

Craig R Primmer

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197
papers

9,871
citations

55
h-index

93
g-index

221
ext. papers

11,294
ext. citations

5.7
avg, IF

6.15
L-index

| # | Paper | IF | Citations |
|-----|--|------|-----------|
| 197 | Efficiency of model-based Bayesian methods for detecting hybrid individuals under different hybridization scenarios and with different numbers of loci. <i>Molecular Ecology</i> , 2006 , 15, 63-72 | 5.7 | 644 |
| 196 | Genomics and the challenging translation into conservation practice. <i>Trends in Ecology and Evolution</i> , 2015 , 30, 78-87 | 10.9 | 335 |
| 195 | Sex-dependent dominance at a single locus maintains variation in age at maturity in salmon. <i>Nature</i> , 2015 , 528, 405-8 | 50.4 | 330 |
| 194 | Microsatellite 'evolution': directionality or bias?. <i>Nature Genetics</i> , 1995 , 11, 360-2 | 36.3 | 319 |
| 193 | Single-nucleotide polymorphism characterization in species with limited available sequence information: high nucleotide diversity revealed in the avian genome. <i>Molecular Ecology</i> , 2002 , 11, 603-12 | 5.7 | 253 |
| 192 | A wide-range survey of cross-species microsatellite amplification in birds. <i>Molecular Ecology</i> , 1996 , 5, 365-78 | 5.7 | 245 |
| 191 | Challenges for identifying functionally important genetic variation: the promise of combining complementary research strategies. <i>Molecular Ecology</i> , 2005 , 14, 3623-42 | 5.7 | 237 |
| 190 | Contemporary fisherian life-history evolution in small salmonid populations. <i>Nature</i> , 2002 , 419, 826-30 | 50.4 | 235 |
| 189 | Expressed sequence tag-linked microsatellites as a source of gene-associated polymorphisms for detecting signatures of divergent selection in atlantic salmon (<i>Salmo salar</i> L.). <i>Molecular Biology and Evolution</i> , 2005 , 22, 1067-76 | 8.3 | 232 |
| 188 | Life-history and habitat features influence the within-river genetic structure of Atlantic salmon. <i>Molecular Ecology</i> , 2007 , 16, 2638-54 | 5.7 | 221 |
| 187 | Resolving genetic relationships with microsatellite markers: a parentage testing system for the swallow <i>Hirundo rustica</i> . <i>Molecular Ecology</i> , 1995 , 4, 493-8 | 5.7 | 206 |
| 186 | Low frequency of microsatellites in the avian genome. <i>Genome Research</i> , 1997 , 7, 471-82 | 9.7 | 205 |
| 185 | Fitness loss and germline mutations in barn swallows breeding in Chernobyl. <i>Nature</i> , 1997 , 389, 593-6 | 50.4 | 195 |
| 184 | SNP-array reveals genome-wide patterns of geographical and potential adaptive divergence across the natural range of Atlantic salmon (<i>Salmo salar</i>). <i>Molecular Ecology</i> , 2013 , 22, 532-51 | 5.7 | 170 |
| 183 | Directional evolution in germline microsatellite mutations. <i>Nature Genetics</i> , 1996 , 13, 391-3 | 36.3 | 170 |
| 182 | Sex chromosome evolution and speciation in <i>Ficedula</i> flycatchers. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2003 , 270, 53-9 | 4.4 | 166 |
| 181 | Latitudinal divergence of common frog (<i>Rana temporaria</i>) life history traits by natural selection: evidence from a comparison of molecular and quantitative genetic data. <i>Molecular Ecology</i> , 2003 , 12, 1963-78 | 5.7 | 165 |

