Leif Andersson

List of Publications by Year
in descending order

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242	23,975	9786	9103
papers	citations	73 h-index	144 g-index

265	265	265	18953
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Whole-genome resequencing reveals loci under selection during chicken domestication. Nature, 2010, 464, 587-591.	27.8	985
2	A regulatory mutation in IGF2 causes a major QTL effect on muscle growth in the pig. Nature, 2003, 425, 832-836.	27.8	791
3	Evolution of Darwinâ€™s finches and their beaks revealed by genome sequencing. Nature, 2015, 518, 371-375.	27.8	766
4	Worldwide Phylogeography of Wild Boar Reveals Multiple Centers of Pig Domestication. Science, 2005, 307, 1618-1621.	12.6	729
5	Recalibrating Equus evolution using the genome sequence of an early Middle Pleistocene horse. Nature, 2013, 499, 74-78.	27.8	717
6	A Mutation in PRKAG3 Associated with Excess Glycogen Content in Pig Skeletal Muscle. Science, 2000, 288, 1248-1251.	12.6	647
7	Current perspectives and the future of domestication studies. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 6139-6146.	7.1	594
8	Strong signatures of selection in the domestic pig genome. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 19529-19536.	7.1	548
9	Domestic-animal genomics: deciphering the genetics of complex traits. Nature Reviews Genetics, 2004, 5, 202-212.	16.3	516
10	The abundance of various polymorphic microsatellite motifs differs between plants and vertebrates. Nucleic Acids Research, 1993, 21, 1111-1115.	14.5	495
11	Efficient mapping of mendelian traits in dogs through genome-wide association. Nature Genetics, 2007, 39, 1321-1328.	21.4	474
12	Rethinking dog domestication by integrating genetics, archeology, and biogeography. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 8878-8883.	7.1	412
13	Identification of the Yellow Skin Gene Reveals a Hybrid Origin of the Domestic Chicken. PLoS Genetics, 2008, 4, e1000010.	3.5	399
14	A genetic variation map for chicken with 2.8 million single-nucleotide polymorphisms. Nature, 2004, 432, 717-722.	27.8	391
15	Mutations in DMRT3 affect locomotion in horses and spinal circuit function in mice. Nature, 2012, 488, 642-646.	27.8	364
16	Multiple Marker Mapping of Quantitative Trait Loci in a Cross Between Outbred Wild Boar and Large White Pigs. Genetics, 1998, 149, 1069-1080.	2.9	361
17	Rabbit genome analysis reveals a polygenic basis for phenotypic change during domestication. Science, 2014, 345, 1074-1079.	12.6	343
18	Structural genomic changes underlie alternative reproductive strategies in the ruff (Philomachus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 6	21.4	340

