Craig R Primmer

List of Publications by Year in Descending Order

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	Genetic coupling of life-history and aerobic performance in Atlantic salmon.. *Proceedings of the Royal Society B: Biological Sciences*, **2022**, 289, 20212500	4.4	0
196	Standard metabolic rate does not associate with age-at-maturity genotype in juvenile Atlantic salmon.. *Ecology and Evolution*, **2022**, 12, e8408	2.8	0
195	Rapid evolution in salmon life history induced by direct and indirect effects of fishing.. *Science*, **2022**, 376, eabg5980	33.3	3
194	Strong regulatory effects of vgll3 genotype on reproductive axis gene expression in juvenile male Atlantic salmon.. *General and Comparative Endocrinology*, **2022**, 114055	3	0
193	Cloning, purification, kinetic and anion inhibition studies of a recombinant β-carbonic anhydrase from the Atlantic salmon parasite platyhelminth Gyrodactylus salaris. *Journal of Enzyme Inhibition and Medicinal Chemistry*, **2022**, 37, 1577-1586	5.6	4
192	Population genomics reveals repeated signals of adaptive divergence in the Atlantic salmon of north-eastern Europe. *Journal of Evolutionary Biology*, **2021**, 34, 866-878	2.3	2
191	Major population splits coincide with episodes of rapid climate change in a forest-dependent bird. *Proceedings of the Royal Society B: Biological Sciences*, **2021**, 288, 20211066	4.4	0
190	Refining the genomic location of single nucleotide polymorphism variation affecting Atlantic salmon maturation timing at a key large-effect locus. *Molecular Ecology*, **2021**,	5.7	3
189	Heterogeneous genetic basis of age at maturity in salmonid fishes. *Molecular Ecology*, **2021**, 30, 1435-1456	5.7	6
188	Sex-specific lipid profiles in the muscle of Atlantic salmon juveniles. *Comparative Biochemistry and Physiology Part D: Genomics and Proteomics*, **2021**, 38, 100810	2	1
187	Maturation in Atlantic salmon (Salmo salar, Salmonidae): a synthesis of ecological, genetic, and molecular processes. *Reviews in Fish Biology and Fisheries*, **2021**, 31, 523-571	6	11
186	Polygenic and major-locus contributions to sexual maturation timing in Atlantic salmon. *Molecular Ecology*, **2021**, 30, 4505-4519	5.7	10
185	The Atlantic salmon whole blood transcriptome and how it relates to major locus maturation genotypes and other tissues. *Marine Genomics*, **2021**, 56, 100809	1.9	5
184	Cytosine methylation patterns suggest a role of methylation in plastic and adaptive responses to temperature in European grayling () populations. *Epigenetics*, **2021**, 16, 271-288	5.7	3
183	Comparison of anadromous and landlocked Atlantic salmon genomes reveals signatures of parallel and relaxed selection across the Northern Hemisphere. *Evolutionary Applications*, **2021**, 14, 446-461	4.8	2
182	A large wild salmon stock shows genetic and life history differentiation within, but not between, rivers. *Conservation Genetics*, **2021**, 22, 35-51	2.6	3
181	The early marine distribution of Atlantic salmon in the North-east Atlantic: A genetically informed stock-specific synthesis. *Fish and Fisheries*, **2021**, 22, 1274	6	1

180	Developmental expression patterns of six6: A gene linked with spawning ecotypes in Atlantic salmon. *Gene Expression Patterns*, **2020**, 38, 119149	1.5	3
179	Mixed stock assessment of lake-run Caspian Sea trout Salmo caspius in the Lar National Park, Iran. *Fisheries Research*, **2020**, 230, 105644	2.3	1
178	Time spent in distinct life history stages has sex-specific effects on reproductive fitness in wild Atlantic salmon. *Molecular Ecology*, **2020**, 29, 1173-1184	5.7	10
177	Beyond large-effect loci: large-scale GWAS reveals a mixed large-effect and polygenic architecture for age at maturity of Atlantic salmon. *Genetics Selection Evolution*, **2020**, 52, 9	4.9	27
