

Ben F Koop

List of Publications by Year in descending order

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244
papers

17,346
citations

15466

65
h-index

18075

120
g-index

270
all docs

270
docs citations

270
times ranked

16106
citing authors

#	ARTICLE	IF	CITATIONS
1	Mutations in ABC1 in Tangier disease and familial high-density lipoprotein deficiency. <i>Nature Genetics</i> , 1999, 22, 336-345.	9.4	1,609
2	The Atlantic salmon genome provides insights into rediploidization. <i>Nature</i> , 2016, 533, 200-205.	13.7	1,021
3	Identification of Sonic hedgehog as a candidate gene responsible for holoprosencephaly. <i>Nature Genetics</i> , 1996, 14, 353-356.	9.4	621
4	Loss-of-function mutations in a calcium-channel β 1-subunit gene in Xp11.23 cause incomplete X-linked congenital stationary night blindness. <i>Nature Genetics</i> , 1998, 19, 264-267.	9.4	474
5	The Complete 685-Kilobase DNA Sequence of the Human beta T Cell Receptor Locus. <i>Science</i> , 1996, 272, 1755-1762.	6.0	429
6	Embryonic β and β globin genes of a prosimian primate (<i>Galago crassicaudatus</i>). <i>Journal of Molecular Biology</i> , 1988, 203, 439-455.	2.0	353
7	Large-scale and automated DNA sequence determination. <i>Science</i> , 1991, 254, 59-67.	6.0	343
8	Mutations in NYX, encoding the leucine-rich proteoglycan nyctalopin, cause X-linked complete congenital stationary night blindness. <i>Nature Genetics</i> , 2000, 26, 319-323.	9.4	309
9	Mutations of the Forkhead/Winged-Helix Gene, FKHL7, in Patients with Axenfeld-Rieger Anomaly. <i>American Journal of Human Genetics</i> , 1998, 63, 1316-1328.	2.6	298
10	Cell death attenuation by 'Usurpin', a mammalian DED-caspase homologue that precludes caspase-8 recruitment and activation by the CD-95 (Fas, APO-1) receptor complex. <i>Cell Death and Differentiation</i> , 1998, 5, 271-288.	5.0	293
11	Development and Application of a Salmonid EST Database and cDNA Microarray: Data Mining and Interspecific Hybridization Characteristics. <i>Genome Research</i> , 2004, 14, 478-490.	2.4	279
12	Sequencing the genome of the Atlantic salmon (<i>Salmo salar</i>). <i>Genome Biology</i> , 2010, 11, 403.	3.8	250
13	Primate β -globin DNA sequences and man's place among the great apes. <i>Nature</i> , 1986, 319, 234-238.	13.7	233
14	DNA sequence determination by hybridization: a strategy for efficient large-scale sequencing. <i>Science</i> , 1993, 260, 1649-1652.	6.0	227
15	Sex-dependent dominance maintains migration supergene in rainbow trout. <i>Nature Ecology and Evolution</i> , 2019, 3, 1731-1742.	3.4	188
16	Human Chromosome 7: DNA Sequence and Biology. <i>Science</i> , 2003, 300, 767-772.	6.0	185
17	Determinants of DNA Sequence Specificity of the Androgen, Progesterone, and Glucocorticoid Receptors: Evidence for Differential Steroid Receptor Response Elements. <i>Molecular Endocrinology</i> , 1999, 13, 2090-2107.	3.7	181
18	Fish and chips: Various methodologies demonstrate utility of a 16,006-gene salmonid microarray. <i>BMC Genomics</i> , 2005, 6, 126.	1.2	178