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19	A paternally expressed QTL affecting skeletal and cardiac muscle mass in pigs maps to the IGF2 locus. Nature Genetics, 1999, 21, 157-158.	21.4	333
20	Coordinated international action to accelerate genome-to-phenome with FAANG, the Functional Annotation of Animal Genomes project. Genome Biology, 2015, 16, 57.	8.8	331
21	Genetic dissection of phenotypic diversity in farm animals. Nature Reviews Genetics, 2001, 2, 130-138.	16.3	330
22	Rapid hybrid speciation in Darwinâ€™s finches. Science, 2018, 359, 224-228.	12.6	327
23	Patterns of East Asian pig domestication, migration, and turnover revealed by modern and ancient DNA. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 7686-7691.	7.1	279
24	Epistasis and the release of genetic variation during long-term selection. Nature Genetics, 2006, 38, 418-420.	21.4	278
25	A cis-acting regulatory mutation causes premature hair graying and susceptibility to melanoma in the horse. Nature Genetics, 2008, 40, 1004-1009.	21.4	271
26	The 5â€²-AMP-activated Protein Kinase Î³3 Isoform Has a Key Role in Carbohydrate and Lipid Metabolism in Glycolytic Skeletal Muscle. Journal of Biological Chemistry, 2004, 279, 38441-38447.	3.4	264
27	A high-density SNP-based linkage map of the chicken genome reveals sequence features correlated with recombination rate. Genome Research, 2009, 19, 510-519.	5.5	261
28	Prehistoric genomes reveal the genetic foundation and cost of horse domestication. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E5661-9.	7.1	260
29	AMPK-Mediated AS160 Phosphorylation in Skeletal Muscle Is Dependent on AMPK Catalytic and Regulatory Subunits. Diabetes, 2006, 55, 2051-2058.	0.6	239
30	Copy Number Variation in Intron 1 of SOX5 Causes the Pea-comb Phenotype in Chickens. PLoS Genetics, 2009, 5, e1000512.	3.5	219
31	Population-scale sequencing reveals genetic differentiation due to local adaptation in Atlantic herring. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 19345-19350.	7.1	217
32	Contrasting Mode of Evolution at a Coat Color Locus in Wild and Domestic Pigs. PLoS Genetics, 2009, 5, e1000341.	3.5	211
33	A Global Search Reveals Epistatic Interaction Between QTL for Early Growth in the Chicken. Genome Research, 2003, 13, 413-421.	5.5	210
34	The Dominant white, Dun and Smoky Color Variants in Chicken Are Associated With Insertion/Deletion Polymorphisms in the PMEL17 GeneSequence data from this article have been deposited with the EMBL/GenBank Data Libraries under accession nos. AY636124, AY636125, AY636126, AY636127, AY636128, AY636129.. Genetics, 2004, 168, 1507-1518.	2.9	209
35	A beak size locus in Darwinâ€™s finches facilitated character displacement during a drought. Science, 2016, 352, 470-474.	12.6	206
36	Molecular Basis for the Dominant White Phenotype in the Domestic Pig. Genome Research, 1998, 8, 826-833.	5.5	195

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37	Genetic Basis for Red Coloration in Birds. Current Biology, 2016, 26, 1427-1434.	3.9	192
38	Duplication of FGF3, FGF4, FGF19 and ORAOV1 causes hair ridge and predisposition to dermoid sinus in Ridgeback dogs. Nature Genetics, 2007, 39, 1318-1320.	21.4	176
39	Regulatory changes in pterin and carotenoid genes underlie balanced color polymorphisms in the wall lizard. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 5633-5642.	7.1	163
40	Gene flow, ancient polymorphism, and ecological adaptation shape the genomic landscape of divergence among Darwin's finches. Genome Research, 2017, 27, 1004-1015.	5.5	152
41	A large duplication associated with dominant white color in pigs originated by homologous recombination between LINE elements flanking KIT. Mammalian Genome, 2002, 13, 569-577.	2.2	149
42	ZBED6, a Novel Transcription Factor Derived from a Domesticated DNA Transposon Regulates IGF2 Expression and Muscle Growth. PLoS Biology, 2009, 7, e1000256.	5.6	149
43	Lack of correspondence between genetic and morphologic variability patterns in Atlantic herring (Clupea harengus). Heredity, 1984, 53, 687-704.	2.6	147
44	Characterization of the MHC class II region in cattle. The number of DQ genes varies between haplotypes. Immunogenetics, 1988, 27, 110-120.	2.4	145
45	The genetic basis for ecological adaptation of the Atlantic herring revealed by genome sequencing. ELife, 2016, 5, .	6.0	143
46	Mutations in SLC45A2 Cause Plumage Color Variation in Chicken and Japanese Quail. Genetics, 2007, 175, 867-877.	2.9	141
47	Linkage relationships in the bovine MHC region. High recombination frequency between class II subregions. Immunogenetics, 1988, 27, 273-280.	2.4	139
48	A missense mutation in PMEL17 is associated with the Silver coat color in the horse. BMC Genetics, 2006, 7, 46.	2.7	139
49	A Complex Genomic Rearrangement Involving the Endothelin 3 Locus Causes Dermal Hyperpigmentation in the Chicken. PLoS Genetics, 2011, 7, e1002412.	3.5	139
50	The Uncoupling Protein 1 Gene (UCP1) Is Disrupted in the Pig Lineage: A Genetic Explanation for Poor Thermoregulation in Piglets. PLoS Genetics, 2006, 2, e129.	3.5	134
51	Combined Analyses of Data From Quantitative Trait Loci Mapping Studies: Chromosome 4 Effects on Porcine Growth and Fatness. Genetics, 2000, 155, 1369-1378.	2.9	128
52	The Use of a Genetic Algorithm for Simultaneous Mapping of Multiple Interacting Quantitative Trait Loci. Genetics, 2000, 155, 2003-2010.	2.9	123
53	Mitochondrial diversity in European and Chinese pigs is consistent with population expansions that occurred prior to domestication. Proceedings of the Royal Society B: Biological Sciences, 2006, 273, 1803-1810.	2.6	121
54	A Novel Unstable Duplication Upstream of HAS2 Predisposes to a Breed-Defining Skin Phenotype and a Periodic Fever Syndrome in Chinese Shar-Pei Dogs. PLoS Genetics, 2011, 7, e1001332.	3.5	118