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|-----|--|------|-----|
| 180 | Harnessing the Power of Genomics to Secure the Future of Seafood. <i>Trends in Ecology and Evolution</i> , 2017 , 32, 665-680 | 10.9 | 123 |
| 179 | Matrilinear phylogeography of Atlantic salmon (<i>Salmo salar</i> L.) in Europe and postglacial colonization of the Baltic Sea area. <i>Molecular Ecology</i> , 2001 , 10, 89-102 | 5.7 | 122 |
| 178 | Does habitat fragmentation reduce fitness and adaptability? A case study of the common frog (<i>Rana temporaria</i>). <i>Molecular Ecology</i> , 2007 , 16, 2693-700 | 5.7 | 111 |
| 177 | The evolutionary legacy of size-selective harvesting extends from genes to populations. <i>Evolutionary Applications</i> , 2015 , 8, 597-620 | 4.8 | 104 |
| 176 | Molecular evolution of the metazoan PHD-HIF oxygen-sensing system. <i>Molecular Biology and Evolution</i> , 2011 , 28, 1913-26 | 8.3 | 102 |
| 175 | Isolation by distance within a river system: genetic population structuring of Atlantic salmon, <i>Salmo salar</i> , in tributaries of the Varzuga River in northwest Russia. <i>Molecular Ecology</i> , 2006 , 15, 653-66 | 5.7 | 101 |
| 174 | High degree of population subdivision in a widespread amphibian. <i>Molecular Ecology</i> , 2004 , 13, 2631-44 | 5.7 | 100 |
| 173 | Factors affecting avian cross-species microsatellite amplification. <i>Journal of Avian Biology</i> , 2005 , 36, 348-360 | 3.6 | 92 |
| 172 | Bringing genetic diversity to the forefront of conservation policy and management. <i>Conservation Genetics Resources</i> , 2013 , 5, 593-598 | 0.8 | 91 |
| 171 | Speciation, introgressive hybridization and nonlinear rate of molecular evolution in flycatchers. <i>Molecular Ecology</i> , 2001 , 10, 737-49 | 5.7 | 89 |
| 170 | Patterns of molecular evolution in avian microsatellites. <i>Molecular Biology and Evolution</i> , 1998 , 15, 997-1008 | 10.8 | 89 |
| 169 | Genome-wide SNP analysis reveals a genetic basis for sea-age variation in a wild population of Atlantic salmon (<i>Salmo salar</i>). <i>Molecular Ecology</i> , 2014 , 23, 3452-68 | 5.7 | 88 |
| 168 | Geographic patterns of genetic differentiation and plumage colour variation are different in the pied flycatcher (<i>Ficedula hypoleuca</i>). <i>Molecular Ecology</i> , 2009 , 18, 4463-76 | 5.7 | 84 |
| 167 | From conservation genetics to conservation genomics. <i>Annals of the New York Academy of Sciences</i> , 2009 , 1162, 357-68 | 6.5 | 83 |
| 166 | Genetic lineages and postglacial colonization of grayling (<i>Thymallus thymallus</i> , Salmonidae) in Europe, as revealed by mitochondrial DNA analyses. <i>Molecular Ecology</i> , 2000 , 9, 1609-24 | 5.7 | 82 |
| 165 | Microsatellite data resolve phylogeographic patterns in European grayling, <i>Thymallus thymallus</i> , Salmonidae. <i>Heredity</i> , 2002 , 88, 391-401 | 3.6 | 79 |
| 164 | A gene-based genetic linkage map of the collared flycatcher (<i>Ficedula albicollis</i>) reveals extensive synteny and gene-order conservation during 100 million years of avian evolution. <i>Genetics</i> , 2008 , 179, 1479-95 | 4 | 75 |
| 163 | The influence of landscape structure on occurrence, abundance and genetic diversity of the common frog, <i>Rana temporaria</i> . <i>Global Change Biology</i> , 2005 , 11, 1664-1679 | 11.4 | 75 |

