Yniv Palti

List of Publications by Year
in descending order

99 papers	6,968 citations	57719 44 h-index	66879 78 g-index
109 all docs	109 docs citations	109 times ranked	7462 citing authors

#	Article	IF	Citations
1	The Atlantic salmon genome provides insights into rediploidization. Nature, 2016, 533, 200-205.	13.7	1,021
2	Toll-like receptors in bony fish: From genomics to function. Developmental and Comparative Immunology, 2011, 35, 1263-1272.	1.0	462
3	Coordinated international action to accelerate genome-to-phenome with FAANG, the Functional Annotation of Animal Genomes project. Genome Biology, 2015, 16, 57.	3.8	331
4	Status and opportunities for genomics research with rainbow trout. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2002, 133, 609-646.	0.7	206
5	A conserved haplotype controls parallel adaptation in geographically distant salmonid populations. Molecular Ecology, 2012, 21, 237-249.	2.0	201
6	The development and characterization of a 57<scp>K</scp> single nucleotide polymorphism array for rainbow trout. Molecular Ecology Resources, 2015, 15, 662-672.	2.2	201
7	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. Genetics Selection Evolution, 2017, 49, 17.	1.2	191
8	Sex-dependent dominance maintains migration supergene in rainbow trout. Nature Ecology and Evolution, 2019, 3, 1731-1742.	3.4	188
9	Characterization of Toll-like receptor 3 gene in rainbow trout (Oncorhynchus mykiss). Immunogenetics, 2005, 57, 510-519.	1.2	163
10	Aquaculture genomics, genetics and breeding in the United States: current status, challenges, and priorities for future research. BMC Genomics, 2017, 18, 191.	1.2	155
11	RNA-Seq Identifies SNP Markers for Growth Traits in Rainbow Trout. PLoS ONE, 2012, 7, e36264.	1.1	138
12	Genome-Wide Association Study for Identifying Loci that Affect Fillet Yield, Carcass, and Body Weight Traits in Rainbow Trout (Oncorhynchus mykiss). Frontiers in Genetics, 2016, 7, 203.	1.1	124
13	Rainbow trout resistance to bacterial cold-water disease is moderately heritable and is not adversely correlated with growth1. Journal of Animal Science, 2009, 87, 860-867.	0.2	120
14	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. Frontiers in Genetics, 2016, 7, 96.	1.1	118
15	A second generation genetic map for rainbow trout (Oncorhynchus mykiss). BMC Genetics, 2008, 9, 74.	2.7	116
16	Response to selection for bacterial cold water disease resistance in rainbow trout1,2. Journal of Animal Science, 2010, 88, 1936-1946.	0.2	114
17	Accurate genomic predictions for BCWD resistance in rainbow trout are achieved using lowâ€density SNP panels: Evidence that longâ€range LD is a major contributing factor. Journal of Animal Breeding and Genetics, 2018, 135, 263-274.	0.8	105
18	Functional Annotation of All Salmonid Genomes (FAASG): an international initiative supporting future salmonid research, conservation and aquaculture. BMC Genomics, 2017, 18, 484.	1.2	99

