Yong Zhang

List of Publications by Citations

122 papers	5,035 citations	28 h-index	70 g-index
124 ext. papers	6,368 ext. citations	4.1 avg, IF	5.06 L-index

#	Paper	IF	Citations
122	WEGO: a web tool for plotting GO annotations. *Nucleic Acids Research*, **2006**, 34, W293-7	20.1	2180
121	SOAPnuke: a MapReduce acceleration-supported software for integrated quality control and preprocessing of high-throughput sequencing data. *GigaScience*, **2018**, 7, 1-6	7.6	473
120	The draft genome of the grass carp (Ctenopharyngodon idellus) provides insights into its evolution and vegetarian adaptation. *Nature Genetics*, **2015**, 47, 625-31	36.3	263
119	Structural diversity of the GnIH/GnIH receptor system in teleost: its involvement in early development and the negative control of LH release. *Peptides*, **2010**, 31, 1034-43	3.8	128
118	The kiss/kissr systems are dispensable for zebrafish reproduction: evidence from gene knockout studies. *Endocrinology*, **2015**, 156, 589-99	4.8	119
117	Mudskipper genomes provide insights into the terrestrial adaptation of amphibious fishes. *Nature Communications*, **2014**, 5, 5594	17.4	89
116	Molecular identification of the Kiss2/Kiss1ra system and its potential function during 17alpha-methyltestosterone-induced sex reversal in the orange-spotted grouper, Epinephelus coioides. *Biology of Reproduction*, **2010**, 83, 63-74	3.9	82
115	Molecular cloning, characterization and expression profiles of multiple leptin genes and a leptin receptor gene in orange-spotted grouper (Epinephelus coioides). *General and Comparative Endocrinology*, **2013**, 181, 295-305	3	76
114	Evidences for the regulation of GnRH and GTH expression by GnIH in the goldfish, Carassius auratus. *Molecular and Cellular Endocrinology*, **2013**, 366, 9-20	4.4	75
113	A novel neuropeptide in suppressing luteinizing hormone release in goldfish, Carassius auratus. *Molecular and Cellular Endocrinology*, **2013**, 374, 65-72	4.4	60
112	Transcriptome analysis reveals the molecular mechanisms underlying growth superiority in a novel grouper hybrid (Epinephelus fuscogutatus? □E. lanceolatus?). *BMC Genetics*, **2016**, 17, 24	2.6	60
111	Two distinct cytochrome P450 aromatases in the orange-spotted grouper (Epinephelus coioides): cDNA cloning and differential mRNA expression. *Journal of Steroid Biochemistry and Molecular Biology*, **2004**, 92, 39-50	5.1	59
110	Orange-spotted grouper (Epinephelus coioides) toll-like receptor 22: molecular characterization, expression pattern and pertinent signaling pathways. *Fish and Shellfish Immunology*, **2012**, 33, 494-503	4.3	56
109	Interleukin-1beta gene in orange-spotted grouper, Epinephelus coioides: molecular cloning, expression, biological activities and signal transduction. *Molecular Immunology*, **2008**, 45, 857-67	4.3	55
108	Molecular identification of GnIH/GnIHR signal and its reproductive function in protogynous hermaphroditic orange-spotted grouper (Epinephelus coioides). *General and Comparative Endocrinology*, **2015**, 216, 9-23	3	52
107	Genetic Evidence for Multifactorial Control of the Reproductive Axis in Zebrafish. *Endocrinology*, **2017**, 158, 604-611	4.8	51
106	The mRNA expression of P450 aromatase, gonadotropin beta-subunits and FTZ-F1 in the orange-spotted grouper (Epinephelus Coioides) during 17alpha-methyltestosterone-induced precocious sex change. *Molecular Reproduction and Development*, **2007**, 74, 665-73	2.6	51

105	Signatures of selection in tilapia revealed by whole genome resequencing. *Scientific Reports*, **2015**, 5, 14168	4.9	47
104	Spexin Suppress Food Intake in Zebrafish: Evidence from Gene Knockout Study. *Scientific Reports*, **2017**, 7, 14643	4.9	37