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|-----|---|------|----|
| 162 | The benefits of increasing the number of microsatellites utilized in genetic population studies: an empirical perspective. <i>Hereditas</i> , 2004 , 141, 61-7 | 2.4 | 74 |
| 161 | Female-biased expression on the X chromosome as a key step in sex chromosome evolution in threespine sticklebacks. <i>Molecular Biology and Evolution</i> , 2010 , 27, 1495-503 | 8.3 | 70 |
| 160 | Molecular evolutionary and population genomic analysis of the nine-spined stickleback using a modified restriction-site-associated DNA tag approach. <i>Molecular Ecology</i> , 2013 , 22, 565-82 | 5.7 | 67 |
| 159 | History vs. current demography: explaining the genetic population structure of the common frog (<i>Rana temporaria</i>). <i>Molecular Ecology</i> , 2006 , 15, 975-83 | 5.7 | 67 |
| 158 | AN EXPERIMENTAL STUDY OF PATERNITY AND TAIL ORNAMENTATION IN THE BARN SWALLOW (<i>HIRUNDO RUSTICA</i>). <i>Evolution; International Journal of Organic Evolution</i> , 1997 , 51, 562-570 | 3.8 | 66 |
| 157 | Annotated genes and nonannotated genomes: cross-species use of Gene Ontology in ecology and evolution research. <i>Molecular Ecology</i> , 2013 , 22, 3216-41 | 5.7 | 65 |
| 156 | Mitochondrial and nuclear DNA phylogeography of <i>Thymallus</i> spp (grayling) provides evidence of ice-age mediated environmental perturbations in the world's oldest body of fresh water, Lake Baikal. <i>Molecular Ecology</i> , 2002 , 11, 2599-611 | 5.7 | 65 |
| 155 | Genetic assessment of spatiotemporal evolutionary relationships and stocking effects in grayling (<i>Thymallus thymallus</i> , Salmonidae). <i>Ecology Letters</i> , 2002 , 5, 193-205 | 10 | 65 |
| 154 | Environmental and population dependency of genetic variability-fitness correlations in <i>Rana temporaria</i> . <i>Molecular Ecology</i> , 2005 , 14, 311-23 | 5.7 | 64 |
| 153 | Heterogeneity in the rate and pattern of germline mutation at individual microsatellite loci. <i>Nucleic Acids Research</i> , 2002 , 30, 1997-2003 | 20.1 | 64 |
| 152 | Extrapair paternity in relation to sexual ornamentation, arrival date, and condition in a migratory bird. <i>Behavioral Ecology</i> , 2003 , 14, 707-712 | 2.3 | 63 |
| 151 | Ural owl sex allocation and parental investment under poor food conditions. <i>Oecologia</i> , 2003 , 137, 140-72.9 | | 60 |
| 150 | An Experimental Study of Paternity and Tail Ornamentation in the Barn Swallow (<i>Hirundo rustica</i>). <i>Evolution; International Journal of Organic Evolution</i> , 1997 , 51, 562 | 3.8 | 59 |
| 149 | Microsatellite marker data suggest sex-biased dispersal in the common frog <i>Rana temporaria</i> . <i>Molecular Ecology</i> , 2004 , 13, 2865-9 | 5.7 | 59 |
| 148 | Sexual conflict over fertilizations: female bluethroats escape male paternity guards. <i>Behavioral Ecology and Sociobiology</i> , 1998 , 43, 401-408 | 2.5 | 58 |
| 147 | New microsatellites from the pied flycatcher <i>Ficedula hypoleuca</i> and the swallow <i>Hirundo rustica</i> genomes. <i>Hereditas</i> , 1996 , 124, 281-3 | 2.4 | 58 |
| 146 | Microsatellite standardization and evaluation of genotyping error in a large multi-partner research programme for conservation of Atlantic salmon (<i>Salmo salar</i> L.). <i>Genetica</i> , 2011 , 139, 353-67 | 1.5 | 57 |
| 145 | Temporally stable genetic structure and low migration in an Atlantic salmon population complex: implications for conservation and management. <i>Evolutionary Applications</i> , 2008 , 1, 137-54 | 4.8 | 56 |

