	4.2	
158	Effects of dietary tea tree oil on the growth, physiological and non-specific immunity response in the giant freshwater prawn (Macrobrachium rosenbergii) under high ammonia stress.. *Fish and Shellfish Immunology*, **2021**, 120, 458-469	4.3	1
157	Response of Sex Steroid Hormone Synthesis Substrates in Serum and Testes of Male Tilapia (Oreochromis niloticus) Exposed to Methomyl and Its Recovery Pattern. *Applied Sciences (Switzerland)*, **2021**, 11, 10997	2.6	1
156	Flesh flavor of red swamp crayfish (Procambarus clarkii Girard, 1852) processing by GS-IMS and electronic tongue is changed by dietary animal and plant protein. *Food Chemistry*, **2021**, 373, 131453	8.5	0
155	Gills full-length transcriptomic analysis of osmoregulatory adaptive responses to salinity stress in Coilia nasus. *Ecotoxicology and Environmental Safety*, **2021**, 226, 112848	7	0
154	Transcriptome profiling reveals differential expression of immune-related genes in gills of hybrid yellow catfish (Tachysurus fulvidraco ? Pseudobagrus vachellii ?) under hypoxic stress: Potential NLR-mediated immune response. *Fish and Shellfish Immunology*, **2021**, 119, 409-419	4.3	1
153	Alterations of amino acid metabolism and intestinal microbiota in Chinese mitten crab (Eriocheir sinensis) fed on formulated diet and iced trash fish. *Comparative Biochemistry and Physiology Part D: Genomics and Proteomics*, **2021**, 40, 100924	2	0
152	Transcriptome profiling reveal Acanthopanax senticosus improves growth performance, immunity and antioxidant capacity by regulating lipid metabolism in GIFT (Oreochromis niloticus). *Comparative Biochemistry and Physiology Part D: Genomics and Proteomics*, **2021**, 37, 100784	2	3
151	Effect of Chronic Exposure to Pesticide Methomyl on Antioxidant Defense System in Testis of Tilapia (Oreochromis niloticus) and Its Recovery Pattern. *Applied Sciences (Switzerland)*, **2021**, 11, 3332	2.6	1
150	Optimal combination of temperature and photoperiod for sex steroid hormone secretion and egg development of Oreochromis niloticus as determined by response surface methodology. *Journal of Thermal Biology*, **2021**, 97, 102889	2.9	4
149	Interaction Between the Intestinal Microbial Community and Transcriptome Profile in Common Carp (L.). *Frontiers in Microbiology*, **2021**, 12, 659602	5.7	3
148	Alleviative effects of total flavones of on oxidative stress and lipid metabolism disorder induced by high-fat diet in intestines of Tilapia (). *3 Biotech*, **2021**, 11, 348	2.8	0

147	Effect of addition of salt on oxidant activity and apoptosis of Coilia nasus juveniles under air exposure stress. *Aquaculture Reports*, **2021**, 20, 100696	2.3	2
146	Effects of acute hypoxia stress on hemato-biochemical parameters, oxidative resistance ability, and immune responses of hybrid yellow catfish (Pelteobagrus fulvidraco ♀P. vachelli) juveniles. *Aquaculture International*, **2021**, 29, 2181-2196	2.6	2
145	Dynamic changes in microbial community structure in farming pond water and their effect on the intestinal microbial community profile in juvenile common carp (Cyprinus carpio L.). *Genomics*, **2021**, 113, 2547-2560	4.3	1
144	Effects of dietary baicalin supplementation on growth performance, antioxidative status and protection against oxidative stress-induced liver injury in GIFT tilapia (Oreochromis niloticus). *Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology*, **2021**, 240, 108914	3.2	6
143	Effects of chronic glyphosate exposure on antioxdative status, metabolism and immune response in tilapia (GIFT, Oreochromis niloticus). *Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology*, **2021**, 239, 108878	3.2	11
142	Untargeted LC‐MS metabolomics approach reveals metabolic changes in genetically improved farmed tilapia (Oreochromis niloticus) with fatty liver induced by a high-fat diet. *Aquaculture Research*, **2021**, 52, 724-735	1.9	7