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19	The Human T-Cell Receptor TCRAC/TCRDC (C α /C δ ;) Region: Organization, Sequence, and Evolution of 97.6 kb of DNA. <i>Genomics</i> , 1994, 19, 478-493.	1.3	171
20	Early response of gene expression in the distal intestine of Atlantic salmon (<i>Salmo salar</i> L.) during the development of soybean meal induced enteritis. <i>Fish and Shellfish Immunology</i> , 2013, 34, 599-609.	1.6	171
21	Parallel epigenetic modifications induced by hatchery rearing in a Pacific salmon. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 12964-12969.	3.3	170
22	Comparative Genomics of the Human and Mouse T Cell Receptor Loci. <i>Immunity</i> , 2001, 15, 337-349.	6.6	163
23	Microarray analyses identify molecular biomarkers of Atlantic salmon macrophage and hematopoietic kidney response to <i>Piscirickettsia salmonis</i> infection. <i>Physiological Genomics</i> , 2004, 20, 21-35.	1.0	163
24	<i>Salmo salar</i> and <i>Esox lucius</i> full-length cDNA sequences reveal changes in evolutionary pressures on a post-tetraploidization genome. <i>BMC Genomics</i> , 2010, 11, 279.	1.2	163
25	Striking sequence similarity over almost 100 kilobases of human and mouse T α cell receptor DNA. <i>Nature Genetics</i> , 1994, 7, 48-53.	9.4	160
26	A linkage map of the Atlantic salmon (<i>Salmo salar</i>) based on EST-derived SNP markers. <i>BMC Genomics</i> , 2008, 9, 223.	1.2	150
27	The β -globin gene. <i>Journal of Molecular Biology</i> , 1984, 180, 803-823.	2.0	145
28	A salmonid EST genomic study: genes, duplications, phylogeny and microarrays. <i>BMC Genomics</i> , 2008, 9, 545.	1.2	145
29	Organization, structure, and function of 95 kb of DNA spanning the murine T-cell receptor C α C δ region. <i>Genomics</i> , 1992, 13, 1209-1230.	1.3	139
30	Primate evolution at the DNA level and a classification of hominoids. <i>Journal of Molecular Evolution</i> , 1990, 30, 260-266.	0.8	129
31	Bursts and horizontal evolution of DNA transposons in the speciation of pseudotetraploid salmonids. <i>BMC Genomics</i> , 2007, 8, 422.	1.2	128
32	Molecular systematics of higher primates: genealogical relations and classification.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1988, 85, 7627-7631.	3.3	125
33	The Genome and Linkage Map of the Northern Pike (<i>Esox lucius</i>): Conserved Synteny Revealed between the Salmonid Sister Group and the Neoteleostei. <i>PLoS ONE</i> , 2014, 9, e102089.	1.1	122
34	Globins: A Case Study in Molecular Phylogeny. <i>Cold Spring Harbor Symposia on Quantitative Biology</i> , 1987, 52, 875-890.	2.0	116
35	A molecular view of primate phylogeny and important systematic and evolutionary questions.. <i>Molecular Biology and Evolution</i> , 1989, 6, 580-612.	3.5	115
36	An extensive resource of single nucleotide polymorphism markers associated with Atlantic salmon (<i>Salmo salar</i>) expressed sequences. <i>Aquaculture</i> , 2007, 265, 82-90.	1.7	110