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55	QTL analysis of a red junglefowl x White Leghorn intercross reveals trade-off in resource allocation between behavior and production traits. Behavior Genetics, 2002, 32, 423-433.	2.1	114
56	Major Growth QTLs in Fowl Are Related to Fearful Behavior: Possible Genetic Links Between Fear Responses and Production Traits in a Red Junglefowl Ã— White Leghorn Intercross. Behavior Genetics, 2004, 34, 121-130.	2.1	114
57	The Rose-comb Mutation in Chickens Constitutes a Structural Rearrangement Causing Both Altered Comb Morphology and Defective Sperm Motility. PLoS Genetics, 2012, 8, e1002775.	3.5	112
58	Genetic Architecture of Tameness in a Rat Model of Animal Domestication. Genetics, 2009, 182, 541-554.	2.9	111
59	Feather-pecking and victim pigmentation. Nature, 2004, 431, 645-646.	27.8	110
60	Inactivation of Pmel Alters Melanosome Shape But Has Only a Subtle Effect on Visible Pigmentation. PLoS Genetics, 2011, 7, e1002285.	3.5	108
61	Monomorphism and polymorphism at Mhc DRB loci in domestic and wild ruminants. Immunological Reviews, 1999, 167, 169-178.	6.0	106
62	Genome-wide association analysis in domestic animals: a powerful approach for genetic dissection of trait loci. Genetica, 2009, 136, 341-349.	1.1	105
63	Establishing the validity of domestication genes using DNA from ancient chickens. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 6184-6189.	7.1	103
64	Identification of the Long-Sought Leptin in Chicken and Duck: Expression Pattern of the Highly GC-Rich Avian leptin Fits an Autocrine/Paracrine Rather Than Endocrine Function. Endocrinology, 2016, 157, 737-751.	2.8	103
65	Comparative mapping reveals extensive linkage conservationâ€"but with gene order rearrangementsâ€"between the pig and the human genomes. Genomics, 1995, 25, 682-690.	2.9	102
66	The gene for dominant white color in the pig is closely linked to ALB and PDGFRA on chromosome 8. Genomics, 1992, 14, 965-969.	2.9	101
67	Many QTLs with minor additive effects are associated with a large difference in growth between two selection lines in chickens. Genetical Research, 2005, 86, 115-125.	0.9	99
68	Identification of a mutation in the low density lipoprotein receptor gene associated with recessive familial hypercholesterolemia in swine. American Journal of Medical Genetics Part A, 1998, 76, 379-386.	2.4	98
69	Confirmed quantitative trait loci for fatness and growth on pig chromosome 4. Heredity, 1999, 82, 134-141.	2.6	98
70	QTL analysis of body composition and metabolic traits in an intercross between chicken lines divergently selected for growth. Physiological Genomics, 2006, 25, 216-223.	2.3	93
71	The Belt mutation in pigs is an allele at the Dominant white (I/KIT) locus. Mammalian Genome, 1999, 10, 1132-1136.	2.2	92
72	Assignment of 20 Microsatellite Markers to the Porcine Linkage Map. Genomics, 1993, 16, 431-439.	2.9	91