176	Cis-regulatory differences in isoform expression associate with life history strategy variation in Atlantic salmon. *PLoS Genetics*, **2020**, 16, e1009055	6	14
175	Conservation and Management of Salmon in the Age of Genomics. *Annual Review of Animal Biosciences*, **2020**, 8, 117-143	13.7	19
174	Captive-bred Atlantic salmon released into the wild have fewer offspring than wild-bred fish and decrease population productivity. *Proceedings of the Royal Society B: Biological Sciences*, **2020**, 287, 20201671	4.4	7
173	The structural variation landscape in 492 Atlantic salmon genomes. *Nature Communications*, **2020**, 11, 5176	17.4	24
172	Transcription Profiles of Age-at-Maturity-Associated Genes Suggest Cell Fate Commitment Regulation as a Key Factor in the Atlantic Salmon Maturation Process. *G3: Genes, Genomes, Genetics*, **2020**, 10, 235-246	3.2	16
171	Genetic growth potential, rather than phenotypic size, predicts migration phenotype in Atlantic salmon. *Proceedings of the Royal Society B: Biological Sciences*, **2020**, 287, 20200867	4.4	12
170	Life-history genomic regions explain differences in Atlantic salmon marine diet specialization. *Journal of Animal Ecology*, **2020**, 89, 2677-2691	4.7	11
169	Cis-regulatory differences in isoform expression associate with life history strategy variation in Atlantic salmon **2020**, 16, e1009055		
168	Cis-regulatory differences in isoform expression associate with life history strategy variation in Atlantic salmon **2020**, 16, e1009055		
167	Cis-regulatory differences in isoform expression associate with life history strategy variation in Atlantic salmon **2020**, 16, e1009055		
166	Cis-regulatory differences in isoform expression associate with life history strategy variation in Atlantic salmon **2020**, 16, e1009055		
165	Cis-regulatory differences in isoform expression associate with life history strategy variation in Atlantic salmon **2020**, 16, e1009055		
164	Cis-regulatory differences in isoform expression associate with life history strategy variation in Atlantic salmon **2020**, 16, e1009055		
163	Co-inheritance of sea age at maturity and iteroparity in the Atlantic salmon vgll3 genomic region. *Journal of Evolutionary Biology*, **2019**, 32, 343-355	2.3	11

162	Evolutionary stasis of a heritable morphological trait in a wild fish population despite apparent directional selection. *Ecology and Evolution*, **2019**, 9, 7096-7111	2.8	8
161	The Chromosome-Level Genome Assembly of European Grayling Reveals Aspects of a Unique Genome Evolution Process Within Salmonids. *G3: Genes, Genomes, Genetics*, **2019**, 9, 1283-1294	3.2	13
160	Heritability estimation via molecular pedigree reconstruction in a wild fish population reveals substantial evolutionary potential for sea age at maturity, but not size within age classes. *Canadian Journal of Fisheries and Aquatic Sciences*, **2019**, 76, 790-805	2.4	6
159	Understanding local adaptation in a freshwater salmonid fish: evolution of a research programme. *ICES Journal of Marine Science*, **2019**, 76, 1404-1414	2.7	1
158	Home ground advantage: Local Atlantic salmon have higher reproductive fitness than dispersers in the wild. *Science Advances*, **2019**, 5, eaav1112	14.3	20
157	Life history variation across four decades in a diverse population complex of Atlantic salmon in a large subarctic river. *Canadian Journal of Fisheries and Aquatic Sciences*, **2019**, 76, 42-55	2.4	32
156	Genomic signatures of fine-scale local selection in Atlantic salmon suggest involvement of sexual maturation, energy homeostasis and immune defence-related genes. *Molecular Ecology*, **2018**, 27, 2560-2575	5.7	29
155	Genomic signatures of parasite-driven natural selection in north European Atlantic salmon (Salmo salar). *Marine Genomics*, **2018**, 39, 26-38	1.9	9
154	Modularity Facilitates Flexible Tuning of Plastic and Evolutionary Gene Expression Responses during Early Divergence. *Genome Biology and Evolution*, **2018**, 10, 77-93	3.9	5