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37	Identification of Genes from a 500-kb Region at 7q11.23 That Is Commonly Deleted in Williams Syndrome Patients. <i>Genomics</i> , 1996, 36, 328-336.	1.3	108
38	Distribution of ancestral proto-Actinopterygian chromosome arms within the genomes of 4R-derivative salmonid fishes (Rainbow trout and Atlantic salmon). <i>BMC Genomics</i> , 2008, 9, 557.	1.2	107
39	Comparative transcriptomics of Atlantic <i>Salmo salar</i> , chum <i>Oncorhynchus keta</i> and pink salmon <i>O. gorbuscha</i> during infections with salmon lice <i>Lepeophtheirus salmonis</i> . <i>BMC Genomics</i> , 2014, 15, 200.	1.2	107
40	Transcriptome profiling the gills of amoebic gill disease (AGD)-affected Atlantic salmon (<i>Salmo</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62	1.0	101
41	Genomics of sablefish (<i>Anoplopoma fimbria</i>): expressed genes, mitochondrial phylogeny, linkage map and identification of a putative sex gene. <i>BMC Genomics</i> , 2013, 14, 452.	1.2	99
42	Functional Annotation of All Salmonid Genomes (FAASG): an international initiative supporting future salmonid research, conservation and aquaculture. <i>BMC Genomics</i> , 2017, 18, 484.	1.2	99
43	Sequence analysis of a rainbow trout cDNA library and creation of a gene index. <i>Cytogenetic and Genome Research</i> , 2003, 102, 347-354.	0.6	97
44	A physical map of the genome of Atlantic salmon, <i>Salmo salar</i> . <i>Genomics</i> , 2005, 86, 396-404.	1.3	97
45	Assignment of Atlantic salmon (<i>Salmo salar</i>) linkage groups to specific chromosomes: Conservation of large syntenic blocks corresponding to whole chromosome arms in rainbow trout (<i>Oncorhynchus mykiss</i>). <i>BMC Genetics</i> , 2009, 10, 46.	2.7	96
46	A Comprehensive Survey of the Genes Involved in Maturation and Development of the Rainbow Trout Ovary1. <i>Biology of Reproduction</i> , 2005, 72, 687-699.	1.2	95
47	GO Trimming: Systematically reducing redundancy in large Gene Ontology datasets. <i>BMC Research Notes</i> , 2011, 4, 267.	0.6	86
48	Comprehensive analysis of MHC class II genes in teleost fish genomes reveals dispensability of the peptide-loading DM system in a large part of vertebrates. <i>BMC Evolutionary Biology</i> , 2013, 13, 260.	3.2	86
49	Chinook salmon (<i>Oncorhynchus tshawytscha</i>) genome and transcriptome. <i>PLoS ONE</i> , 2018, 13, e0195461.	1.1	85
50	Coordinated down-regulation of the antigen processing machinery in the gills of amoebic gill disease-affected Atlantic salmon (<i>Salmo salar</i> L.). <i>Molecular Immunology</i> , 2008, 45, 2581-2597.	1.0	83
51	The Arctic charr (<i>Salvelinus alpinus</i>) genome and transcriptome assembly. <i>PLoS ONE</i> , 2018, 13, e0204076.	1.1	83
52	Identification of genes associated with heat tolerance in Arctic charr exposed to acute thermal stress. <i>Physiological Genomics</i> , 2011, 43, 685-696.	1.0	82
53	A comprehensive analysis of teleost MHC class I sequences. <i>BMC Evolutionary Biology</i> , 2015, 15, 32.	3.2	81
54	Signatures of resistance to <i>Lepeophtheirus salmonis</i> include a TH2-type response at the louse-salmon interface. <i>Developmental and Comparative Immunology</i> , 2015, 48, 178-191.	1.0	80

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55	A highly redundant BAC library of Atlantic salmon (<i>Salmo salar</i>): an important tool for salmon projects. <i>BMC Genomics</i> , 2005, 6, 50.	1.2	79
56	NORTH AMERICAN BLACK BEAR <scp>mt</scp> DNA PHYLOGEOGRAPHY: IMPLICATIONS FOR MORPHOLOGY AND THE HAIDA GWAII GLACIAL REFUGIUM CONTROVERSY. <i>Evolution; International Journal of Organic Evolution</i> , 1997, 51, 1647-1653.	1.1	77
57	Molecular phylogeny of the family of apes and humans. <i>Genome</i> , 1989, 31, 316-335.	0.9	76
58	Recent segmental and gene duplications in the mouse genome. <i>Genome Biology</i> , 2003, 4, R47.	13.9	76
59	The Sex Determining Loci and Sex Chromosomes in the Family Salmonidae. <i>Sexual Development</i> , 2009, 3, 78-87.	1.1	76
60	Tarsius $\hat{\nu}$ - and $\hat{\nu}^2$ -globin genes: conversions, evolution, and systematic implications. <i>Journal of Biological Chemistry</i> , 1989, 264, 68-79.	1.6	76
61	Isolation and characterization of coho salmon (<i>Oncorhynchus kisutch</i>) microsatellites and their use in other salmonids. <i>Molecular Ecology</i> , 1998, 7, 1614-6.	2.0	76
62	Evolution of duplicated IgH loci in Atlantic salmon, <i>Salmo salar</i> . <i>BMC Genomics</i> , 2010, 11, 486.	1.2	75
63	Zonadhesin Is Essential for Species Specificity of Sperm Adhesion to the Egg Zona Pellucida. <i>Journal of Biological Chemistry</i> , 2010, 285, 24863-24870.	1.6	74
64	Parallelism in eco-morphology and gene expression despite variable evolutionary and genomic backgrounds in a Holarctic fish. <i>PLoS Genetics</i> , 2020, 16, e1008658.	1.5	73
65	Assessing the feasibility of GS FLX Pyrosequencing for sequencing the Atlantic salmon genome. <i>BMC Genomics</i> , 2008, 9, 404.	1.2	72
66	Multiple microarray platforms utilized for hepatic gene expression profiling of GH transgenic coho salmon with and without ration restriction. <i>Journal of Molecular Endocrinology</i> , 2006, 37, 259-282.	1.1	69
67	Toxicogenomic responses in rainbow trout (<i>Oncorhynchus mykiss</i>) hepatocytes exposed to model chemicals and a synthetic mixture. <i>Aquatic Toxicology</i> , 2007, 81, 293-303.	1.9	68
68	Human and rodent DNA sequence comparisons: a mosaic model of genomic evolution. <i>Trends in Genetics</i> , 1995, 11, 367-371.	2.9	66
69	Contaminant-associated disruption of vitamin A and its receptor (retinoic acid receptor $\hat{\nu}$) in free-ranging harbour seals (<i>Phoca vitulina</i>). <i>Aquatic Toxicology</i> , 2007, 81, 319-328.	1.9	65
70	Nucleotide sequence and evolution of the orangutan $\hat{\mu}$ globin gene region and surrounding Alu repeats. <i>Journal of Molecular Evolution</i> , 1986, 24, 94-102.	0.8	62
71	Glacial biogeography of North American coho salmon (<i>Oncorhynchus kisutch</i>). <i>Molecular Ecology</i> , 2001, 10, 2775-2785.	2.0	62
72	Genomic organization of duplicated major histocompatibility complex class I regions in Atlantic salmon (<i>Salmo salar</i>). <i>BMC Genomics</i> , 2007, 8, 251.	1.2	60

