

Guangtu Gao

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

1,359
citations

516561

16
h-index

752573

20
g-index

24
all docs

24
docs citations

24
times ranked

1169
citing authors

#	ARTICLE	IF	CITATIONS
1	Genomic selection models double the accuracy of predicted breeding values for bacterial cold water disease resistance compared to a traditional pedigree-based model in rainbow trout aquaculture. <i>Genetics Selection Evolution</i> , 2017, 49, 17.	1.2	191
2	Sex-dependent dominance maintains migration supergene in rainbow trout. <i>Nature Ecology and Evolution</i> , 2019, 3, 1731-1742.	3.4	188
3	Genome-Wide Association Study for Identifying Loci that Affect Fillet Yield, Carcass, and Body Weight Traits in Rainbow Trout (<i>Oncorhynchus mykiss</i>). <i>Frontiers in Genetics</i> , 2016, 7, 203.	1.1	124
4	Evaluation of Genome-Enabled Selection for Bacterial Cold Water Disease Resistance Using Progeny Performance Data in Rainbow Trout: Insights on Genotyping Methods and Genomic Prediction Models. <i>Frontiers in Genetics</i> , 2016, 7, 96.	1.1	118
5	Accurate genomic predictions for BCWD resistance in rainbow trout are achieved using low-density SNP panels: Evidence that long-range LD is a major contributing factor. <i>Journal of Animal Breeding and Genetics</i> , 2018, 135, 263-274.	0.8	105
6	Similar Genetic Architecture with Shared and Unique Quantitative Trait Loci for Bacterial Cold Water Disease Resistance in Two Rainbow Trout Breeding Populations. <i>Frontiers in Genetics</i> , 2017, 8, 156.	1.1	80
7	Whole-body transcriptome of selectively bred, resistant-, control-, and susceptible-line rainbow trout following experimental challenge with <i>Flavobacterium psychrophilum</i> . <i>Frontiers in Genetics</i> , 2014, 5, 453.	1.1	74
8	A resource of single nucleotide polymorphisms for rainbow trout generated by restriction site associated DNA sequencing of doubled haploids. <i>Molecular Ecology Resources</i> , 2014, 14, 588-596.	2.2	64
9	Identification of single nucleotide polymorphism markers associated with bacterial cold water disease resistance and spleen size in rainbow trout. <i>Frontiers in Genetics</i> , 2015, 6, 298.	1.1	62
10	A New Single Nucleotide Polymorphism Database for Rainbow Trout Generated Through Whole Genome Resequencing. <i>Frontiers in Genetics</i> , 2018, 9, 147.	1.1	55
11	Generation of a reference transcriptome for evaluating rainbow trout responses to various stressors. <i>BMC Genomics</i> , 2011, 12, 626.	1.2	54
12	Genome-wide association analysis and accuracy of genome-enabled breeding value predictions for resistance to infectious hematopoietic necrosis virus in a commercial rainbow trout breeding population. <i>Genetics Selection Evolution</i> , 2019, 51, 47.	1.2	53
13	A long reads-based <i>de-novo</i> assembly of the genome of the Arlee homozygous line reveals chromosomal rearrangements in rainbow trout. <i>G3: Genes, Genomes, Genetics</i> , 2021, 11, .	0.8	40
14	Whole-genome mapping of quantitative trait loci and accuracy of genomic predictions for resistance to columnaris disease in two rainbow trout breeding populations. <i>Genetics Selection Evolution</i> , 2019, 51, 42.	1.2	39
15	Retrospective Evaluation of Marker-Assisted Selection for Resistance to Bacterial Cold Water Disease in Three Generations of a Commercial Rainbow Trout Breeding Population. <i>Frontiers in Genetics</i> , 2018, 9, 286.	1.1	29
16	Analysis of BAC-end sequences in rainbow trout: Content characterization and assessment of synteny between trout and other fish genomes. <i>BMC Genomics</i> , 2011, 12, 314.	1.2	23
17	Transcriptomic Response to Selective Breeding for Fast Growth in Rainbow Trout (<i>Oncorhynchus</i>) Tj ETQq1 1 0.784314 rgBT/Overlode	1.1	15
18	Assessing Accuracy of Genomic Predictions for Resistance to Infectious Hematopoietic Necrosis Virus With Progeny Testing of Selection Candidates in a Commercial Rainbow Trout Breeding Population. <i>Frontiers in Veterinary Science</i> , 2020, 7, 590048.	0.9	14

#	ARTICLE	IF	CITATIONS
19	Identification of High-Confidence Structural Variants in Domesticated Rainbow Trout Using Whole-Genome Sequencing. <i>Frontiers in Genetics</i> , 2021, 12, 639355.	1.1	11
20	The Effects of Interface Structure and Polymerization on the Friction of Model Self-Assembled Monolayers. <i>Tribology Letters</i> , 2011, 42, 37-49.	1.2	10
21	Development of a High-Density 665 K SNP Array for Rainbow Trout Genome-Wide Genotyping. <i>Frontiers in Genetics</i> , 0, 13, .	1.1	5
22	Identification of Haplotypes Associated With Resistance to Bacterial Cold Water Disease in Rainbow Trout Using Whole-Genome Resequencing. <i>Frontiers in Genetics</i> , 0, 13, .	1.1	4