141	Immune, inflammatory, autophagic and DNA damage responses to long-term HO exposure in different tissues of common carp (Cyprinus carpio). *Science of the Total Environment*, **2021**, 757, 143831	10.2	7
140	Capacity for freshwater acclimation and differences in the transcription of ion transporter genes underlying different migratory life histories of Takifugu fish. *Gene*, **2021**, 767, 145285	3.8	1
139	Responses of functional miRNA-mRNA regulatory modules to a high-fat diet in the liver of hybrid yellow catfish (Pelteobagrus fulvidraco ♀P. vachelli). *Genomics*, **2021**, 113, 1207-1220	4.3	3
138	Physiological parameters and gut microbiome associated with different dietary lipid levels in hybrid yellow catfish (Tachysurus fulvidraco?♀Pseudobagrus vachellii?). *Comparative Biochemistry and Physiology Part D: Genomics and Proteomics*, **2021**, 37, 100777	2	3
137	Comparative microRNAs expression profiles analysis during embryonic development of common carp, Cyprinus carpio. *Comparative Biochemistry and Physiology Part D: Genomics and Proteomics*, **2021**, 37, 100754	2	5
136	The effects of dissolved oxygen and dietary protein levels on growth performance, physiological parameters and the immune response of the genetically improved farmed tilapia juveniles (Oreochromis niloticus). *Aquaculture Research*, **2021**, 52, 547-558	1.9	1
135	Effects of effective microorganisms on the growth performance, nutritional composition and flavour quality of the pond-cultured Eriocheir sinensis. *Aquaculture Research*, **2021**, 52, 871-880	1.9	2
134	The stage-specific long non-coding RNAs and mRNAs identification and analysis during early development of common carp, Cyprinus carpio. *Genomics*, **2021**, 113, 20-28	4.3	0
133	Multi-omics analysis reveals the glycolipid metabolism response mechanism in the liver of genetically improved farmed Tilapia (GIFT, Oreochromis niloticus) under hypoxia stress. *BMC Genomics*, **2021**, 22, 105	4.5	7
132	Alteration of lipid metabolism, autophagy, apoptosis and immune response in the liver of common carp (Cyprinus carpio) after long-term exposure to bisphenol A. *Ecotoxicology and Environmental Safety*, **2021**, 211, 111923	7	7
131	Effects of cyclophosphamide on antioxidative and immune functions of Nile tilapia (Oreochromis Niloticus) via the TLR-NF-Β signaling pathway. *Aquatic Toxicology*, **2021**, 239, 105956	5.1	1
130	Application of transcriptome analysis to understand the adverse effects of hydrogen peroxide exposure on brain function in common carp (Cyprinus carpio). *Environmental Pollution*, **2021**, 286, 117240	8.3	5

129	Full-length transcriptomic analysis reveals osmoregulatory mechanisms in Coilia nasus eyes reared under hypotonic and hyperosmotic stress. *Science of the Total Environment*, **2021**, 799, 149333	10.2	2
128	Whole-genome resequencing of three Coilia nasus population reveals genetic variations in genes related to immune, vision, migration, and osmoregulation. *BMC Genomics*, **2021**, 22, 878	4.5	0
127	Cloning of the gene encoding acyl-CoA thioesterase 11 and its functional characterization in hybrid yellow catfish (Pelteobagrus fulvidraco ? Pelteobagrus vachelli ?) under heat stress. *Journal of Thermal Biology*, **2020**, 93, 102681	2.9	0
126	Selenium-Cultured in the Diet Can Alleviate Oxidative Stress and Immune Suppression in Chinese Mitten Crab () Under Copper Exposure. *Frontiers in Physiology*, **2020**, 11, 713	4.6	1
125	Transcriptome analysis of the brain provides insights into the regulatory mechanism for Coilia nasus migration. *BMC Genomics*, **2020**, 21, 410	4.5	2
124	Analysis of Streptococcus agalactiae-induced liver injury in tilapia (Oreochromis niloticus). *Aquaculture Research*, **2020**, 51, 1398-1405	1.9	0
123	miR-34a Regulates the Activity of HIF-1a and P53 Signaling Pathways by Promoting GLUT1 in Genetically Improved Farmed Tilapia (GIFT,) Under Hypoxia Stress. *Frontiers in Physiology*, **2020**, 11, 670	4.6	11