103	Gene knockout of nuclear progesterone receptor provides insights into the regulation of ovulation by LH signaling in zebrafish. *Scientific Reports*, **2016**, 6, 28545	4.9	36
102	Construction of high-density genetic linkage maps for orange-spotted grouper Epinephelus coioides using multiplexed shotgun genotyping. *BMC Genetics*, **2013**, 14, 113	2.6	35
101	The evolution of tachykinin/tachykinin receptor (TAC/TACR) in vertebrates and molecular identification of the TAC3/TACR3 system in zebrafish (Danio rerio). *Molecular and Cellular Endocrinology*, **2012**, 361, 202-12	4.4	33
100	Sexual dimorphism of steroidogenesis regulated by GnIH in the goldfish, Carassius auratus. *Biology of Reproduction*, **2013**, 88, 89	3.9	33
99	Molecular regulation of sex change induced by methyltestosterone -feeding and methyltestosterone -feeding withdrawal in the protogynous orange-spotted grouper. *Biology of Reproduction*, **2017**, 97, 324-333	3.9	32
98	Molecular cloning, characterization and expression profiles of three estrogen receptors in protogynous hermaphroditic orange-spotted grouper (Epinephelus coioides). *General and Comparative Endocrinology*, **2011**, 172, 371-81	3	31
97	The complete mitochondrial genome of the Trachinotus ovatus (Teleostei, Carangidae). *Mitochondrial DNA*, **2015**, 26, 644-6		29
96	Discovery of four estrogen receptors and their expression profiles during testis recrudescence in male Spinibarbus denticulatus. *General and Comparative Endocrinology*, **2008**, 156, 265-76	3	29
95	Molecular cloning and functional characterization of spexin in orange-spotted grouper (Epinephelus coioides). *Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology*, **2016**, 196-197, 85-91	2.3	29
94	Genetic diversity and differentiation of the orange-spotted grouper (Epinephelus coioides) between and within cultured stocks and wild populations inferred from microsatellite DNA analysis. *International Journal of Molecular Sciences*, **2011**, 12, 4378-94	6.3	28
93	Comparative Transcriptomic Study of Muscle Provides New Insights into the Growth Superiority of a Novel Grouper Hybrid. *PLoS ONE*, **2016**, 11, e0168802	3.7	27
92	De novo assembly of a chromosome-level reference genome of red-spotted grouper (Epinephelus akaara) using nanopore sequencing and Hi-C. *Molecular Ecology Resources*, **2019**, 19, 1461-1469	8.4	26
91	Day-night and reproductive cycle profiles of melatonin receptor, kiss, and gnrh expression in orange-spotted grouper (Epinephelus coioides). *Molecular Reproduction and Development*, **2013**, 80, 535-48	2.6	25
90	Gonadal development, aromatase activity and P450 aromatase gene expression during sex inversion of protogynous red-spotted grouper Epinephelus akaara (Temminck and Schlegel) after implantation of the aromatase inhibitor, fadrozole. *Aquaculture Research*, **2006**, 37, 484-491	1.9	24
89	Intracellular TLR22 acts as an inflammation equalizer via suppression of NF-B and selective activation of MAPK pathway in fish. *Fish and Shellfish Immunology*, **2018**, 72, 646-657	4.3	22
88	Goldfish neurokinin B: Cloning, tissue distribution, and potential role in regulating reproduction. *General and Comparative Endocrinology*, **2015**, 221, 267-77	3	21

87	Genome-Wide Mapping of Growth-Related Quantitative Trait Loci in Orange-Spotted Grouper (Epinephelus coioides) Using Double Digest Restriction-Site Associated DNA Sequencing (ddRADseq). *International Journal of Molecular Sciences*, **2016**, 17, 501	6.3	21
86	Two distinct interferon-γ genes in Tetraodon nigroviridis: Functional analysis during Vibrio parahaemolyticus infection. *Molecular Immunology*, **2016**, 70, 34-46	4.3	20
85	Vibrio parahaemolyticus flagellin induces cytokines expression via toll-like receptor 5 pathway in orange-spotted grouper, Epinephelus coioides. *Fish and Shellfish Immunology*, **2019**, 87, 573-581	4.3	18