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| 144 | The evolution and adaptive potential of transcriptional variation in sticklebacks--signatures of selection and widespread heritability. <i>Molecular Biology and Evolution</i> , 2015 , 32, 674-89 | 8.3 | 55 |
| 143 | The effects of 20 years of highway presence on the genetic structure of <i>Rana dalmatina</i> populations. <i>Ecoscience</i> , 2006 , 13, 531-538 | 1.1 | 54 |
| 142 | Different traits affect gain of extrapair paternity and loss of paternity in the pied flycatcher, <i>Ficedula hypoleuca</i> . <i>Animal Behaviour</i> , 2009 , 77, 1103-1110 | 2.8 | 53 |
| 141 | A comparison of biallelic markers and microsatellites for the estimation of population and conservation genetic parameters in Atlantic salmon (<i>Salmo salar</i>). <i>Journal of Heredity</i> , 2007 , 98, 692-704 ^{2,4} | 2.4 | 53 |
| 140 | Sample Planning Optimization Tool for conservation and population Genetics (SPOTG): a software for choosing the appropriate number of markers and samples. <i>Methods in Ecology and Evolution</i> , 2013 , 4, 299-303 | 7.7 | 52 |
| 139 | Gene pleiotropy constrains gene expression changes in fish adapted to different thermal conditions. <i>Nature Communications</i> , 2014 , 5, 4071 | 17.4 | 51 |
| 138 | Handicapped males and extrapair paternity in pied flycatchers: a study using microsatellite markers. <i>Molecular Ecology</i> , 1995 , 4, 739-744 | 5.7 | 48 |
| 137 | Rapid sex-specific evolution of age at maturity is shaped by genetic architecture in Atlantic salmon. <i>Nature Ecology and Evolution</i> , 2018 , 2, 1800-1807 | 12.3 | 46 |
| 136 | Aggressiveness is associated with genetic diversity in landlocked salmon (<i>Salmo salar</i>). <i>Molecular Ecology</i> , 2003 , 12, 2399-407 | 5.7 | 44 |
| 135 | A proteomics approach reveals divergent molecular responses to salinity in populations of European whitefish (<i>Coregonus lavaretus</i>). <i>Molecular Ecology</i> , 2012 , 21, 3516-30 | 5.7 | 43 |
| 134 | Beyond MHC: signals of elevated selection pressure on Atlantic salmon (<i>Salmo salar</i>) immune-relevant loci. <i>Molecular Ecology</i> , 2010 , 19, 1273-82 | 5.7 | 43 |
| 133 | Do dominants have higher heterozygosity? Social status and genetic variation in brown trout, <i>Salmo trutta</i> . <i>Behavioral Ecology and Sociobiology</i> , 2006 , 59, 657-665 | 2.5 | 43 |
| 132 | Breeding synchrony and paternity in the barn swallow (<i>Hirundo rustica</i>). <i>Behavioral Ecology and Sociobiology</i> , 1999 , 45, 211-218 | 2.5 | 43 |
| 131 | Genetic biodiversity in the Baltic Sea: species-specific patterns challenge management. <i>Biodiversity and Conservation</i> , 2013 , 22, 3045-3065 | 3.4 | 41 |
| 130 | A low rate of cross-species microsatellite amplification success in Ranid frogs. <i>Conservation Genetics</i> , 2002 , 3, 445-449 | 2.6 | 41 |
| 129 | Temporally stable population-specific differences in run timing of one-sea-winter Atlantic salmon returning to a large river system. <i>Evolutionary Applications</i> , 2011 , 4, 39-53 | 4.8 | 40 |
| 128 | Rapid, broad-scale gene expression evolution in experimentally harvested fish populations. <i>Molecular Ecology</i> , 2017 , 26, 3954-3967 | 5.7 | 38 |
| 127 | Historical and recent genetic bottlenecks in European grayling, <i>Thymallus thymallus</i> . <i>Conservation Genetics</i> , 2010 , 11, 279-292 | 2.6 | 38 |