122	Effects of high-fat diet on antioxidative status, apoptosis and inflammation in liver of tilapia (Oreochromis niloticus) via Nrf2, TLRs and JNK pathways. *Fish and Shellfish Immunology*, **2020**, 104, 391-401	4.3	22
121	Oxidative stress, ion concentration change and immune response in gills of common carp (Cyprinus carpio) under long-term exposure to bisphenol A. *Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology*, **2020**, 230, 108711	3.2	6
120	Hypoxia-induced miR-92a regulates p53 signaling pathway and apoptosis by targeting calcium-sensing receptor in genetically improved farmed tilapia (Oreochromis niloticus). *PLoS ONE*, **2020**, 15, e0238897	3.7	2
119	Changes in the fecal microbiome of the Yangtze finless porpoise during a short-term therapeutic treatment. *Open Life Sciences*, **2020**, 15, 296-310	1.2	1
118	Transcriptomic analysis reveals different responses to ammonia stress and subsequent recovery between Coilia nasus larvae and juveniles. *Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology*, **2020**, 230, 108710	3.2	6
117	Optimal dietary curcumin improved growth performance, and modulated innate immunity, antioxidant capacity and related genes expression of NF-B and Nrf2 signaling pathways in grass carp (Ctenopharyngodon idella) after infection with Aeromonas hydrophila. *Fish and Shellfish Immunology*, **2020**, 97, 540-553	4.3	31
116	Genome and population sequencing of a chromosome-level genome assembly of the Chinese tapertail anchovy (Coilia nasus) provides novel insights into migratory adaptation. *GigaScience*, **2020**, 9,	7.6	18
115	Molecular insights into the sex-differential regulation of signal transduction in the cerebral ganglion and metabolism in the hepatopancreas of Eriocheir sinensis during reproduction. *Genomics*, **2020**, 112, 71-81	4.3	1
114	Chronic exposure of hydrogen peroxide alters redox state, apoptosis and endoplasmic reticulum stress in common carp (Cyprinus carpio). *Aquatic Toxicology*, **2020**, 229, 105657	5.1	10
113	Relationship Between the Fatty Acid Profiles and Gut Bacterial Communities of the Chinese Mitten Crab () From Ecologically Different Habitats. *Frontiers in Microbiology*, **2020**, 11, 565267	5.7	4
112	Comparative transcriptome analysis reveals metabolism transformation in Coilia nasus larvae during the mouth-open period. *Comparative Biochemistry and Physiology Part D: Genomics and Proteomics*, **2020**, 36, 100712	2	5

111	Effects of stocking density on growth, serum parameters, antioxidant status, liver and intestine histology and gene expression of largemouth bass (Micropterus salmoides) farmed in the in-pond raceway system. *Aquaculture Research*, **2020**, 51, 5228-5240	1.9	7
110	Optimum feeding frequency of juvenile largemouth bass (Micropterus salmoides) reared in in-pond raceway recirculating culture system. *Fish Physiology and Biochemistry*, **2020**, 46, 2197-2212	2.7	8
109	Effects of Feeding Rates on Growth, Digestive Enzyme Activity, Serum Biochemical Parameters, and Body Composition of Juvenile, Genetically Improved, Farmed Nile Tilapia Reared in an In-Pond Raceway Recirculating Culture System. *North American Journal of Aquaculture*, **2020**, 82, 75-83	1.5	2
108	Regulation of signal transduction in Coilia nasus during migration. *Genomics*, **2020**, 112, 55-64	4.3	4
107	Insights into response to food intake in anadromous Coilia nasus through stomach transcriptome analysis. *Aquaculture Research*, **2020**, 51, 2799-2812	1.9	3
106	Hypoxia-induced miR-92a regulates p53 signaling pathway and apoptosis by targeting calcium-sensing receptor in genetically improved farmed tilapia (Oreochromis niloticus) **2020**, 15, e0238897		
105	Hypoxia-induced miR-92a regulates p53 signaling pathway and apoptosis by targeting calcium-sensing receptor in genetically improved farmed tilapia (Oreochromis niloticus) **2020**, 15, e0238897		