84	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	2.3	18
83	A chromosome-level genome assembly of the giant grouper (Epinephelus lanceolatus) provides insights into its innate immunity and rapid growth. *Molecular Ecology Resources*, **2019**, 19, 1322-1332	8.4	17
82	Identification and functional characterization of Toll-like receptor 13 from orange-spotted grouper (Epinephelus coioides). *Fish and Shellfish Immunology*, **2018**, 74, 309-317	4.3	17
81	Characterization of triploid hybrid groupers from interspecies hybridization (Epinephelus coioides ♀ × Epinephelus lanceolatus ♂). *Aquaculture Research*, **2016**, 47, 2195-2204	1.9	16
80	Identification and characterization of a motilin-like peptide and its receptor in teleost. *General and Comparative Endocrinology*, **2013**, 186, 85-93	3	16
79	Female-to-male sex reversal in orange-spotted grouper (Epinephelus coioides) caused by overexpressing of Amh in vivo. *Biology of Reproduction*, **2018**, 99, 1205-1215	3.9	15
78	Expression profiles of gonadotropins and their receptors during 17α-methyltestosterone implantation-induced sex change in the orange-spotted grouper (Epinephelus coioides). *Molecular Reproduction and Development*, **2011**, 78, 376-90	2.6	15
77	Screening and characterization of sex-specific markers developed by a simple NGS method in mandarin fish (Siniperca chuatsi). *Aquaculture*, **2020**, 527, 735495	4.4	15
76	Expression profiles of dmrts and foxls during gonadal development and sex reversal induced by 17α-methyltestosterone in the orange-spotted grouper. *General and Comparative Endocrinology*, **2019**, 274, 26-36	3	15
75	Molecular cloning of the insulin-like growth factor 3 and difference in the expression of igf genes in orange-spotted grouper (Epinephelus coioides). *Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology*, **2015**, 186, 68-75	2.3	14
74	Socially controlled male-to-female sex reversal in the protogynous orange-spotted grouper, Epinephelus coioides. *Journal of Fish Biology*, **2019**, 94, 414-421	1.9	13
73	Neurokinin B signaling in hermaphroditic species, a study of the orange-spotted grouper (Epinephelus coioides). *General and Comparative Endocrinology*, **2018**, 260, 125-135	3	13
72	Wnt4 in protogynous hermaphroditic orange-spotted grouper (Epinephelus coioides): identification and expression. *Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology*, **2015**, 183, 67-74	2.3	12
71	The complete mitochondrial genome of the Hemibagrus wyckioides (Siluriformes, Bagridae). *Mitochondrial DNA*, **2016**, 27, 766-8		12
70	The complete mitochondrial genome of the Hemibarbus medius (Cypriniformes, Cyprinidae). *Mitochondrial DNA*, **2016**, 27, 1070-2		12

69	An estradiol-17β/miRNA-26a/cyp19a1a regulatory feedback loop in the protogynous hermaphroditic fish, Epinephelus coioides. *Molecular and Cellular Endocrinology*, **2020**, 504, 110689	4.4	11
68	Whole Genome Sequencing of the Giant Grouper () and High-Throughput Screening of Putative Antimicrobial Peptide Genes. *Marine Drugs*, **2019**, 17,	6	10
67	Polymorphisms of leptin-b gene associated with growth traits in orange-spotted grouper (Epinephelus coioides). *International Journal of Molecular Sciences*, **2014**, 15, 11996-2006	6.3	10
66	Two alternatively spliced GPR39 transcripts in seabream: molecular cloning, genomic organization, and regulation of gene expression by metabolic signals. *Journal of Endocrinology*, **2008**, 199, 457-70	4.7	10
65	Tetraodon nigroviridis: A model of Vibrio parahaemolyticus infection. *Fish and Shellfish Immunology*, **2016**, 56, 388-396	4.3	10