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|-----|---|-----|----|
| 126 | Discovery and application of insertion-deletion (INDEL) polymorphisms for QTL mapping of early life-history traits in Atlantic salmon. <i>BMC Genomics</i> , 2010 , 11, 156 | 4.5 | 38 |
| 125 | Single nucleotide polymorphism (SNP) discovery in duplicated genomes: intron-primed exon-crossing (IPEC) as a strategy for avoiding amplification of duplicated loci in Atlantic salmon (<i>Salmo salar</i>) and other salmonid fishes. <i>BMC Genomics</i> , 2006 , 7, 192 | 4.5 | 38 |
| 124 | Riverscape genetics: river characteristics influence the genetic structure and diversity of anadromous and freshwater Atlantic salmon (<i>Salmo salar</i>) populations in northwest Russia. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2012 , 69, 1947-1958 | 2.4 | 37 |
| 123 | Signals of major histocompatibility complex overdominance in a wild salmonid population. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2009 , 276, 3133-40 | 4.4 | 36 |
| 122 | From population genomics to conservation and management: a workflow for targeted analysis of markers identified using genome-wide approaches in Atlantic salmon <i>Salmo salar</i> . <i>Journal of Fish Biology</i> , 2016 , 89, 2658-2679 | 1.9 | 36 |
| 121 | Low but significant genetic differentiation underlies biologically meaningful phenotypic divergence in a large Atlantic salmon population. <i>Molecular Ecology</i> , 2015 , 24, 5158-74 | 5.7 | 35 |
| 120 | Importance of genetics in the interpretation of Favourable Conservation Status. <i>Conservation Biology</i> , 2009 , 23, 1378-81 | 6 | 34 |
| 119 | Microsatellites reveal clear genetic boundaries among Atlantic salmon (<i>Salmo salar</i>) populations from the Barents and White seas, northwest Russia. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2009 , 66, 717-735 | 2.4 | 34 |
| 118 | Identification of reproductively isolated lineages of Amur grayling (<i>Thymallus grubii</i> Dybowski 1869): concordance between phenotypic and genetic variation. <i>Molecular Ecology</i> , 2003 , 12, 2345-55 | 5.7 | 34 |
| 117 | Strong gene flow and lack of stable population structure in the face of rapid adaptation to local temperature in a spring-spawning salmonid, the European grayling (<i>Thymallus thymallus</i>). <i>Heredity</i> , 2011 , 106, 460-71 | 3.6 | 32 |
| 116 | The effect of migratory behaviour on genetic diversity and population divergence: a comparison of anadromous and freshwater Atlantic salmon <i>Salmo salar</i> . <i>Journal of Fish Biology</i> , 2007 , 70, 381-398 | 1.9 | 32 |
| 115 | Comparison of hypoxia-inducible factor-1 alpha in hypoxia-sensitive and hypoxia-tolerant fish species. <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2007 , 2, 177-86 | 2 | 32 |
| 114 | Life history variation across four decades in a diverse population complex of Atlantic salmon in a large subarctic river. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2019 , 76, 42-55 | 2.4 | 32 |
| 113 | Candidate genes for colour and vision exhibit signals of selection across the pied flycatcher (<i>Ficedula hypoleuca</i>) breeding range. <i>Heredity</i> , 2012 , 108, 431-40 | 3.6 | 31 |
| 112 | Seventy new microsatellites for the pied flycatcher, <i>Ficedula hypoleuca</i> and amplification in other passerine birds. <i>Molecular Ecology Resources</i> , 2008 , 8, 874-80 | 8.4 | 31 |
| 111 | Seventy-five EST-linked Atlantic salmon (<i>Salmo salar</i> L.) microsatellite markers and their cross-amplification in five salmonid species. <i>Molecular Ecology Notes</i> , 2005 , 5, 282-288 | | 31 |
| 110 | Population genomic analyses of early-phase Atlantic Salmon (<i>Salmo salar</i>) domestication/captive breeding. <i>Evolutionary Applications</i> , 2015 , 8, 93-107 | 4.8 | 30 |
| 109 | Interpopulation genetic divergence in European grayling (<i>Thymallus thymallus</i> , Salmonidae) at a microgeographic scale: implications for conservation. <i>Conservation Genetics</i> , 2001 , 2, 133-143 | 2.6 | 30 |