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19	Sequence analysis of a rainbow trout cDNA library and creation of a gene index. Cytogenetic and Genome Research, 2003, 102, 347-354.	0.6	97
20	Identification, characterization and genetic mapping of TLR7, TLR8a1 and TLR8a2 genes in rainbow trout (Oncorhynchus mykiss). Developmental and Comparative Immunology, 2010, 34, 219-233.	1.0	95
21	Detection and Validation of QTL Affecting Bacterial Cold Water Disease Resistance in Rainbow Trout Using Restriction-Site Associated DNA Sequencing. PLoS ONE, 2015, 10, e0138435.	1.1	94
22	Molecular cloning, characterization and expression analysis of TLR9, MyD88 and TRAF6 genes in common carp (Cyprinus carpio). Fish and Shellfish Immunology, 2011, 30, 361-371.	1.6	93
23	SNP discovery and development of genetic markers for mapping innate immune response genes in common carp (Cyprinus carpio). Fish and Shellfish Immunology, 2010, 29, 356-361.	1.6	85
24	Family growth response to fishmeal and plant-based diets shows genotypeÃ—diet interaction in rainbow trout (Oncorhynchus mykiss). Aquaculture, 2008, 278, 37-42.	1.7	80
25	Similar Genetic Architecture with Shared and Unique Quantitative Trait Loci for Bacterial Cold Water Disease Resistance in Two Rainbow Trout Breeding Populations. Frontiers in Genetics, 2017, 8, 156.	1.1	80
26	Detection of QTL in Rainbow Trout Affecting Survival When Challenged with Flavobacterium psychrophilum. Marine Biotechnology, 2014, 16, 349-360.	1.1	79
27	Physical and genetic mapping of the rainbow trout major histocompatibility regions: evidence for duplication of the class I region. Immunogenetics, 2003, 55, 561-569.	1.2	77
28	Association between DNA polymorphisms tightly linked to MHC class II genes and IHN virus resistance in backcrosses of rainbow and cutthroat trout. Aquaculture, 2001, 194, 283-289.	1.7	75
29	Whole-body transcriptome of selectively bred, resistant-, control-, and susceptible-line rainbow trout following experimental challenge with Flavobacterium psychrophilum. Frontiers in Genetics, 2014, 5, 453.	1.1	74
30	Assessment of Genetic Correlation between Bacterial Cold Water Disease Resistance and Spleen Index in a Domesticated Population of Rainbow Trout: Identification of QTL on Chromosome Omy19. PLoS ONE, 2013, 8, e75749.	1.1	68
31	Characterization of a new BAC library for rainbow trout: evidence for multi-locus duplication. Animal Genetics, 2004, 35, 130-133.	0.6	66
32	A resource of singleâ€nucleotide polymorphisms for rainbow trout generated by restrictionâ€site associated <scp>DNA</scp> sequencing of doubled haploids. Molecular Ecology Resources, 2014, 14, 588-596.	2.2	64
33	Evaluation of family growth response to fishmeal and gluten-based diets in rainbow trout (Oncorhynchus mykiss). Aquaculture, 2006, 255, 548-556.	1.7	62
34	Identification of single nucleotide polymorphism markers associated with bacterial cold water disease resistance and spleen size in rainbow trout. Frontiers in Genetics, 2015, 6, 298.	1.1	62
35	Association between IL-10a single nucleotide polymorphisms and resistance to cyprinid herpesvirus-3 infection in common carp (Cyprinus carpio). Aquaculture, 2011, 315, 417-421.	1.7	58
36	Transcriptome profiling in fast versus slow-growing rainbow trout across seasonal gradients. BMC Genomics, 2016, 17, 60.	1.2	57

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37	A New Single Nucleotide Polymorphism Database for Rainbow Trout Generated Through Whole Genome Resequencing. Frontiers in Genetics, 2018, 9, 147.	1.1	55
38	Comparative mapping of expressed sequence tags containing microsatellites in rainbow trout (Oncorhynchus mykiss). BMC Genomics, 2005, 6, 54.	1.2	54
39	Identification, characterization and genetic mapping of TLR1 loci in rainbow trout (Oncorhynchus) Tj ETQq1 1 0.784314 rgBT /Overlock	1.6	54
40	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. Genetics Selection Evolution, 2019, 51, 47.	1.2	53
41	Differential expression of long non-coding RNAs in three genetic lines of rainbow trout in response to infection with Flavobacterium psychrophilum. Scientific Reports, 2016, 6, 36032.	1.6	52
42	A first generation integrated map of the rainbow trout genome. BMC Genomics, 2011, 12, 180.	1.2	51
43	Identification of candidate DNA markers associated with IHN virus resistance in backcrosses of rainbow (Oncorhynchus mykiss) and cutthroat trout (O. clarki). Aquaculture, 1999, 173, 81-94.	1.7	50
44	Suggestive Association of Major Histocompatibility IB Genetic Markers with Resistance to Bacterial Cold Water Disease in Rainbow Trout (Oncorhynchus mykiss). Marine Biotechnology, 2008, 10, 429-437.	1.1	48
45	A Second Generation Integrated Map of the Rainbow Trout (Oncorhynchus mykiss) Genome: Analysis of Conserved Synteny with Model Fish Genomes. Marine Biotechnology, 2012, 14, 343-357.	1.1	45
46	Association Between Loci With Deleterious Alleles and Distorted Sex Ratios in an Inbred Line of Tilapia (Oreochromis aureus). , 2002, 93, 270-276.		43
47	Development and validation of a SNP panel for parentage assignment in rainbow trout. Aquaculture, 2016, 452, 178-182.	1.7	43
48	A first generation BAC-based physical map of the rainbow trout genome. BMC Genomics, 2009, 10, 462.	1.2	41
49	A long reads-based de-novo assembly of the genome of the Arlee homozygous line reveals chromosomal rearrangements in rainbow trout. G3: Genes, Genomes, Genetics, 2021, 11, .	0.8	40
50	Genome-Wide Association Analysis With a 50K Transcribed Gene SNP-Chip Identifies QTL Affecting Muscle Yield in Rainbow Trout. Frontiers in Genetics, 2018, 9, 387.	1.1	39
51	Whole-genome mapping of quantitative trait loci and accuracy of genomic predictions for resistance to columnaris disease in two rainbow trout breeding populations. Genetics Selection Evolution, 2019, 51, 42.	1.2	39
52	Detection of genes with deleterious alleles in an inbred line of tilapia (Oreochromis aureus). Aquaculture, 2002, 206, 151-164.	1.7	38
53	Identification of Single-Nucleotide Polymorphism Markers Associated with Cortisol Response to Crowding in Rainbow Trout. Marine Biotechnology, 2015, 17, 328-337.	1.1	35
54	Characterization of 38 polymorphic microsatellite markers for rainbow trout (Oncorhynchus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62 T	1.7	34