104	Hypoxia-induced miR-92a regulates p53 signaling pathway and apoptosis by targeting calcium-sensing receptor in genetically improved farmed tilapia (Oreochromis niloticus) **2020**, 15, e0238897		
103	Hypoxia-induced miR-92a regulates p53 signaling pathway and apoptosis by targeting calcium-sensing receptor in genetically improved farmed tilapia (Oreochromis niloticus) **2020**, 15, e0238897		
102	Effect of Chronic Exposure to Methomyl on Tissue Damage and Apoptosis in Testis of Tilapia (Oreochromis niloticus) and Recovery Pattern. *Bulletin of Environmental Contamination and Toxicology*, **2019**, 102, 371-376	2.7	6
101	Dietary vitamin E deficiency inhibits fat metabolism, antioxidant capacity, and immune regulation of inflammatory response in genetically improved farmed tilapia (GIFT, Oreochromis niloticus) fingerlings following Streptococcus iniae infection. *Fish and Shellfish Immunology*, **2019**, 92, 395-404	4.3	12
100	miR-489-3p Regulates the Oxidative Stress Response in the Liver and Gill Tissues of Hybrid Yellow Catfish (? ?) Under Cu Exposure by Targeting. *Frontiers in Physiology*, **2019**, 10, 868	4.6	12
99	Synergistic effect of water temperature and dissolved oxygen concentration on rates of fertilization, hatching and deformity of hybrid yellow catfish (Tachysurus fulvidraco?Pseudobagrus vachellii?). *Journal of Thermal Biology*, **2019**, 83, 47-53	2.9	8
98	Growth Performance of Bluntnose Black Bream, Channel Catfish, Yellow Catfish, and Largemouth Bass Reared in the In-Pond Raceway Recirculating Culture System. *North American Journal of Aquaculture*, **2019**, 81, 153-159	1.5	6
97	Growth, digestive enzymes activities, serum biochemical parameters and antioxidant status of juvenile genetically improved farmed tilapia (Oreochromis niloticus) reared at different stocking densities in in-pond raceway recirculating culture system. *Aquaculture Research*, **2019**, 50, 1338-1347	1.9	11
96	Investigating the distribution of the Yangtze finless porpoise in the Yangtze River using environmental DNA. *PLoS ONE*, **2019**, 14, e0221120	3.7	1
95	Anti-oxidative, anti-inflammatory and hepatoprotective effects of Radix Bupleuri extract against oxidative damage in tilapia (Oreochromis niloticus) via Nrf2 and TLRs signaling pathway. *Fish and Shellfish Immunology*, **2019**, 93, 395-405	4.3	33
94	The effects of temperature and dissolved oxygen on the growth, survival and oxidative capacity of newly hatched hybrid yellow catfish larvae (Tachysurus fulvidraco? Pseudobagrus vachellii?). *Journal of Thermal Biology*, **2019**, 86, 102436	2.9	14

93	Emodin ameliorates metabolic and antioxidant capacity inhibited by dietary oxidized fish oil through PPARs and Nrf2-Keap1 signaling in Wuchang bream (Megalobrama amblycephala). *Fish and Shellfish Immunology*, **2019**, 94, 842-851	4.3	22
92	Effects of dietary supplementation with apple peel powder on the growth, blood and liver parameters, and transcriptome of genetically improved farmed tilapia (GIFT, Oreochromis niloticus). *PLoS ONE*, **2019**, 14, e0224995	3.7	7
91	Deletion of tetraspanin CD151 alters the Wnt oncogene-induced mammary tumorigenesis: A cell type-linked function and signaling. *Neoplasia*, **2019**, 21, 1151-1163	6.4	6
90	The effects of crowding stress on the growth, physiological response, and gene expression of the Nrf2-Keap1 signaling pathway in blunt snout bream (Megalobrama amblycephala) reared under in-pond raceway conditions. *Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology*, **2019**, 231, 19-29	2.6	5
89	Antioxidative, anti-inflammatory and hepatoprotective effects of resveratrol on oxidative stress-induced liver damage in tilapia (Oreochromis niloticus). *Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology*, **2019**, 215, 56-66	3.2	46