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|-----|--|------|----|
| 108 | Genomic signatures of fine-scale local selection in Atlantic salmon suggest involvement of sexual maturation, energy homeostasis and immune defence-related genes. <i>Molecular Ecology</i> , 2018 , 27, 2560-2575 | 5.7 | 29 |
| 107 | Diversity and linkage disequilibrium in farmed Tasmanian Atlantic salmon. <i>Animal Genetics</i> , 2017 , 48, 237-241 | 2.5 | 29 |
| 106 | Footprints of directional selection in wild Atlantic salmon populations: evidence for parasite-driven evolution?. <i>PLoS ONE</i> , 2014 , 9, e91672 | 3.7 | 29 |
| 105 | Plastic and Evolutionary Gene Expression Responses Are Correlated in European Grayling (<i>Thymallus thymallus</i>) Subpopulations Adapted to Different Thermal Environments. <i>Journal of Heredity</i> , 2016 , 107, 82-9 | 2.4 | 27 |
| 104 | Beyond large-effect loci: large-scale GWAS reveals a mixed large-effect and polygenic architecture for age at maturity of Atlantic salmon. <i>Genetics Selection Evolution</i> , 2020 , 52, 9 | 4.9 | 27 |
| 103 | Deriving evolutionary relationships among populations using microsatellites and (deltamu)(2): all loci are equal, but some are more equal than others. <i>Genetics</i> , 2002 , 161, 1339-47 | 4 | 27 |
| 102 | Fish scales and SNP chips: SNP genotyping and allele frequency estimation in individual and pooled DNA from historical samples of Atlantic salmon (<i>Salmo salar</i>). <i>BMC Genomics</i> , 2013 , 14, 439 | 4.5 | 26 |
| 101 | Conservation Genetic Resources for Effective Species Survival (ConGRESS): Bridging the divide between conservation research and practice. <i>Journal for Nature Conservation</i> , 2013 , 21, 433-437 | 2.3 | 24 |
| 100 | Screen for Footprints of Selection during Domestication/Captive Breeding of Atlantic Salmon. <i>Comparative and Functional Genomics</i> , 2012 , 2012, 628204 | | 24 |
| 99 | The structural variation landscape in 492 Atlantic salmon genomes. <i>Nature Communications</i> , 2020 , 11, 5176 | 17.4 | 24 |
| 98 | High <i>Gyrodactylus salaris</i> infection rate in triploid Atlantic salmon <i>Salmo salar</i> . <i>Diseases of Aquatic Organisms</i> , 2010 , 91, 129-36 | 1.7 | 23 |
| 97 | A flexible whole-genome microarray for transcriptomics in three-spine stickleback (<i>Gasterosteus aculeatus</i>). <i>BMC Genomics</i> , 2009 , 10, 426 | 4.5 | 22 |
| 96 | Reply to Garner et al. <i>Trends in Ecology and Evolution</i> , 2016 , 31, 83-84 | 10.9 | 21 |
| 95 | Spatio-temporal genetic structuring of brown trout (<i>Salmo trutta</i> L.) populations within the River Luga, northwest Russia. <i>Conservation Genetics</i> , 2009 , 10, 281-289 | 2.6 | 21 |
| 94 | Genetic structure of freshwater Atlantic salmon (<i>Salmo salar</i> L.) populations from the lakes Onega and Ladoga of northwest Russia and implications for conservation. <i>Conservation Genetics</i> , 2010 , 11, 1711-1724 | 2.6 | 21 |
| 93 | Variable patterns in the molecular evolution of the hypoxia-inducible factor-1 alpha (HIF-1alpha) gene in teleost fishes and mammals. <i>Gene</i> , 2008 , 420, 1-10 | 3.8 | 21 |
| 92 | Transcription and redox enzyme activities: comparison of equilibrium and disequilibrium levels in the three-spined stickleback. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2013 , 280, 20122974 | 4.4 | 20 |
| 91 | Distribution and biological characteristics of escaped farmed salmon in a major subarctic wild salmon river: implications for monitoring. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2010 , 67, 130-142 | 2.4 | 20 |