153	Rapid sex-specific evolution of age at maturity is shaped by genetic architecture in Atlantic salmon. *Nature Ecology and Evolution*, **2018**, 2, 1800-1807	12.3	46
152	A microsatellite baseline for genetic stock identification of European Atlantic salmon (Salmo salar L.). *ICES Journal of Marine Science*, **2018**, 75, 662-674	2.7	8
151	Regulatory Architecture of Gene Expression Variation in the Threespine Stickleback Gasterosteus aculeatus. *G3: Genes, Genomes, Genetics*, **2017**, 7, 165-178	3.2	11
150	Rapid, broad-scale gene expression evolution in experimentally harvested fish populations. *Molecular Ecology*, **2017**, 26, 3954-3967	5.7	38
149	Non-invasive genetic monitoring involving citizen science enables reconstruction of current pack dynamics in a re-establishing wolf population. *BMC Ecology*, **2017**, 17, 44	2.7	17
148	Harnessing the Power of Genomics to Secure the Future of Seafood. *Trends in Ecology and Evolution* , **2017**, 32, 665-680	10.9	123
147	Diversity and linkage disequilibrium in farmed Tasmanian Atlantic salmon. *Animal Genetics*, **2017**, 48, 237-241	2.5	29
146	Plastic and Evolutionary Gene Expression Responses Are Correlated in European Grayling (Thymallus thymallus) Subpopulations Adapted to Different Thermal Environments. *Journal of Heredity*, **2016**, 107, 82-9	2.4	27
145	Reply to Garner et al. *Trends in Ecology and Evolution*, **2016**, 31, 83-84	10.9	21

144	Single nucleotide polymorphisms to discriminate different classes of hybrid between wild Atlantic salmon and aquaculture escapees. *Evolutionary Applications*, **2016**, 9, 1017-31	4.8	20
143	From population genomics to conservation and management: a workflow for targeted analysis of markers identified using genome-wide approaches in Atlantic salmon Salmo salar. *Journal of Fish Biology*, **2016**, 89, 2658-2679	1.9	36
142	Sex-dependent dominance at a single locus maintains variation in age at maturity in salmon. *Nature*, **2015**, 528, 405-8	50.4	330
141	Population genomic analyses of early-phase Atlantic Salmon (Salmo salar) domestication/captive breeding. *Evolutionary Applications*, **2015**, 8, 93-107	4.8	30
140	The evolution and adaptive potential of transcriptional variation in sticklebacks--signatures of selection and widespread heritability. *Molecular Biology and Evolution*, **2015**, 32, 674-89	8.3	55
139	Genomics and the challenging translation into conservation practice. *Trends in Ecology and Evolution*, **2015**, 30, 78-87	10.9	335
138	The evolutionary legacy of size-selective harvesting extends from genes to populations. *Evolutionary Applications*, **2015**, 8, 597-620	4.8	104
137	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. *Journal of Evolutionary Biology*, **2015**, 28, 1170-83	2.3	16
136	Low but significant genetic differentiation underlies biologically meaningful phenotypic divergence in a large Atlantic salmon population. *Molecular Ecology*, **2015**, 24, 5158-74	5.7	35
135	Sympatric divergence and clinal variation in multiple coloration traits of Ficedula flycatchers. *Journal of Evolutionary Biology*, **2015**, 28, 779-90	2.3	19
134	Molecular pedigree reconstruction and estimation of evolutionary parameters in a wild Atlantic salmon river system with incomplete sampling: a power analysis. *BMC Evolutionary Biology*, **2014**, 14, 68	3	15
133	Proteome variance differences within populations of European whitefish (Coregonus lavaretus) originating from contrasting salinity environments. *Journal of Proteomics*, **2014**, 105, 144-50	3.9	12
132	Differences in the metabolic response to temperature acclimation in nine-spined stickleback (Pungitius pungitius) populations from contrasting thermal environments. *Journal of Experimental Zoology*, **2014**, 321, 550-65		10
131	Footprints of directional selection in wild Atlantic salmon populations: evidence for parasite-driven evolution?. *PLoS ONE*, **2014**, 9, e91672	3.7	29