88	Antioxidative, inflammatory and immune responses in hydrogen peroxide-induced liver injury of tilapia (GIFT, Oreochromis niloticus). *Fish and Shellfish Immunology*, **2019**, 84, 894-905	4.3	29
87	A comparative transcriptomic study on developmental gonads provides novel insights into sex change in the protandrous black porgy (Acanthopagrus schlegelii). *Genomics*, **2019**, 111, 277-283	4.3	5
86	Draft genome of the protandrous Chinese black porgy, Acanthopagrus schlegelii. *GigaScience*, **2018**, 7, 1-7	7.6	52
85	Archaeal community compositions in tilapia pond systems and their influencing factors. *World Journal of Microbiology and Biotechnology*, **2018**, 34, 43	4.4	4
84	Status and Trends of the Tilapia Farming Industry Development **2018**, 404-420		2
83	Responses of blood biochemistry, fatty acid composition and expression of microRNAs to heat stress in genetically improved farmed tilapia (Oreochromis niloticus). *Journal of Thermal Biology*, **2018**, 73, 91-97	2.9	26
82	Physiological response and microRNA expression profiles in head kidney of genetically improved farmed tilapia (GIFT, Oreochromis niloticus) exposed to acute cold stress. *Scientific Reports*, **2018**, 8, 172	4.9	10
81	Random regression analysis for body weights and main morphological traits in genetically improved farmed tilapia (Oreochromis niloticus). *Journal of Applied Genetics*, **2018**, 59, 99-107	2.5	4
80	HSP60 and HSP90 from blunt snout bream, Megalobrama amblycephala: Molecular cloning, characterization, and comparative response to intermittent thermal stress and Aeromonas hydrophila infection. *Fish and Shellfish Immunology*, **2018**, 74, 119-132	4.3	20
79	Effects of Rhizoma Alismatis extract on biochemical indices and adipose gene expression in oleic acid-induced hepatocyte injury in Jian carp (Cyprinus carpio var. Jian). *Fish Physiology and Biochemistry*, **2018**, 44, 747-768	2.7	11
78	miR-205-5p negatively regulates hepatic acetyl-CoA carboxylase mRNA in lipid metabolism of Oreochromis niloticus. *Gene*, **2018**, 660, 1-7	3.8	16
77	A revisit to fishmeal usage and associated consequences in Chinese aquaculture. *Reviews in Aquaculture*, **2018**, 10, 493-507	8.9	61
76	CCD and RSM optimization approach for antioxidative activity and immune regulation in head kidney of yellow catfish (Pelteobagrus fulvidraco) based on different lipid levels and temperatures. *Fish and Shellfish Immunology*, **2018**, 72, 77-85	4.3	13

75	Water quality and physiological response of F1 hybrid seabream (Pagrus major?□Acanthopagrus schlegelii?) to transport stress at different densities. *Aquaculture Research*, **2018**, 49, 767-775	1.9	3
74	Oxidized fish oil injury stress in Megalobrama amblycephala: Evaluated by growth, intestinal physiology, and transcriptome-based PI3K-Akt/NF-Β/TCR inflammatory signaling. *Fish and Shellfish Immunology*, **2018**, 81, 446-455	4.3	33
73	Comparative expression analysis identifies the respiratory transition-related miRNAs and their target genes in tissues of metamorphosing Chinese giant salamander (Andrias davidianus). *BMC Genomics*, **2018**, 19, 406	4.5	3
72	Changes in Physiological Parameters, Lipid Metabolism, and Expression of MicroRNAs in Genetically Improved Farmed Tilapia () With Fatty Liver Induced by a High-Fat Diet. *Frontiers in Physiology*, **2018**, 9, 1521	4.6	24
71	Combined QTL and Genome Scan Analyses With the Help of 2b-RAD Identify Growth-Associated Genetic Markers in a New Fast-Growing Carp Strain. *Frontiers in Genetics*, **2018**, 9, 592	4.5	7
70	High Fat Diet-Induced miR-122 Regulates Lipid Metabolism and Fat Deposition in Genetically Improved Farmed Tilapia (GIFT,) Liver. *Frontiers in Physiology*, **2018**, 9, 1422	4.6	31
69	Assessing the genetic diversity of the critically endangered Chinese sturgeon Acipenser sinensis using mitochondrial markers and genome-wide single-nucleotide polymorphisms from RAD-seq. *Science China Life Sciences*, **2018**, 61, 1090-1098	8.5	2