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|----|--|------|----|
| 90 | High degree of transferability of 86 newly developed zebra finch EST-linked microsatellite markers in 8 bird species. <i>Journal of Heredity</i> , 2008 , 99, 688-93 | 2.4 | 20 |
| 89 | Genetic variability predicts common frog (<i>Rana temporaria</i>) size at metamorphosis in the wild. <i>Heredity</i> , 2007 , 99, 41-6 | 3.6 | 20 |
| 88 | Single nucleotide polymorphisms to discriminate different classes of hybrid between wild Atlantic salmon and aquaculture escapees. <i>Evolutionary Applications</i> , 2016 , 9, 1017-31 | 4.8 | 20 |
| 87 | Home ground advantage: Local Atlantic salmon have higher reproductive fitness than dispersers in the wild. <i>Science Advances</i> , 2019 , 5, eaav1112 | 14.3 | 20 |
| 86 | Sympatric divergence and clinal variation in multiple coloration traits of <i>Ficedula</i> flycatchers. <i>Journal of Evolutionary Biology</i> , 2015 , 28, 779-90 | 2.3 | 19 |
| 85 | Conservation and Management of Salmon in the Age of Genomics. <i>Annual Review of Animal Biosciences</i> , 2020 , 8, 117-143 | 13.7 | 19 |
| 84 | Genetic mixed-stock analysis of lake-run brown trout <i>Salmo trutta</i> fishery catches in the Inari Basin, northern Finland: implications for conservation and management. <i>Journal of Fish Biology</i> , 2013 , 83, 598-617 | 1.9 | 18 |
| 83 | Phylogenetic status of brown trout <i>Salmo trutta</i> populations in five rivers from the southern Caspian Sea and two inland lake basins, Iran: a morphogenetic approach. <i>Journal of Fish Biology</i> , 2012 , 81, 1479-500 | 1.9 | 18 |
| 82 | Clonal Structure of Salmon Parasite <i>Gyrodactylus salaris</i> on a Coevolutionary Gradient on Fennoscandian Salmon (<i>Salmo salar</i>). <i>Annales Zoologici Fennici</i> , 2009 , 46, 21-33 | 0.9 | 18 |
| 81 | Evidence for reduced genetic variation in severely deformed juvenile salmonids. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2006 , 63, 2700-2707 | 2.4 | 18 |
| 80 | High throughput analysis of 17 microsatellite loci in grayling (<i>Thymallus</i> spp. Salmonidae) 2001 , 2, 173-177 | | 18 |
| 79 | Non-invasive genetic monitoring involving citizen science enables reconstruction of current pack dynamics in a re-establishing wolf population. <i>BMC Ecology</i> , 2017 , 17, 44 | 2.7 | 17 |
| 78 | High level of population genetic structuring in lake-run brown trout, <i>Salmo trutta</i> , of the Inari Basin, northern Finland. <i>Journal of Fish Biology</i> , 2010 , 77, 2048-71 | 1.9 | 17 |
| 77 | Generation of a neutral FST baseline for testing local adaptation on gill raker number within and between European whitefish ecotypes in the Baltic Sea basin. <i>Journal of Evolutionary Biology</i> , 2015 , 28, 1170-83 | 2.3 | 16 |
| 76 | Does Breeding Ornamentation Signal Genetic Quality in Arctic charr, <i>Salvelinus alpinus</i> ?. <i>Evolutionary Biology</i> , 2011 , 38, 68-78 | 3 | 16 |
| 75 | Unanticipated population structure of European grayling in its northern distribution: implications for conservation prioritization. <i>Frontiers in Zoology</i> , 2009 , 6, 6 | 2.8 | 16 |
| 74 | Contemporary isolation-by-distance, but not isolation-by-time, among demes of European Grayling (<i>Thymallus thymallus</i> , Linnaeus) with recent common ancestors. <i>Evolution; International Journal of Organic Evolution</i> , 2009 , 63, 549-56 | 3.8 | 16 |
| 73 | Distribution of genetic variation in the growth hormone 1 gene in Atlantic salmon (<i>Salmo salar</i>) populations from Europe and North America. <i>Molecular Ecology</i> , 2004 , 13, 3857-69 | 5.7 | 16 |