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55	Identification and regulatory analysis of rainbow trout tapasin and tapasin-related genes. Immunogenetics, 2006, 58, 56-69.	1.2	33
56	Validation of linked QTL for bacterial cold water disease resistance and spleen size on rainbow trout chromosome Omy19. Aquaculture, 2014, 432, 139-143.	1.7	33
57	Identification of SNPs associated with muscle yield and quality traits using allelic-imbalance analyses of pooled RNA-Seq samples in rainbow trout. BMC Genomics, 2017, 18, 582.	1.2	32
58	RNA-seq Analysis of Early Hepatic Response to Handling and Confinement Stress in Rainbow Trout. PLoS ONE, 2014, 9, e88492.	1.1	32
59	QTL affecting stress response to crowding in a rainbow trout broodstock population. BMC Genetics, 2012, 13, 97.	2.7	31
60	Genomic structure and expression of uncoupling protein 2 genes in rainbow trout (Oncorhynchus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.2	30
61	Three generations of selective breeding improved rainbow trout (Oncorhynchus mykiss) disease resistance against natural challenge with Flavobacterium psychrophilum during early life-stage rearing. Aquaculture, 2018, 497, 414-421.	1.7	30
62	Development and evaluation of a new microsatellite multiplex system for parental allocation and management of rainbow trout (Oncorhynchus mykiss) broodstocks. Aquaculture, 2007, 266, 53-62.	1.7	29
63	Retrospective Evaluation of Marker-Assisted Selection for Resistance to Bacterial Cold Water Disease in Three Generations of a Commercial Rainbow Trout Breeding Population. Frontiers in Genetics, 2018, 9, 286.	1.1	29
64	Improved Efficiency of Heat and Pressure Shocks for Producing Gynogenetic Rainbow Trout. Progressive Fish-Culturist, 1997, 59, 1-13.	0.6	26
65	Phylogeny and Strain Typing of Escherichiacoli , Inferred from Variation at Mononucleotide RepeatLoci. Applied and Environmental Microbiology, 2004, 70, 2464-2473.	1.4	25
66	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
67	Development of Ninety-Seven Polymorphic Microsatellite Markers for Rainbow Trout. Transactions of the American Fisheries Society, 2003, 132, 1214-1221.	0.6	22
68	Characterization of twenty-four microsatellite markers for rainbow trout (Oncorhynchus mykiss). Molecular Ecology Notes, 2003, 3, 619-622.	1.7	21
69	Mapping of Toll-like receptor genes in rainbow trout. Animal Genetics, 2006, 37, 597-598.	0.6	21
70	Evidence of major genes affecting resistance to bacterial cold water disease in rainbow trout using Bayesian methods of segregation analysis1. Journal of Animal Science, 2010, 88, 3814-3832.	0.2	21
71	Evolutionary history of the ABCB2 genomic region in teleosts. Developmental and Comparative Immunology, 2007, 31, 483-498.	1.0	15
72	The accuracy of genomic predictions for bacterial cold water disease resistance remains higher than the pedigree-based model one generation after model training in a commercial rainbow trout breeding population. Aquaculture, 2021, 545, 737164.	1.7	15