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73	Tarsius delta- and beta-globin genes: conversions, evolution, and systematic implications. <i>Journal of Biological Chemistry</i> , 1989, 264, 68-79.	1.6	59
74	Comparative regulomics supports pervasive selection on gene dosage following whole genome duplication. <i>Genome Biology</i> , 2021, 22, 103.	3.8	54
75	Nucleotide sequence analysis of 95 kb near the 3' end of the murine T-cell receptor β chain locus: Strategy and methodology. <i>Genomics</i> , 1992, 13, 1198-1208.	1.3	53
76	Striking antigen recognition diversity in the Atlantic salmon T-cell receptor β locus. <i>Developmental and Comparative Immunology</i> , 2008, 32, 204-212.	1.0	53
77	Orangutan fetal globin genes. Nucleotide sequence reveal multiple gene conversions during hominid phylogeny.. <i>Journal of Biological Chemistry</i> , 1987, 262, 7472-7483.	1.6	53
78	North American Black Bear mtDNA Phylogeography: Implications for Morphology and the Haida Gwaii Glacial Refugium Controversy. <i>Evolution; International Journal of Organic Evolution</i> , 1997, 51, 1647.	1.1	52
79	Evolutionary and developmental aspects of two hemoglobin beta-chain genes (epsilon M and beta M) of opossum.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1988, 85, 3893-3897.	3.3	50
80	EST and Mitochondrial DNA Sequences Support a Distinct Pacific Form of Salmon Louse, <i>Lepeophtheirus salmonis</i> . <i>Marine Biotechnology</i> , 2008, 10, 741-749.	1.1	50
81	Comprehensive analysis of MHC class I genes from the U-, S-, and Z-lineages in Atlantic salmon. <i>BMC Genomics</i> , 2010, 11, 154.	1.2	50
82	Comparative Genomics Identifies Candidate Genes for Infectious Salmon Anemia (ISA) Resistance in Atlantic Salmon (<i>Salmo salar</i>). <i>Marine Biotechnology</i> , 2011, 13, 232-241.	1.1	50
83	Chimpanzee fetal G gamma and A gamma globin gene nucleotide sequences provide further evidence of gene conversions in hominine evolution.. <i>Molecular Biology and Evolution</i> , 1985, 2, 370-89.	3.5	49
84	Partial 28S rDNA Sequences and the Antiquity of Hydrothermal Vent Endemic Gastropods. <i>Molecular Phylogenetics and Evolution</i> , 1999, 13, 255-274.	1.2	49
85	<i>ARS2</i> Is a Conserved Eukaryotic Gene Essential for Early Mammalian Development. <i>Molecular and Cellular Biology</i> , 2008, 28, 1503-1514.	1.1	49
86	High gene expression of inflammatory markers and IL-17A correlates with severity of injection site reactions of Atlantic salmon vaccinated with oil-adjuvanted vaccines. <i>BMC Genomics</i> , 2010, 11, 336.	1.2	49
87	Comparative analysis of the gene-dense ACHE/TFR2 region on human chromosome 7q22 with the orthologous region on mouse chromosome 5. <i>Nucleic Acids Research</i> , 2001, 29, 1352-1365.	6.5	48
88	The genomic sequence of the bovine T cell receptor gamma TRG loci and localization of the TRGC5 cassette. <i>Veterinary Immunology and Immunopathology</i> , 2007, 115, 346-356.	0.5	48
89	Permanent Genetic Resources added to Molecular Ecology Resources Database 1 August 2010 – 30 September 2010. <i>Molecular Ecology Resources</i> , 2011, 11, 219-222.	2.2	48
90	A 44K microarray dataset of the changing transcriptome in developing Atlantic salmon (<i>Salmo salar</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	8.6	48