68	Characterization of microbial communities in intensive GIFT tilapia (Oreochromis niloticus) pond systems during the peak period of breeding. *Aquaculture Research*, **2017**, 48, 459-472	1.9	29
67	Dietary supplementation with rutin has pro-/anti-inflammatory effects in the liver of juvenile GIFT tilapia, Oreochromis niloticus. *Fish and Shellfish Immunology*, **2017**, 64, 49-55	4.3	27
66	Inhibition of miR-92d-3p enhances inflammation responses in genetically improved farmed tilapia (GIFT, Oreochromis niloticus) with Streptococcus iniae infection by modulating complement C3. *Fish and Shellfish Immunology*, **2017**, 63, 367-375	4.3	23
65	miR-29a modulates SCD expression and is regulated in response to a saturated fatty acid diet in juvenile genetically improved farmed tilapia (). *Journal of Experimental Biology*, **2017**, 220, 1481-1489	3	12
64	Effect of methomyl on sex steroid hormone and vitellogenin levels in serum of male tilapia (Oreochromis niloticus) and recovery pattern. *Environmental Toxicology*, **2017**, 32, 1869-1877	4.2	12
63	Sex-Reversal Effect of Dietary Aloe vera (Liliaceae) on Genetically Improved Farmed Nile Tilapia Fry. *North American Journal of Aquaculture*, **2017**, 79, 100-105	1.5	8
62	Identification and characterization of lipid metabolism-related microRNAs in the liver of genetically improved farmed tilapia (GIFT,□Oreochromis niloticus) by deep sequencing. *Fish and Shellfish Immunology*, **2017**, 69, 227-235	4.3	21
61	The expression profiles of miRNA-mRNA of early response in genetically improved farmed tilapia (Oreochromis niloticus) liver by acute heat stress. *Scientific Reports*, **2017**, 7, 8705	4.9	31
60	Growth, biochemical, fatty acid composition, and mRNA levels of hepatic enzymes in genetically improved farmed tilapia (GIFT, Oreochromis niloticus) (Linnaeus, 1758) at different stocking densities. *Journal of Applied Ichthyology*, **2017**, 33, 757-766	0.9	7
59	Influences of dietary lipid and temperature on growth, fat deposition and lipoprotein lipase expression in darkbarbel catfish (Pelteobagrus vachellii). *Journal of Thermal Biology*, **2017**, 69, 191-198	2.9	11
58	Protective effect of Ganoderma lucidum polysaccharide against carbon tetrachloride-induced hepatic damage in precision-cut carp liver slices. *Fish Physiology and Biochemistry*, **2017**, 43, 1209-1221	2.7	8

57	Effects of exposure to Streptococcus iniae on microRNA expression in the head kidney of genetically improved farmed tilapia (Oreochromis niloticus). *BMC Genomics*, **2017**, 18, 190	4.5	31
56	miR-122 promotes hepatic antioxidant defense of genetically improved farmed tilapia (GIFT, Oreochromis niloticus) exposed to cadmium by directly targeting a metallothionein gene. *Aquatic Toxicology*, **2017**, 182, 39-48	5.1	45
55	Characterizing bacterial communities in tilapia pond surface sediment and their responses to pond differences and temporal variations. *World Journal of Microbiology and Biotechnology*, **2017**, 33, 1	4.4	58
54	Dietary lipid requirements of larval genetically improved farmed tilapia, Oreochromis niloticus (L.), and effects on growth performance, expression of digestive enzyme genes, and immune response. *Aquaculture Research*, **2017**, 48, 2827-2840	1.9	23
53	Relationship of RNA/DNA ratio to somatic growth of Nile tilapia juveniles (Oreochromis niloticus) under joint effects of temperature and salinity. *Aquaculture Research*, **2017**, 48, 2663-2671	1.9	3
52	Whole genome sequencing of Chinese clearhead icefish, Protosalanx hyalocranius. *GigaScience*, **2017**, 6, 1-6	7.6	12
51	Draft genome of the lined seahorse, Hippocampus erectus. *GigaScience*, **2017**, 6, 1-6	7.6	28
50	Diversity of Intestinal Microbiota in Coilia ectenes from Lake Taihu, China. *Open Life Sciences*, **2017**, 12, 315-325	1.2	1