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|----|---|-----|----|
| 72 | Transcription Profiles of Age-at-Maturity-Associated Genes Suggest Cell Fate Commitment Regulation as a Key Factor in the Atlantic Salmon Maturation Process. <i>G3: Genes, Genomes, Genetics</i> , 2020 , 10, 235-246 | 3.2 | 16 |
| 71 | Molecular pedigree reconstruction and estimation of evolutionary parameters in a wild Atlantic salmon river system with incomplete sampling: a power analysis. <i>BMC Evolutionary Biology</i> , 2014 , 14, 68 | 3 | 15 |
| 70 | Heterozygosity-behaviour correlations in nine-spined stickleback (<i>Pungitius pungitius</i>) populations: contrasting effects at random and functional loci. <i>Molecular Ecology</i> , 2012 , 21, 4872-84 | 5.7 | 14 |
| 69 | Cross-species amplification of salmonid microsatellites which reveal polymorphism in European and Arctic grayling, Salmonidae: <i>Thymallus</i> spp. <i>Hereditas</i> , 1999 , 131, 171-6 | 2.4 | 14 |
| 68 | Prediction of offspring fitness based on parental genetic diversity in endangered salmonid populations. <i>Journal of Fish Biology</i> , 2003 , 63, 909-927 | 1.9 | 14 |
| 67 | Cis-regulatory differences in isoform expression associate with life history strategy variation in Atlantic salmon. <i>PLoS Genetics</i> , 2020 , 16, e1009055 | 6 | 14 |
| 66 | The Chromosome-Level Genome Assembly of European Grayling Reveals Aspects of a Unique Genome Evolution Process Within Salmonids. <i>G3: Genes, Genomes, Genetics</i> , 2019 , 9, 1283-1294 | 3.2 | 13 |
| 65 | Temporal variation of genetic composition in Atlantic salmon populations from the Western White Sea Basin: influence of anthropogenic factors?. <i>BMC Genetics</i> , 2013 , 14, 88 | 2.6 | 13 |
| 64 | Cross-species amplification of zebrafish and central stoneroller microsatellite loci in six other cyprinids. <i>Journal of Fish Biology</i> , 2005 , 66, 851-859 | 1.9 | 13 |
| 63 | Proteome variance differences within populations of European whitefish (<i>Coregonus lavaretus</i>) originating from contrasting salinity environments. <i>Journal of Proteomics</i> , 2014 , 105, 144-50 | 3.9 | 12 |
| 62 | Population Genetics of Daubenton's Bat (<i>Myotis daubentonii</i>) in the Archipelago Sea, SW Finland. <i>Annales Zoologici Fennici</i> , 2013 , 50, 303-315 | 0.9 | 12 |
| 61 | Genetic growth potential, rather than phenotypic size, predicts migration phenotype in Atlantic salmon. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2020 , 287, 20200867 | 4.4 | 12 |
| 60 | Regulatory Architecture of Gene Expression Variation in the Threespine Stickleback <i>Gasterosteus aculeatus</i> . <i>G3: Genes, Genomes, Genetics</i> , 2017 , 7, 165-178 | 3.2 | 11 |
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| 50 | Genomic signatures of parasite-driven natural selection in north European Atlantic salmon (<i>Salmo salar</i>). <i>Marine Genomics</i> , 2018 , 39, 26-38 | 1.9 | 9 |
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| 38 | Identification of differentially expressed proteins in <i>Ficedula</i> flycatchers. <i>Proteomics</i> , 2008 , 8, 2150-3 | 4.8 | 6 |
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| 36 | Primers for sequence characterization and polymorphism detection in the Atlantic salmon (<i>Salmo salar</i>) growth hormone 1 (GH1) gene. <i>Molecular Ecology Notes</i> , 2004 , 4, 664-667 | | 6 |
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| 34 | Heterogeneous genetic basis of age at maturity in salmonid fishes. <i>Molecular Ecology</i> , 2021 , 30, 1435-1456 | | 6 |
| 33 | Modularity Facilitates Flexible Tuning of Plastic and Evolutionary Gene Expression Responses during Early Divergence. <i>Genome Biology and Evolution</i> , 2018 , 10, 77-93 | 3.9 | 5 |
| 32 | The Atlantic salmon whole blood transcriptome and how it relates to major locus maturation genotypes and other tissues. <i>Marine Genomics</i> , 2021 , 56, 100809 | 1.9 | 5 |
| 31 | Evolution in salmon life-history induced by direct and indirect effects of fishing | | 4 |
| 30 | Cloning, purification, kinetic and anion inhibition studies of a recombinant α -carbonic anhydrase from the Atlantic salmon parasite platyhelminth <i>Gyrodactylus salaris</i> . <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2022 , 37, 1577-1586 | 5.6 | 4 |
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| 27 | Refining the genomic location of SNP variation affecting Atlantic salmon maturation timing at a key large-effect locus | | 3 |
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| 17 | Understanding local adaptation in a freshwater salmonid fish: evolution of a research programme. <i>ICES Journal of Marine Science</i> , 2019 , 76, 1404-1414 | 2.7 | 1 |
| 16 | Heterogeneous genetic basis of age at maturity in salmonid fishes | | 1 |
| 15 | Genomic Signatures of Fine-Scale Local Adaptation in Atlantic Salmon Suggest Involvement of Sexual Maturation, Energy Homeostasis, Behaviour, and Immune Defence-Related Genes | | 1 |
| 14 | Sex-specific lipid profiles in the muscle of Atlantic salmon juveniles. <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2021 , 38, 100810 | 2 | 1 |
| 13 | The early marine distribution of Atlantic salmon in the North-east Atlantic: A genetically informed stock-specific synthesis. <i>Fish and Fisheries</i> , 2021 , 22, 1274 | 6 | 1 |
| 12 | Standard metabolic rate does not associate with age-at-maturity genotype in juvenile Atlantic salmon | | 1 |
| 11 | Strong regulatory effects of <i>vgl3</i> genotype on reproductive axis gene expression in immature male Atlantic salmon | | 1 |
| 10 | Genetic coupling of life-history and aerobic performance in Atlantic salmon.. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2022 , 289, 20212500 | 4.4 | 0 |
| 9 | Major population splits coincide with episodes of rapid climate change in a forest-dependent bird. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2021 , 288, 20211066 | 4.4 | 0 |
| 8 | Standard metabolic rate does not associate with age-at-maturity genotype in juvenile Atlantic salmon.. <i>Ecology and Evolution</i> , 2022 , 12, e8408 | 2.8 | 0 |
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| 5 | Cis-regulatory differences in isoform expression associate with life history strategy variation in Atlantic salmon 2020 , 16, e1009055 | | |
| 4 | Cis-regulatory differences in isoform expression associate with life history strategy variation in Atlantic salmon 2020 , 16, e1009055 | | |
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