64	Leptin Stimulates Prolactin mRNA Expression in the Goldfish Pituitary through a Combination of the PI3K/Akt/mTOR, MKK/pMAPK and MEK/ERK Signalling Pathways. *International Journal of Molecular Sciences*, **2017**, 18,	6.3	9
63	Two Distinct Interferon-γ in the Orange-Spotted Grouper (): Molecular Cloning, Functional Characterization, and Regulation in Toll-Like Receptor Pathway by Induction of miR-146a. *Frontiers in Endocrinology*, **2018**, 9, 41	5.7	9
62	Two IFNGR1 homologues in Tetraodon nigroviridis: Origin, expression analysis and ligand-binding preference. *Developmental and Comparative Immunology*, **2014**, 44, 270-9	3.2	9
61	Transcriptome analysis of the spleen provides insight into the immunoregulation of Mastacembelus armatus under Aeromonas veronii infection. *Fish and Shellfish Immunology*, **2019**, 88, 272-283	4.3	9
60	Production of neo-male mandarin fish Siniperca chuatsi by masculinization with orally administered 17α-methyltestosterone. *Aquaculture*, **2021**, 530, 735904	4.4	9
59	MT-Feeding-Induced Impermanent Sex Reversal in the Orange-Spotted Grouper during Sex Differentiation. *International Journal of Molecular Sciences*, **2018**, 19,	6.3	9
58	Identification and functional characterization of two Secretogranin II genes in orange-spotted grouper (Epinephelus coioides). *General and Comparative Endocrinology*, **2018**, 261, 115-126	3	8
57	Molecular identification of the Dyn/Kor system and its potential role in the reproductive axis of goldfish. *General and Comparative Endocrinology*, **2018**, 257, 29-37	3	8
56	Single nucleotide polymorphisms in the leptin-a gene and associations with growth traits in the orange-spotted grouper (Epinephelus coioides). *International Journal of Molecular Sciences*, **2013**, 14, 8625-37	6.3	8
55	Beta-Hydroxysteroid Dehydrogenase Genes in Orange-Spotted Grouper (): Genome-Wide Identification and Expression Analysis During Sex Reversal. *Frontiers in Genetics*, **2020**, 11, 161	4.5	7
54	The Administration of Cortisol Induces Female-to-Male Sex Change in the Protogynous Orange-Spotted Grouper,. *Frontiers in Endocrinology*, **2020**, 11, 12	5.7	7
53	MicroRNA-182-3p negatively regulates cytokines expression by targeting TLR5M in orange-spotted grouper, Epinephelus coioides. *Fish and Shellfish Immunology*, **2019**, 93, 589-596	4.3	7
52	The complete mitochondrial genome of the Rhabdosargus sarba (Perciformes: Sparidae). *Mitochondrial DNA*, **2016**, 27, 1606-7		7

51	New Insights Into the Role of Follicle-Stimulating Hormone in Sex Differentiation of the Protogynous Orange-Spotted Grouper,. *Frontiers in Endocrinology*, **2019**, 10, 304	5.7	6
50	The complete mitochondrial genome of the hybrid grouper ( ) with phylogenetic consideration. *Mitochondrial DNA Part B: Resources*, **2017**, 2, 171-172	0.5	6
49	The complete mitochondrial genome of the orange-spotted grouper Epinephelus coioides (Perciformes, Serranidae). *Mitochondrial DNA*, **2016**, 27, 1674-6		6
48	The complete mitochondrial genome of the hybrid grouper ? ? with phylogenetic consideration. *Mitochondrial DNA Part B: Resources*, **2017**, 2, 31-32	0.5	5
47	NKB/NK3 system negatively regulates the reproductive axis in sexually immature goldfish (Carassius auratus). *General and Comparative Endocrinology*, **2019**, 281, 126-136	3	5
46	Cloning, expression and functional characterization of a novel luteinizing hormone receptor in the orange-spotted grouper, Epinephelus coioides. *General and Comparative Endocrinology*, **2018**, 267, 90-97	3	5
45	An SNP-Based Genetic Map and QTL Mapping for Growth Traits in the Red-Spotted Grouper (). *Genes*, **2019**, 10,	4.2	5
44	Estradiol-17 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	2.3	5