130	Gene pleiotropy constrains gene expression changes in fish adapted to different thermal conditions. *Nature Communications*, **2014**, 5, 4071	17.4	51
129	Genome-wide SNP analysis reveals a genetic basis for sea-age variation in a wild population of Atlantic salmon (Salmo salar). *Molecular Ecology*, **2014**, 23, 3452-68	5.7	88
128	Fish scales and SNP chips: SNP genotyping and allele frequency estimation in individual and pooled DNA from historical samples of Atlantic salmon (Salmo salar). *BMC Genomics*, **2013**, 14, 439	4.5	26
127	Conservation Genetic Resources for Effective Species Survival (ConGRESS): Bridging the divide between conservation research and practice. *Journal for Nature Conservation*, **2013**, 21, 433-437	2.3	24

126	Temporal variation of genetic composition in Atlantic salmon populations from the Western White Sea Basin: influence of anthropogenic factors?. *BMC Genetics*, **2013**, 14, 88	2.6	13
125	Genetic biodiversity in the Baltic Sea: species-specific patterns challenge management. *Biodiversity and Conservation*, **2013**, 22, 3045-3065	3.4	41
124	Genetic mixed-stock analysis of lake-run brown trout Salmo trutta fishery catches in the Inari Basin, northern Finland: implications for conservation and management. *Journal of Fish Biology*, **2013**, 83, 598-617	1.9	18
123	Population Genetics of Daubenton's Bat (Myotis daubentonii) in the Archipelago Sea, SW Finland. *Annales Zoologici Fennici*, **2013**, 50, 303-315	0.9	12
122	Molecular evolutionary and population genomic analysis of the nine-spined stickleback using a modified restriction-site-associated DNA tag approach. *Molecular Ecology*, **2013**, 22, 565-82	5.7	67
121	SNP-array reveals genome-wide patterns of geographical and potential adaptive divergence across the natural range of Atlantic salmon (Salmo salar). *Molecular Ecology*, **2013**, 22, 532-51	5.7	170
120	Bringing genetic diversity to the forefront of conservation policy and management. *Conservation Genetics Resources*, **2013**, 5, 593-598	0.8	91
119	Sample Planning Optimization Tool for conservation and population Genetics (SPOTG): a software for choosing the appropriate number of markers and samples. *Methods in Ecology and Evolution*, **2013**, 4, 299-303	7.7	52
118	Transcription and redox enzyme activities: comparison of equilibrium and disequilibrium levels in the three-spined stickleback. *Proceedings of the Royal Society B: Biological Sciences*, **2013**, 280, 20122974	4.4	20
117	Annotated genes and nonannotated genomes: cross-species use of Gene Ontology in ecology and evolution research. *Molecular Ecology*, **2013**, 22, 3216-41	5.7	65
116	A proteomics approach reveals divergent molecular responses to salinity in populations of European whitefish (Coregonus lavaretus). *Molecular Ecology*, **2012**, 21, 3516-30	5.7	43
115	Genetic differentiation between two sympatric morphs of the blind Iran cave barb Iranocypris typhlops. *Journal of Fish Biology*, **2012**, 81, 1747-53	1.9	7
114	Phylogenetic status of brown trout Salmo trutta populations in five rivers from the southern Caspian Sea and two inland lake basins, Iran: a morphogenetic approach. *Journal of Fish Biology*, **2012**, 81, 1479-500	1.9	18
113	Heterozygosity-behaviour correlations in nine-spined stickleback (Pungitius pungitius) populations: contrasting effects at random and functional loci. *Molecular Ecology*, **2012**, 21, 4872-84	5.7	14
112	Riverscape genetics: river characteristics influence the genetic structure and diversity of anadromous and freshwater Atlantic salmon (Salmo salar) populations in northwest Russia. *Canadian Journal of Fisheries and Aquatic Sciences*, **2012**, 69, 1947-1958	2.4	37
111	Candidate genes for colour and vision exhibit signals of selection across the pied flycatcher (Ficedula hypoleuca) breeding range. *Heredity*, **2012**, 108, 431-40	3.6	31