49	miR-1338-5p Modulates Growth Hormone Secretion and Glucose Utilization by Regulating in Genetically Improved Farmed Tilapia (GIFT,). *Frontiers in Physiology*, **2017**, 8, 998	4.6	10
48	Molecular cloning and expression analysis of aquaporin-1 from the Coilia nasus under high-salinity conditions. *Journal of Fishery Sciences of China*, **2017**, 24, 449	1.8	2
47	Complete mitochondrial genome of Lateolabrax maculatus. *Mitochondrial DNA Part A: DNA Mapping, Sequencing, and Analysis*, **2016**, 27, 2510-1	1.3	
46	Complete mitochondrial genome of Caridina nilotica gracilipes. *Mitochondrial DNA*, **2016**, 27, 1249-50		4
45	Complete mitochondrial genome of Paracanthobrama guichenoti. *Mitochondrial DNA*, **2016**, 27, 727-8		0
44	Responses and recovery pattern of sex steroid hormones in testis of Nile tilapia (Oreochromis niloticus) exposed to sublethal concentration of methomyl. *Ecotoxicology*, **2016**, 25, 1805-1811	2.9	2
43	Integrated application of transcriptomics and metabolomics yields insights into population-asynchronous ovary development in Coilia nasus. *Scientific Reports*, **2016**, 6, 31835	4.9	21
42	High-quality genome assembly of channel catfish, Ictalurus punctatus. *GigaScience*, **2016**, 5, 39	7.6	26
41	Changes of gonadotropin-releasing hormone receptor 2 during the anadromous spawning migration in Coilia nasus. *BMC Developmental Biology*, **2016**, 16, 42	3.1	11
40	Comparative studies on endocrine status and gene expression of hepatic carbohydrate metabolic enzymes in juvenile GIFT tilapia (Oreochromis niloticus) fed high-carbohydrate diets. *Aquaculture Research*, **2016**, 47, 758-768	1.9	15

39	The changes in cortisol and expression of immune genes of GIFT tilapia Oreochromis niloticus (L.) at different rearing densities under Streptococcus iniae infection. *Aquaculture International*, **2016**, 24, 1365-1378	2.6	42
38	Hepatoprotective and antioxidant effects of dietary Angelica sinensis extract against carbon tetrachloride-induced hepatic injury in Jian Carp (Cyprinus carpio var. Jian). *Aquaculture Research*, **2016**, 47, 1852-1863	1.9	18
37	Draft genome of the Chinese mitten crab, Eriocheir sinensis. *GigaScience*, **2016**, 5, 5	7.6	84
36	Molecular cloning and expression analysis on LPL of Coilia nasus. *Gene*, **2016**, 583, 147-159	3.8	6
35	The Sinocyclocheilus cavefish genome provides insights into cave adaptation. *BMC Biology*, **2016**, 14, 1	7.3	144
34	Monogonont Rotifer, Brachionus calyciflorus, Possesses Exceptionally Large, Fragmented Mitogenome. *PLoS ONE*, **2016**, 11, e0168263	3.7	8
33	Molecular Characteristic, Protein Distribution and Potential Regulation of HSP90AA1 in the Anadromous Fish Coilia nasus. *Genes*, **2016**, 7,	4.2	4
32	Transport-induced changes in hypothalamic□pituitary□interrenal axis gene expression and oxidative stress responses in Coilia nasus. *Aquaculture Research*, **2016**, 47, 3599-3607	1.9	9
31	A chromosome-level genome assembly of the Asian arowana, Scleropages formosus. *Scientific Data* , **2016**, 3, 160105	8.2	10
30	The Asian arowana (Scleropages formosus) genome provides new insights into the evolution of an early lineage of teleosts. *Scientific Reports*, **2016**, 6, 24501	4.9	66
29	The effect of hyperthermia on liver histology, oxidative stress and disease resistance of the Wuchang bream, Megalobrama amblycephala. *Fish and Shellfish Immunology*, **2016**, 52, 317-24	4.3	25
28	Effects of methomyl on steroidogenic gene transcription of the hypothalamic-pituitary-gonad-liver axis in male tilapia. *Chemosphere*, **2016**, 165, 152-162	8.4	13
27	Molecular cloning, tissue expression of gene Muc2 in blunt snout bream Megalobrama amblycephala and regulation after re-feeding. *Chinese Journal of Oceanology and Limnology*, **2015**, 33, 291-298		5
26	Testes transcriptome profiles of the anadromous fish Coilia nasus during the onset of spermatogenesis. *Marine Genomics*, **2015**, 24 Pt 3, 241-3	1.9	10
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