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91	Identification of the sex-determining locus of Atlantic salmon (<i>Salmo salar</i>) on chromosome 2. <i>Cytogenetic and Genome Research</i> , 2006, 112, 152-159.	0.6	47
92	Comparative defense-associated responses in salmon skin elicited by the ectoparasite <i>Lepeophtheirus salmonis</i> . <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2012, 7, 100-109.	0.4	47
93	Cloning and Characterization of Three Novel Genes, ALS2CR1, ALS2CR2, and ALS2CR3, in the Juvenile Amyotrophic Lateral Sclerosis (ALS2) Critical Region at Chromosome 2q33-q34: Candidate Genes for ALS2. <i>Genomics</i> , 2001, 71, 200-213.	1.3	46
94	Functional adaptive diversity of the Atlantic salmon T-cell receptor gamma locus. <i>Molecular Immunology</i> , 2008, 45, 2150-2157.	1.0	46
95	Expression of olfactory receptors in different life stages and life histories of wild Atlantic salmon (<i>Salmo salar</i>). <i>Molecular Ecology</i> , 2011, 20, 4059-4069.	2.0	46
96	Determinants of DNA Sequence Specificity of the Androgen, Progesterone, and Glucocorticoid Receptors: Evidence for Differential Steroid Receptor Response Elements. , 0, .		45
97	Transcriptional responses in a <i>Drosophila</i> defensive symbiosis. <i>Molecular Ecology</i> , 2014, 23, 1558-1570.	2.0	44
98	A 39-kb Sequence Around a Blackbird Mhc Class II Gene: Ghost of Selection Past and Songbird Genome Architecture. <i>Molecular Biology and Evolution</i> , 2000, 17, 1384-1395.	3.5	43
99	Geographic Variation of Multiple Paternity in the Common Garter Snake (<i>Thamnophis sirtalis</i>). <i>Copeia</i> , 2002, 2002, 15-23.	1.4	43
100	Sequence length and error analysis of Sequenase and automated Taq cycle sequencing methods. <i>BioTechniques</i> , 1993, 14, 442-7.	0.8	43
101	ERCC1: A comparative genomic perspective. <i>Environmental and Molecular Mutagenesis</i> , 2001, 38, 209-215.	0.9	42
102	Risk-based analysis of polychlorinated biphenyl toxicity in harbor seals. <i>Integrated Environmental Assessment and Management</i> , 2010, 6, 631-640.	1.6	42
103	Nucleotide Sequence Analysis of 77.7 kb of the Human α T-Cell Receptor Gene Locus: Direct Primer-Walking Using Cosmid Template DNAs. <i>Genomics</i> , 1994, 20, 149-168.	1.3	41
104	Ribosomal genes and heat shock proteins as putative markers for chronic, sublethal heat stress in Arctic charr: applications for aquaculture and wild fish. <i>Physiological Genomics</i> , 2011, 43, 1056-1064.	1.0	41
105	Atlantic salmon possesses two clusters of type I interferon receptor genes on different chromosomes, which allows for a larger repertoire of interferon receptors than in zebrafish and mammals. <i>Developmental and Comparative Immunology</i> , 2014, 47, 275-286.	1.0	41
106	Whole Genome Linkage Disequilibrium and Effective Population Size in a Coho Salmon (<i>Oncorhynchus tshawytscha</i>) Overlock 10	1.1	41
107	Identification of the Sex Chromosomes of Brown Trout (<i>Salmo trutta</i>) and Their Comparison with the Corresponding Chromosomes in Atlantic Salmon (<i>Salmo salar</i>) and Rainbow Trout (<i>Oncorhynchus mykiss</i>). <i>Cytogenetic and Genome Research</i> , 2011, 133, 25-33.	0.6	40
108	Resolving Systematic Relationships with G-Bands: A Study of Five Genera of South American Cricetine Rodents. <i>Systematic Zoology</i> , 1983, 32, 403.	1.6	39