110	The proteomics of feather development in pied flycatchers (Ficedula hypoleuca) with different plumage coloration. *Molecular Ecology*, **2012**, 21, 5762-77	5.7	11
109	Screen for Footprints of Selection during Domestication/Captive Breeding of Atlantic Salmon. *Comparative and Functional Genomics*, **2012**, 2012, 628204		24

108	Isolation and Characterization of 13 New Nine-Spined Stickleback,Pungitius pungitius, Microsatellites Located Nearby Candidate Genes for Behavioural Variation. *Annales Zoologici Fennici*, **2012**, 49, 123-128	0.9	9
107	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 (Thymallus thymallus). *Heredity*, **2011**, 106, 460-71	3.6	32
106	Temporally stable population-specific differences in run timing of one-sea-winter Atlantic salmon returning to a large river system. *Evolutionary Applications*, **2011**, 4, 39-53	4.8	40
105	Microsatellite standardization and evaluation of genotyping error in a large multi-partner research programme for conservation of Atlantic salmon (Salmo salar L.). *Genetica*, **2011**, 139, 353-67	1.5	57
104	Does Breeding Ornamentation Signal Genetic Quality in Arctic charr, Salvelinus alpinus?. *Evolutionary Biology*, **2011**, 38, 68-78	3	16
103	Molecular evolution of the metazoan PHD-HIF oxygen-sensing system. *Molecular Biology and Evolution*, **2011**, 28, 1913-26	8.3	102
102	Beyond MHC: signals of elevated selection pressure on Atlantic salmon (Salmo salar) immune-relevant loci. *Molecular Ecology*, **2010**, 19, 1273-82	5.7	43
101	High level of population genetic structuring in lake-run brown trout, Salmo trutta, of the Inari Basin, northern Finland. *Journal of Fish Biology*, **2010**, 77, 2048-71	1.9	17
100	Female-biased expression on the X chromosome as a key step in sex chromosome evolution in threespine sticklebacks. *Molecular Biology and Evolution*, **2010**, 27, 1495-503	8.3	70
99	Distribution and biological characteristics of escaped farmed salmon in a major subarctic wild salmon river: implications for monitoring. *Canadian Journal of Fisheries and Aquatic Sciences*, **2010**, 67, 130-142	2.4	20
98	Proteomic profiling of early life stages of European grayling (Thymallus thymallus). *Journal of Proteome Research*, **2010**, 9, 4790-800	5.6	9
97	Isolation and characterization of 19 new microsatellites for European grayling, Thymallus thymallus (Linnaeus, 1758), and their cross-amplification in four other salmonid species. *Conservation Genetics Resources*, **2010**, 2, 219-223	0.8	6
96	Historical and recent genetic bottlenecks in European grayling, Thymallus thymallus. *Conservation Genetics*, **2010**, 11, 279-292	2.6	38
95	Genetic structure of freshwater Atlantic salmon (Salmo salar L.) populations from the lakes Onega and Ladoga of northwest Russia and implications for conservation. *Conservation Genetics*, **2010**, 11, 1711-1724	2.6	21
94	Discovery and application of insertion-deletion (INDEL) polymorphisms for QTL mapping of early life-history traits in Atlantic salmon. *BMC Genomics*, **2010**, 11, 156	4.5	38
93	High Gyrodactylus salaris infection rate in triploid Atlantic salmon Salmo salar. *Diseases of Aquatic Organisms*, **2010**, 91, 129-36	1.7	23
92	Signals of major histocompatibility complex overdominance in a wild salmonid population. *Proceedings of the Royal Society B: Biological Sciences*, **2009**, 276, 3133-40	4.4	36
91	A flexible whole-genome microarray for transcriptomics in three-spine stickleback (Gasterosteus aculeatus). *BMC Genomics*, **2009**, 10, 426	4.5	22

90	Different traits affect gain of extrapair paternity and loss of paternity in the pied flycatcher, Ficedula hypoleuca. *Animal Behaviour*, **2009**, 77, 1103-1110	2.8	53
89	Spatio-temporal genetic structuring of brown trout (Salmo trutta L.) populations within the River Luga, northwest Russia. *Conservation Genetics*, **2009**, 10, 281-289	2.6	21