43	A simple PCR-based genetic sex identification method in the blotched snakehead (Channa maculata) developed by high-throughput sequencing. *Aquaculture*, **2021**, 538, 736579	4.4	5
42	Probiotics Improve Eating Disorders in Mandarin Fish () Induced by a Pellet Feed Diet via Stimulating Immunity and Regulating Gut Microbiota. *Microorganisms*, **2021**, 9,	4.9	5
41	Transcriptomic Analysis Revealed the Regulatory Mechanisms of Oocyte Maturation and Hydration in Orange-Spotted Grouper (Epinephelus coioides). *Marine Biotechnology*, **2019**, 21, 537-549	3.4	4
40	Natural sex change in mature protogynous orange-spotted grouper (Epinephelus coioides): gonadal restructuring, sex hormone shifts and gene profiles. *Journal of Fish Biology*, **2020**, 97, 785-793	1.9	4
39	Comparison of Gonadal Development in Diploid and Triploid Hybrid Groupers, Epinephelus coioides ? Epinephelus lanceolatus ?. *Journal of the World Aquaculture Society*, **2018**, 49, 328-337	2.5	4
38	Characterization, evolution, and expression analysis of TLR7 gene subfamily members in Mastacembelus armatus (Synbranchiformes: Mastacembelidae). *Developmental and Comparative Immunology*, **2019**, 95, 77-88	3.2	4
37	Comparative transcriptome analysis of diploid and triploid hybrid groupers (Epinephelus coioides? E. lanceolatus?) reveals the mechanism of abnormal gonadal development in triploid hybrids. *Genomics*, **2019**, 111, 251-259	4.3	4
36	Physical interactions facilitate sex change in the protogynous orange-spotted grouper, Epinephelus coioides. *Journal of Fish Biology*, **2021**, 98, 1308-1320	1.9	4
35	Identification of potential sex-related genes in Siniperca chuatsi. *Journal of Oceanology and Limnology*, **2021**, 39, 1500	1.5	4
34	The complete mitochondrial genome of the hybrid grouper Epinephelus coioides? Epinephelus lanceolatus?. *Mitochondrial DNA Part A: DNA Mapping, Sequencing, and Analysis*, **2016**, 27, 4181-4182	1.3	3

33	Copy Number Variations in Tilapia Genomes. *Marine Biotechnology*, **2017**, 19, 11-21	3.4	3
32	Molecular characterization and functional analysis of IKK□n orange-spotted grouper (Epinephelus coioides). *Fish and Shellfish Immunology*, **2020**, 101, 159-167	4.3	3
31	Formation of diploid and triploid hybrid groupers (hybridization of Epinephelus coioides ? □Epinephelus lanceolatus ?) and their 5S gene analysis. *BMC Genetics*, **2016**, 17, 136	2.6	3
30	The complete mitochondrial genome of the Platax teira (Osteichthyes: Ephippidae). *Mitochondrial DNA*, **2016**, 27, 796-7		3
29	The complete mitochondrial genome of the hybrid grouper □with phylogenetic consideration. *Mitochondrial DNA Part B: Resources*, **2016**, 1, 584-585	0.5	3
28	Characterization of dmrts and their potential role in gonadal development of mandarin fish (Siniperca chuatsi). *Aquaculture Reports*, **2021**, 21, 100802	2.3	3
27	The next-generation sequencing reveals the complete mitochondrial genome of (Perciformes: Clupeidae) with phylogenetic consideration. *Mitochondrial DNA Part B: Resources*, **2017**, 2, 304-306	0.5	2
26	The complete mitochondrial genome of the Epinephelus lanceolatus (Perciformes: Serranidae). *Mitochondrial DNA*, **2016**, 27, 1738-9		2
25	The complete mitochondrial genome of the Epinephelus akaara (Perciformes: Serranidae). *Mitochondrial DNA*, **2016**, 27, 1890-1		2
24	Promotion of pellet-feed feeding in mandarin fish (Siniperca chuatsi) by Bdellovibrio bacteriovorus is influenced by immune and intestinal flora. *Aquaculture*, **2021**, 542, 736864	4.4	2
23	The complete mitochondrial genome of the Epinephelus corallicola (Perciformes: Serranidae). *Mitochondrial DNA Part A: DNA Mapping, Sequencing, and Analysis*, **2016**, 27, 3971-3972	1.3	1