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109	Genomic Resources for Sea Lice: Analysis of ESTs and Mitochondrial Genomes. <i>Marine Biotechnology</i> , 2012, 14, 155-166.	1.1	39
110	Sequence Analysis and Organization of the <i>Neodiprion abietis</i> Nucleopolyhedrovirus Genome. <i>Journal of Virology</i> , 2006, 80, 6952-6963.	1.5	38
111	Demographic history shaped geographical patterns of deleterious mutation load in a broadly distributed Pacific Salmon. <i>PLoS Genetics</i> , 2020, 16, e1008348.	1.5	38
112	Isolation of a Ubiquitin-like (UBL5) Gene from a Screen Identifying Highly Expressed and Conserved Iris Genes. <i>Genomics</i> , 2001, 71, 252-255.	1.3	37
113	Expansion of the genomics research on Atlantic salmon <i>Salmo salar</i> L. project (GRASP) microarray tools. <i>Journal of Fish Biology</i> , 2008, 72, 2051-2070.	0.7	37
114	Identification of Surrogates of Protection against Yersiniosis in Immersion Vaccinated Atlantic Salmon. <i>PLoS ONE</i> , 2012, 7, e40841.	1.1	37
115	Chemokine receptors in Atlantic salmon. <i>Developmental and Comparative Immunology</i> , 2015, 49, 79-95.	1.0	37
116	Rett Syndrome: Investigation of Nine Patients, including PET Scan. <i>Canadian Journal of Neurological Sciences</i> , 2002, 29, 345-357.	0.3	36
117	Genomic evidence of past and future climate-linked loss in a migratory Arctic fish. <i>Nature Climate Change</i> , 2021, 11, 158-165.	8.1	36
118	Population genetic structure of the parasitic copepod <i>Lepeophtheirus salmonis</i> throughout the Atlantic. <i>Marine Ecology - Progress Series</i> , 2011, 427, 161-172.	0.9	36
119	Human and Mouse T-Cell Receptor Loci: Genomics, Evolution, Diversity, and Serendipity. <i>Annals of the New York Academy of Sciences</i> , 1995, 758, 390-412.	1.8	35
120	Evolution of duplicated growth hormone genes in autotetraploid salmonid fishes. <i>Genome</i> , 2004, 47, 714-723.	0.9	35
121	Transcriptomic responses to emamectin benzoate in Pacific and Atlantic Canadian salmon lice <i>Lepeophtheirus salmonis</i> with differing levels of drug resistance. <i>Evolutionary Applications</i> , 2015, 8, 133-148.	1.5	35
122	Orangutan fetal globin genes. Nucleotide sequence reveal multiple gene conversions during hominid phylogeny. <i>Journal of Biological Chemistry</i> , 1987, 262, 7472-83.	1.6	34
123	Identification of olfactory receptor genes in Atlantic salmon <i>Salmo salar</i> . <i>Journal of Fish Biology</i> , 2012, 81, 559-575.	0.7	33
124	Divergent immunity and energetic programs in the gills of migratory and resident <i>Oncorhynchus mykiss</i> . <i>Molecular Ecology</i> , 2014, 23, 1952-1964.	2.0	33
125	Cladistical analysis of primitive G-band sequences for the karyotype of the ancestor of the Cricetidae complex of rodents. <i>Genetica</i> , 1984, 64, 199-208.	0.5	32
126	Differentiating size-dependent responses of juvenile pink salmon (<i>Oncorhynchus gorbusha</i>) to sea lice (<i>Lepeophtheirus salmonis</i>) infections. <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2011, 6, 213-223.	0.4	32

