

Guangtu Gao

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

1,359
citations

516215

16
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752256

20
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all docs

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docs citations

24
times ranked

1169
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	Transcriptomic Response to Selective Breeding for Fast Growth in Rainbow Trout (<i>Oncorhynchus tshawytscha</i>). <i>Overlook</i> , 2021, 10, 15.	1.1	15
5	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
6	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
7	Sex-dependent dominance maintains migration supergene in rainbow trout. <i>Nature Ecology and Evolution</i> , 2019, 3, 1731-1742.	3.4	188
8	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
9	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
10	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
11	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
12	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
13	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
14	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
15	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
16	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
17	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
18	Generation of a reference transcriptome for evaluating rainbow trout responses to various stressors. <i>BMC Genomics</i> , 2011, 12, 626.	1.2	54

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19	The Effects of Interface Structure and Polymerization on the Friction of Model Self-Assembled Monolayers. Tribology Letters, 2011, 42, 37-49.	1.2	10
20	Analysis of BAC-end sequences in rainbow trout: Content characterization and assessment of synteny between trout and other fish genomes. BMC Genomics, 2011, 12, 314.	1.2	23
21	Identification of Haplotypes Associated With Resistance to Bacterial Cold Water Disease in Rainbow Trout Using Whole-Genome Resequencing. Frontiers in Genetics, 0, 13, .	1.1	4
22	Development of a High-Density 665 K SNP Array for Rainbow Trout Genome-Wide Genotyping. Frontiers in Genetics, 0, 13, .	1.1	5