88	Unanticipated population structure of European grayling in its northern distribution: implications for conservation prioritization. *Frontiers in Zoology*, **2009**, 6, 6	2.8	16
87	Geographic patterns of genetic differentiation and plumage colour variation are different in the pied flycatcher (Ficedula hypoleuca). *Molecular Ecology*, **2009**, 18, 4463-76	5.7	84
86	Contemporary isolation-by-distance, but not isolation-by-time, among demes of European Grayling (Thymallus thymallus, Linnaeus) with recent common ancestors. *Evolution; International Journal of Organic Evolution*, **2009**, 63, 549-56	3.8	16
85	From conservation genetics to conservation genomics. *Annals of the New York Academy of Sciences*, **2009**, 1162, 357-68	6.5	83
84	Importance of genetics in the interpretation of Favourable Conservation Status. *Conservation Biology*, **2009**, 23, 1378-81	6	34
83	Clonal Structure of Salmon ParasiteGyrodactylus salarison a Coevolutionary Gradient on Fennoscandian Salmon (Salmo salar). *Annales Zoologici Fennici*, **2009**, 46, 21-33	0.9	18
82	Microsatellites reveal clear genetic boundaries among Atlantic salmon (Salmo salar) populations from the Barents and White seas, northwest Russia. *Canadian Journal of Fisheries and Aquatic Sciences*, **2009**, 66, 717-735	2.4	34
81	Temporally stable genetic structure and low migration in an Atlantic salmon population complex: implications for conservation and management. *Evolutionary Applications*, **2008**, 1, 137-54	4.8	56
80	Variable patterns in the molecular evolution of the hypoxia-inducible factor-1 alpha (HIF-1alpha) gene in teleost fishes and mammals. *Gene*, **2008**, 420, 1-10	3.8	21
79	Seventy new microsatellites for the pied flycatcher, Ficedula hypoleuca and amplification in other passerine birds. *Molecular Ecology Resources*, **2008**, 8, 874-80	8.4	31
78	Use of differential expression data for identification of novel immune relevant expressed sequence tag-linked microsatellite markers in Atlantic salmon (Salmo salar L.). *Molecular Ecology Resources*, **2008**, 8, 1486-90	8.4	6
77	A gene-based genetic linkage map of the collared flycatcher (Ficedula albicollis) reveals extensive synteny and gene-order conservation during 100 million years of avian evolution. *Genetics*, **2008**, 179, 1479-95	4	75
76	High degree of transferability of 86 newly developed zebra finch EST-linked microsatellite markers in 8 bird species. *Journal of Heredity*, **2008**, 99, 688-93	2.4	20
75	PCR Multiplexing for Maximising Genetic Analyses with Limited DNA Samples: An Example in the Collared Flycatcher,Ficedula albicollis. *Annales Zoologici Fennici*, **2008**, 45, 478-482	0.9	6
74	Identification of differentially expressed proteins in Ficedula flycatchers. *Proteomics*, **2008**, 8, 2150-3	4.8	6
73	Genetic variability predicts common frog (Rana temporaria) size at metamorphosis in the wild. *Heredity*, **2007**, 99, 41-6	3.6	20

72	The effect of migratory behaviour on genetic diversity and population divergence: a comparison of anadromous and freshwater Atlantic salmon Salmo salar. *Journal of Fish Biology*, **2007**, 70, 381-398	1.9	32
71	Life-history and habitat features influence the within-river genetic structure of Atlantic salmon. *Molecular Ecology*, **2007**, 16, 2638-54	5.7	221
70	Does habitat fragmentation reduce fitness and adaptability? A case study of the common frog (Rana temporaria). *Molecular Ecology*, **2007**, 16, 2693-700	5.7	111
69	A comparison of biallelic markers and microsatellites for the estimation of population and conservation genetic parameters in Atlantic salmon (Salmo salar). *Journal of Heredity*, **2007**, 98, 692-704	2.4	53
68	Comparison of hypoxia-inducible factor-1 alpha in hypoxia-sensitive and hypoxia-tolerant fish species. *Comparative Biochemistry and Physiology Part D: Genomics and Proteomics*, **2007**, 2, 177-86	2	32
