

Xiao-Juan Zhang

List of Publications by Year in descending order

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30
papers

759
citations

471509

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citing authors

#	ARTICLE	IF	CITATIONS
1	Evolutionary history of two divergent Dmrt1 genes reveals two rounds of polyploidy origins in gibel carp. <i>Molecular Phylogenetics and Evolution</i> , 2014, 78, 96-104.	2.7	69
2	Extra Microchromosomes Play Male Determination Role in Polyploid Gibel Carp. <i>Genetics</i> , 2016, 203, 1415-1424.	2.9	55
3	Origin and transition of sex determination mechanisms in a gynogenetic hexaploid fish. <i>Heredity</i> , 2018, 121, 64-74.	2.6	51
4	High male incidence and evolutionary implications of triploid form in northeast Asia <i>Carassius auratus</i> complex. <i>Molecular Phylogenetics and Evolution</i> , 2013, 66, 350-359.	2.7	46
5	Complete depletion of primordial germ cells in an All-female fish leads to Sex-biased gene expression alteration and sterile All-male occurrence. <i>BMC Genomics</i> , 2015, 16, 971.	2.8	44
6	Functional Divergence of Multiple Duplicated <i>Foxl2</i> Homeologs and Alleles in a Recurrent Polyploid Fish. <i>Molecular Biology and Evolution</i> , 2021, 38, 1995-2013.	8.9	44
7	Wider geographic distribution and higher diversity of hexaploids than tetraploids in <i>Carassius</i> species complex reveal recurrent polyploidy effects on adaptive evolution. <i>Scientific Reports</i> , 2017, 7, 5395.	3.3	37
8	Expression characterization of testicular DMRT1 in both Sertoli cells and spermatogenic cells of polyploid gibel carp. <i>Gene</i> , 2014, 548, 119-125.	2.2	36
9	Regain of sex determination system and sexual reproduction ability in a synthetic octoploid male fish. <i>Science China Life Sciences</i> , 2021, 64, 77-87.	4.9	36
10	Stable Genome Incorporation of Sperm-derived DNA Fragments in Gynogenetic Clone of Gibel Carp. <i>Marine Biotechnology</i> , 2020, 22, 54-66.	2.4	29
11	Comparative genome anatomy reveals evolutionary insights into a unique amphitriploid fish. <i>Nature Ecology and Evolution</i> , 2022, 6, 1354-1366.	7.8	29
12	Differential expression of innate and adaptive immune genes in the survivors of three gibel carp gynogenetic clones after herpesvirus challenge. <i>BMC Genomics</i> , 2019, 20, 432.	2.8	27
13	Upregulation of the PPAR signaling pathway and accumulation of lipids are related to the morphological and structural transformation of the dragon-eye goldfish eye. <i>Science China Life Sciences</i> , 2021, 64, 1031-1049.	4.9	27
14	Type-IV Antifreeze Proteins are Essential for Epiboly and Convergence in Gastrulation of Zebrafish Embryos. <i>International Journal of Biological Sciences</i> , 2014, 10, 715-732.	6.4	25
15	Distinct sperm nucleus behaviors between genotypic and temperature-dependent sex determination males are associated with replication and expression-related pathways in a gynogenetic fish. <i>BMC Genomics</i> , 2018, 19, 437.	2.8	23
16	Differential expression and functional diversification of diverse immunoglobulin domain-containing protein (DICP) family in three gynogenetic clones of gibel carp. <i>Developmental and Comparative Immunology</i> , 2018, 84, 396-407.	2.3	21
17	A novel male-specific SET domain-containing gene <i>setdm</i> identified from extra microchromosomes of gibel carp males. <i>Science Bulletin</i> , 2017, 62, 528-536.	9.0	19
18	Protective effect of <i>Clostridium butyricum</i> against <i>Carassius auratus</i> herpesvirus in gibel carp. <i>Aquaculture International</i> , 2019, 27, 905-914.	2.2	18

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19	Unusual AT-skew of <i>Sinorhodeus microlepis</i> mitogenome provides new insights into mitogenome features and phylogenetic implications of bitterling fishes. <i>International Journal of Biological Macromolecules</i> , 2019, 129, 339-350.	7.5	17
20	Genomic anatomy of male-specific microchromosomes in a gynogenetic fish. <i>PLoS Genetics</i> , 2021, 17, e1009760.	3.5	17
21	Oocyte-specific maternal <i>Slbp2</i> is required for replication-dependent histone storage and early nuclear cleavage in zebrafish oogenesis and embryogenesis. <i>Rna</i> , 2018, 24, 1738-1748.	3.5	16
22	Whole Genome Incorporation and Epigenetic Stability in a Newly Synthetic Allopolyploid of Gynogenetic Gibel Carp. <i>Genome Biology and Evolution</i> , 2018, 10, 2394-2407.	2.5	14
23	Dynamic and Differential Expression of Duplicated <i>Cxcr4/Cxcl12</i> Genes Facilitates Antiviral Response in Hexaploid Gibel Carp. <i>Frontiers in Immunology</i> , 2020, 11, 2176.	4.8	12
24	Comparative mitogenome analyses uncover mitogenome features and phylogenetic implications of the subfamily Cobitinae. <i>BMC Genomics</i> , 2021, 22, 50.	2.8	11
25	Divergent Antiviral Mechanisms of Two Viperin Homeologs in a Recurrent Polyploid Fish. <i>Frontiers in Immunology</i> , 2021, 12, 702971.	4.8	11
26	Genotypic Males Play an Important Role in the Creation of Genetic Diversity in Gynogenetic Gibel Carp. <i>Frontiers in Genetics</i> , 2021, 12, 691923.	2.3	9
27	Two duplicated <i>gsdf</i> homeologs cooperatively regulate male differentiation by inhibiting <i>cyp19a1a</i> transcription in a hexaploid fish. <i>PLoS Genetics</i> , 2022, 18, e1010288.	3.5	5
28	Molecular characterization and expression of an oocyte-specific histone stem-loop binding protein in <i>Carassius gibelio</i> . <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2015, 190, 46-53.	1.6	4
29	Two Duplicated <i>Ptpn6</i> Homeologs Cooperatively and Negatively Regulate RLR-Mediated IFN Response in Hexaploid Gibel Carp. <i>Frontiers in Immunology</i> , 2021, 12, 780667.	4.8	4
30	Comparative mitogenomic analyses unveil conserved and variable mitogenomic features and phylogeny of Chedrinae fish. <i>Zoological Research</i> , 2022, 43, 30-32.	2.1	3