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73	Characterization and mapping of 19 polymorphic microsatellite markers for rainbow trout (Oncorhynchus mykiss). Animal Genetics, 2003, 34, 153-156.	0.6	14
74	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. Frontiers in Veterinary Science, 2020, 7, 590048.	0.9	14
75	Single nucleotide polymorphism identification, genetic mapping and tissue expression of the rainbow trout TLR9 gene. Animal Genetics, 2009, 40, 1001-1001.	0.6	13
76	Quantitative Trait Loci Affecting Response to Crowding Stress in an F2 Generation of Rainbow Trout Produced Through Phenotypic Selection. Marine Biotechnology, 2013, 15, 613-627.	1.1	13
77	Variance and covariance estimates for resistance to bacterial cold water disease and columnaris disease in two rainbow trout breeding populations1. Journal of Animal Science, 2019, 97, 1124-1132.	0.2	12
78	A Polymerase Chain Reaction Screening Method for Rapid Detection of Microsatellites in Bacterial Artificial Chromosomes. Marine Biotechnology, 2006, 8, 346-350.	1.1	11
79	Towards the definition of pathogenic microbe. International Journal of Food Microbiology, 2006, 112, 236-243.	2.1	11
80	Assessment of genetic differentiation and genetic assignment of commercial rainbow trout strains using a SNP panel. Aquaculture, 2017, 468, 120-125.	1.7	11
81	Identification of High-Confidence Structural Variants in Domesticated Rainbow Trout Using Whole-Genome Sequencing. Frontiers in Genetics, 2021, 12, 639355.	1.1	11
82	Genomic characterization of a novel pair ofIDgenes in the rainbow trout (Oncorhynchus mykiss). Animal Genetics, 2004, 35, 317-320.	0.6	10
83	Sequence of the canine major histocompatibility complex region containing non-classical class I genes. Tissue Antigens, 2005, 65, 549-555.	1.0	10
84	Amplified Intergenic Locus Polymorphism as a Basis for Bacterial Typing of Listeria spp. and Escherichia coli. Applied and Environmental Microbiology, 2005, 71, 3144-3152.	1.4	9
85	Rapid discovery of SNPs that differentiate hatchery steelhead trout from ESA-listed natural-origin steelhead trout using a 57K SNP array. Canadian Journal of Fisheries and Aquatic Sciences, 2018, 75, 1160-1168.	0.7	8
86	A New Single Nucleotide Polymorphism Database for North American Atlantic Salmon Generated Through Whole Genome Resequencing. Frontiers in Genetics, 2020, 11, 85.	1.1	8
87	Structure and regulation of the NK-lysin (1â€“4) and NK-lysin like (a and b) antimicrobial genes in rainbow trout (Oncorhynchus mykiss). Developmental and Comparative Immunology, 2021, 116, 103961.	1.0	8
88	A deleterious effect associated with UNH159 is attenuated in twin embryos of an inbred line of blue tilapia Oreochromis aureus. Journal of Fish Biology, 2013, 82, 42-53.	0.7	7
89	Genomic analysis of a second rainbow trout line (Arlee) leads to an extended description of the IGH VDJ gene repertoire. Developmental and Comparative Immunology, 2021, 118, 103998.	1.0	7
90	Mapping of genes in a region associated with upper temperature tolerance in rainbow trout. Animal Genetics, 2006, 37, 598-599.	0.6	5

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91	Microarray analysis of differential utilization of plant-based diets by rainbow trout. Aquaculture International, 2012, 20, 213-232.	1.1	5
92	Phenotypic and Genetic Variation in Two North American Arctic Charr, Salvelinus alpinus, Stocks Cultured in a Recirculating Aquaculture System. Journal of the World Aquaculture Society, 2013, 44, 473-485.	1.2	5
93	Development of a High-Density 665 K SNP Array for Rainbow Trout Genome-Wide Genotyping. Frontiers in Genetics, 0, 13, .	1.1	5
94	Assessment of genetic variability among strains of rainbow and cutthroat trout using multilocus DNA fingerprints. Aquaculture, 1997, 149, 47-56.	1.7	4
95	A microsatellite locus has more than one copy in the genome of two tilapia species (Oreochromis) Tj ETQq1 1 0.784314 rgBT /Overlock	0.6	4
96	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
97	Genome-wide mapping of quantitative trait loci that can be used in marker-assisted selection for resistance to bacterial cold water disease in two commercial rainbow trout breeding populations. Aquaculture, 2022, 560, 738574.	1.7	4
98	Selective breeding and genetic mapping of disease resistance in rainbow trout. Aquaculture, 2007, 272, S298.	1.7	1
99	209 Prospecting genomic regions associated with columnaris disease in two rainbow trout breeding populations. Journal of Animal Science, 2017, 95, 103-104.	0.2	0