67	Do dominants have higher heterozygosity? Social status and genetic variation in brown trout, Salmo trutta. *Behavioral Ecology and Sociobiology*, **2006**, 59, 657-665	2.5	43
66	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 (Salmo salar) and other salmonid fishes. *BMC Genomics*, **2006**, 7, 192	4.5	38
65	Characterization of the first growth hormone gene sequence for a passerine bird--the pied flycatcher (Ficedula hypoleuca). *DNA Sequence*, **2006**, 17, 401-6		6
64	The effects of 20 years of highway presence on the genetic structure of Rana dalmatina populations. *Ecoscience*, **2006**, 13, 531-538	1.1	54
63	Varying signals of the effects of natural selection during teleost growth hormone gene evolution. *Genome*, **2006**, 49, 42-53	2.4	10
62	Evidence for reduced genetic variation in severely deformed juvenile salmonids. *Canadian Journal of Fisheries and Aquatic Sciences*, **2006**, 63, 2700-2707	2.4	18
61	Molecular evolution of the avian growth hormone gene and comparison with its mammalian counterpart. *Journal of Evolutionary Biology*, **2006**, 19, 844-54	2.3	11
60	Isolation by distance within a river system: genetic population structuring of Atlantic salmon, Salmo salar, in tributaries of the Varzuga River in northwest Russia. *Molecular Ecology*, **2006**, 15, 653-66	5.7	101
59	History vs. current demography: explaining the genetic population structure of the common frog (Rana temporaria). *Molecular Ecology*, **2006**, 15, 975-83	5.7	67
58	Efficiency of model-based Bayesian methods for detecting hybrid individuals under different hybridization scenarios and with different numbers of loci. *Molecular Ecology*, **2006**, 15, 63-72	5.7	644
57	Environmental and population dependency of genetic variability-fitness correlations in Rana temporaria. *Molecular Ecology*, **2005**, 14, 311-23	5.7	64
56	Seventy-five EST-linked Atlantic salmon (Salmo salar L.) microsatellite markers and their cross-amplification in five salmonid species. *Molecular Ecology Notes*, **2005**, 5, 282-288		31
55	Challenges for identifying functionally important genetic variation: the promise of combining complementary research strategies. *Molecular Ecology*, **2005**, 14, 3623-42	5.7	237

54	The influence of landscape structure on occurrence, abundance and genetic diversity of the common frog, Rana temporaria. *Global Change Biology*, **2005**, 11, 1664-1679	11.4	75
53	Cross-species amplification of zebrafish and central stoneroller microsatellite loci in six other cyprinids. *Journal of Fish Biology*, **2005**, 66, 851-859	1.9	13
52	Factors affecting avian cross-species microsatellite amplification. *Journal of Avian Biology*, **2005**, 36, 348-360	1.9	92
51	Expressed sequence tag-linked microsatellites as a source of gene-associated polymorphisms for detecting signatures of divergent selection in atlantic salmon (Salmo salar L.). *Molecular Biology and Evolution*, **2005**, 22, 1067-76	8.3	232
50	High degree of population subdivision in a widespread amphibian. *Molecular Ecology*, **2004**, 13, 2631-44	5.7	100
49	Microsatellite marker data suggest sex-biased dispersal in the common frog Rana temporaria. *Molecular Ecology*, **2004**, 13, 2865-9	5.7	59
48	Distribution of genetic variation in the growth hormone 1 gene in Atlantic salmon (Salmo salar) populations from Europe and North America. *Molecular Ecology*, **2004**, 13, 3857-69	5.7	16
47	Primers for sequence characterization and polymorphism detection in the Atlantic salmon (Salmo salar) growth hormone 1 (GH1) gene. *Molecular Ecology Notes*, **2004**, 4, 664-667		6
46	The benefits of increasing the number of microsatellites utilized in genetic population studies: an empirical perspective. *Hereditas*, **2004**, 141, 61-7	2.4	74
45	Ural owl sex allocation and parental investment under poor food conditions. *Oecologia*, **2003**, 137, 140-7	2.9	60