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127	Transcriptomics of coping strategies in free-swimming <i>Lepeophtheirus salmonis</i> (Copepoda) larvae responding to abiotic stress. <i>Molecular Ecology</i> , 2012, 21, 6000-6014.	2.0	32
128	Infectious hematopoietic necrosis virus (IHNV) persistence in Sockeye Salmon: influence on brain transcriptome and subsequent response to the viral mimic poly(I:C). <i>BMC Genomics</i> , 2015, 16, 634.	1.2	32
129	Cypermethrin exposure induces metabolic and stress-related gene expression in copepodid salmon lice (<i>Lepeophtheirus salmonis</i>). <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2016, 20, 74-84.	0.4	32
130	Resolving fine-scale population structure and fishery exploitation using sequenced microsatellites in a northern fish. <i>Evolutionary Applications</i> , 2020, 13, 1055-1068.	1.5	32
131	Comparative genomic sequence analysis of the Williams syndrome region (LIMK1-RFC2) of human Chromosome 7q11.23. <i>Mammalian Genome</i> , 2000, 11, 890-898.	1.0	31
132	Expression of morphogenic genes in mature ovarian and testicular tissues: Potential stem-cell niche markers and patterning factors. <i>Molecular Reproduction and Development</i> , 2006, 73, 142-152.	1.0	31
133	Carotenoid pigmentation in salmon: variation in expression at <i>BCO2-1</i> locus controls a key fitness trait affecting red coloration. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2019, 286, 20191588.	1.2	31
134	Easy detection of all T cell receptor gamma (TCRG) gene rearrangements by Southern blot analysis: recommendations for optimal results. <i>Leukemia</i> , 1999, 13, 1620-1626.	3.3	29
135	Population genetic analysis of white sturgeon (<i>Acipenser transmontanus</i>) in the Fraser River. <i>Journal of Applied Ichthyology</i> , 2002, 18, 307-312.	0.3	29
136	Grayling (<i>Thymallinae</i>) phylogeny within salmonids: complete mitochondrial DNA sequences of <i>Thymallus arcticus</i> and <i>Thymallus thymallus</i> . <i>Journal of Fish Biology</i> , 2010, 76, 395-400.	0.7	29
137	Assessment of population structure in Pacific <i>Lepeophtheirus salmonis</i> (Kr�yer) using single nucleotide polymorphism and microsatellite genetic markers. <i>Aquaculture</i> , 2011, 320, 183-192.	1.7	29
138	Regulation and expression of sexual differentiation factors in embryonic and extragonadal tissues of Atlantic salmon. <i>BMC Genomics</i> , 2011, 12, 31.	1.2	28
139	A PCR assay detects a male-specific duplicated copy of Anti-M�llerian hormone (amh) in the lingcod (<i>Ophiodon elongatus</i>). <i>BMC Research Notes</i> , 2016, 9, 230.	0.6	28
140	Numerous chromosomal polymorphisms in a natural population of rice rats (<i>Oryzomys</i>, Cricetidae). <i>Cytogenetic and Genome Research</i> , 1983, 35, 131-135.	0.6	27
141	Identification of a novel lipase gene mutated in <i>lpd</i> mice with hypertriglyceridemia and associated with dyslipidemia in humans. <i>Human Molecular Genetics</i> , 2003, 12, 1131-1143.	1.4	27
142	Comparative analysis of the paired immunoglobulin-like receptor (PILR) locus in six mammalian genomes: duplication, conversion, and the birth of new genes. <i>Physiological Genomics</i> , 2006, 27, 201-218.	1.0	27
143	Isolation, characterization and comparison of Atlantic and Chinook salmon growth hormone 1 and 2. <i>BMC Genomics</i> , 2008, 9, 522.	1.2	27
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