22	MicroRNA-29b modulates the innate immune response by suppressing IFN□ production in orange-spotted grouper (Epinephelus coioides). *Fish and Shellfish Immunology*, **2020**, 104, 537-544	4.3	1
21	Induction of oocyte maturation and changes in the biochemical composition, physiology and molecular biology of oocytes during maturation and hydration in the orange-spotted grouper (Epinephelus coioides). *Aquaculture*, **2020**, 522, 735115	4.4	1
20	Microsatellite analysis of the genetic relationships between wild and cultivated giant grouper in the South China Sea. *Journal of Genetics*, **2016**, 95, 369-76	1.2	1
19	The complete mitochondrial genome of the Pampus nozawae (Perciformes: Stromateidae). *Mitochondrial DNA*, **2016**, 27, 988-9		1
18	The complete mitochondrial genome of the Epinephelus fuscoguttatus (Perciformes: Serranidae). *Mitochondrial DNA Part A: DNA Mapping, Sequencing, and Analysis*, **2016**, 27, 4110-4111	1.3	1
17	The complete mitochondrial genome of the Epinephelus moara (Osteichthyes: Ephippidae). *Mitochondrial DNA*, **2016**, 27, 2174-5		1
16	The flagellin of Vibrio parahaemolyticus induces the inflammatory response of Tetraodon nigroviridis through TLR5M. *Fish and Shellfish Immunology*, **2021**, 120, 102-110	4.3	1

15	A PCR-based genetic sex identification method in spotted mandarin fish (Siniperca scherzeri) and big eye mandarin fish (Siniperca kneri). *Aquaculture Reports*, **2020**, 18, 100552	2.3	1
14	Retinoic acid and androgen influence germ cells development and meiotic initiation in juvenile orange-spotted grouper, Epinephelus coioides. *General and Comparative Endocrinology*, **2020**, 289, 113379	3	1
13	The complete mitochondrial genome of Epinephelus awoara (Perciformes: Epinephelus) with phylogenetic consideration. *Mitochondrial DNA Part A: DNA Mapping, Sequencing, and Analysis*, **2016**, 27, 4286-4287	1.3	1
12	23S rRNA from Vibrio parahaemolyticus regulates the innate immune response via recognition by TLR13 in orange-spotted grouper (Epinephelus coioides). *Developmental and Comparative Immunology*, **2021**, 114, 103837	3.2	1
11	Knockout of tac3 genes in zebrafish shows no impairment of reproduction. *General and Comparative Endocrinology*, **2021**, 311, 113839	3	1
10	Efficient RNA Virus Targeting via CRISPR/CasRx in Fish. *Journal of Virology*, **2021**, 95, e0046121	6.6	1
9	Development and gene expression analysis of gonad during 17□methyltestosterone-induced sex reversal in mandarin fish (Siniperca chuatsi). *Aquaculture Reports*, **2022**, 23, 101049	2.3	1
8	Comparative Metabolomics and Proteomics Reveal Targets Hypoxia-Related Signaling Pathways of .. *Frontiers in Immunology*, **2021**, 12, 825358	8.4	0
7	Molecular cloning and characterization of estrogen and androgen receptors in Mandarin fish, Siniperca chuatsi. *Aquaculture Reports*, **2021**, 21, 100834	2.3	0
6	Estrogen receptor-related receptors in mandarin fish (Siniperca chuatsi): Molecular cloning, characterization, and estrogen responsiveness. *Aquaculture Reports*, **2022**, 24, 101137	2.3	0
5	The complete mitochondrial genome of the Siganus canaliculatus (Perciformes: Siganidae). *Mitochondrial DNA*, **2016**, 27, 1111-2		
4	The complete mitochondrial genome of the Drepane punctata (Perciformes: Drepanidae). *Mitochondrial DNA*, **2016**, 27, 1625-6		
3	Cloning, pattern of gonadal soma-derived factor mRNA in the orange-spotted grouper, Epinephelus coioides. *Aquaculture Reports*, **2021**, 20, 100754	2.3	
2	Molecular cloning, expression patterns and functional characterization of Gpr3 in the orange-spotted grouper (Epinephelus coioides). *Aquaculture Reports*, **2022**, 23, 101050	2.3	
1	Vibrio parahaemolyticus flagellin F (FlaF) induces the inflammatory response of the Tetraodon nigroviridis through the TLR5M. *Aquaculture*, **2022**, 555, 738140	4.4	