44	Latitudinal divergence of common frog (Rana temporaria) life history traits by natural selection: evidence from a comparison of molecular and quantitative genetic data. *Molecular Ecology*, **2003**, 12, 1963-78	5.7	165
43	Identification of reproductively isolated lineages of Amur grayling (Thymallus grubii Dybowski 1869): concordance between phenotypic and genetic variation. *Molecular Ecology*, **2003**, 12, 2345-55	5.7	34
42	Aggressiveness is associated with genetic diversity in landlocked salmon (Salmo salar). *Molecular Ecology*, **2003**, 12, 2399-407	5.7	44
41	Prediction of offspring fitness based on parental genetic diversity in endangered salmonid populations. *Journal of Fish Biology*, **2003**, 63, 909-927	1.9	14
40	Sex chromosome evolution and speciation in Ficedula flycatchers. *Proceedings of the Royal Society B: Biological Sciences*, **2003**, 270, 53-9	4.4	166
39	Extrapair paternity in relation to sexual ornamentation, arrival date, and condition in a migratory bird. *Behavioral Ecology*, **2003**, 14, 707-712	2.3	63
38	Mitochondrial and nuclear DNA phylogeography of Thymallus spp (grayling) provides evidence of ice-age mediated environmental perturbations in the world's oldest body of fresh water, Lake Baikal. *Molecular Ecology*, **2002**, 11, 2599-611	5.7	65
37	Single-nucleotide polymorphism characterization in species with limited available sequence information: high nucleotide diversity revealed in the avian genome. *Molecular Ecology*, **2002**, 11, 603-12	5.7	253

36	Genetic assessment of spatiotemporal evolutionary relationships and stocking effects in grayling (Thymallus thymallus, Salmonidae). *Ecology Letters*, **2002**, 5, 193-205	10	65
35	Microsatellite data resolve phylogeographic patterns in European grayling, Thymallus thymallus, Salmonidae. *Heredity*, **2002**, 88, 391-401	3.6	79
34	Contemporary fisherian life-history evolution in small salmonid populations. *Nature*, **2002**, 419, 826-30	50.4	235
33	A low rate of cross-species microsatellite amplification success in Ranid frogs. *Conservation Genetics* , **2002**, 3, 445-449	2.6	41
32	Heterogeneity in the rate and pattern of germline mutation at individual microsatellite loci. *Nucleic Acids Research*, **2002**, 30, 1997-2003	20.1	64
31	Deriving evolutionary relationships among populations using microsatellites and (deltamu)(2): all loci are equal, but some are more equal than others. *Genetics*, **2002**, 161, 1339-47	4	27
30	Speciation, introgressive hybridization and nonlinear rate of molecular evolution in flycatchers. *Molecular Ecology*, **2001**, 10, 737-49	5.7	89
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10	Functional Analysis of All Salmonid Genomes (FAASG): an international initiative supporting future salmonid research, conservation and aquaculture		7
9	Heterogeneous genetic basis of age at maturity in salmonid fishes		1
8	Genomic Signatures of Fine-Scale Local Adaptation in Atlantic Salmon Suggest Involvement of Sexual Maturation, Energy Homeostasis, Behaviour, and Immune Defence-Related Genes		1
7	Cis-regulatory differences in isoform expression associate with life history strategy variation in Atlantic salmon		2
6	Large single-locus effects for maturation timing are mediated via body condition in Atlantic salmon		6
5	Refining the genomic location of SNP variation affecting Atlantic salmon maturation timing at a key large-effect locus		3
4	Evolution in salmon life-history induced by direct and indirect effects of fishing		4
3	Standard metabolic rate does not associate with age-at-maturity genotype in juvenile Atlantic salmon		1
2	Strong regulatory effects of vgll3 genotype on reproductive axis gene expression in immature male Atlantic salmon		1
1	Genetic coupling of life-history and aerobic performance in Atlantic salmon indicates potential constrains on life-history evolution		2