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73	Parallel adaptive evolution of geographically distant herring populations on both sides of the North Atlantic Ocean. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E3452-E3461.	7.1	87
74	A chromosome-level assembly of the Atlantic herring genomeâ€"detection of a supergene and other signals of selection. Genome Research, 2019, 29, 1919-1928.	5.5	84
75	Genetics of adaptation in modern chicken. PLoS Genetics, 2019, 15, e1007989.	3.5	81
76	Y Chromosome Uncovers the Recent Oriental Origin of Modern Stallions. Current Biology, 2017, 27, 2029-2035.e5.	3.9	75
77	Elevated Proportions of Deleterious Genetic Variation in Domestic Animals and Plants. Genome Biology and Evolution, 2018, 10, 276-290.	2.5	75
78	Evolution of the Neuropeptide Y Receptor Family: Gene and Chromosome Duplications Deduced from the Cloning and Mapping of the Five Receptor Subtype Genes in Pig. Genome Research, 2000, 10, 302-310.	5.5	74
79	Melanocortin Receptor Variants with Phenotypic Effects in Horse, Pig, and Chicken. Annals of the New York Academy of Sciences, 2003, 994, 313-318.	3.8	74
80	Worldwide frequency distribution of the â€˜<scp>G</scp>ait keeperâ€™ mutation in the <scp>DMRT</scp>3 gene. Animal Genetics, 2014, 45, 274-282.	1.7	74
81	The Dark brown plumage color in chickens is caused by an 8.3â€kb deletion upstream of SOX10. Pigment Cell and Melanoma Research, 2011, 24, 268-274.	3.3	73
82	The IGF2-intron3-G3072A substitution explains a major imprinted QTL effect on backfat thickness in a MeishanÃ—European white pig intercross. Genetical Research, 2004, 84, 95-101.	0.9	70
83	THE GENETIC ARCHITECTURE OF A FEMALE SEXUAL ORNAMENT. Evolution; International Journal of Organic Evolution, 2008, 62, 86-98.	2.3	68
84	Evolution ofMHC polymorphism: Extensive sharing of polymorphic sequence motifs between human and bovine DRB alleles. Immunogenetics, 1991, 33, 188-193.	2.4	67
85	A Sexual Ornament in Chickens Is Affected by Pleiotropic Alleles at HAO1 and BMP2, Selected during Domestication. PLoS Genetics, 2012, 8, e1002914.	3.5	63
86	Moderate nucleotide diversity in the Atlantic herring is associated with a low mutation rate. ELife, 2017, 6, .	6.0	63
87	cDNA sequence and chromosome localization of pig ?1,3 galactosyltransferase. Immunogenetics, 1995, 41, 101-5.	2.4	62
88	How selective sweeps in domestic animals provide new insight into biological mechanisms. Journal of Internal Medicine, 2012, 271, 1-14.	6.0	61
89	A cellular and functional split in the DRw8 haplotype is due to a single amino acid replacement (DR ?) Tj ETQq1 1 0.784314 rgBT /Ove	2.4	60
90	Regulatory mutations in TBX3 disrupt asymmetric hair pigmentation that underlies Dun camouflage color in horses. Nature Genetics, 2016, 48, 152-158.	21.4	59

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91	Recurrent convergent evolution at amino acid residue 261 in fish rhodopsin. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 18473-18478.	7.1	59
92	Avian Models with Spontaneous Autoimmune Diseases. Advances in Immunology, 2006, 92, 71-117.	2.2	58
93	Complex Inheritance of Melanoma and Pigmentation of Coat and Skin in Grey Horses. PLoS Genetics, 2013, 9, e1003248.	3.5	55
94	The mutation causing the black-and-tan pigmentation phenotype of Mangalitza pigs maps to the porcine ASIP locus but does not affect its coding sequence. Mammalian Genome, 2006, 17, 58-66.	2.2	54
95	BovineNK-lysin: Copy number variation and functional diversification. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E7223-9.	7.1	54
96	Generation of MHC Class II Diversity by Intra- and Intergenic Recombination. Immunological Reviews, 1995, 143, 5-12.	6.0	53
97	Changes in Exercise-Induced Gene Expression in 5'-AMP-Activated Protein Kinase Â3-Null and Â3 R225Q Transgenic Mice. Diabetes, 2005, 54, 3484-3489.	0.6	53
98	Haplotype Sharing Refines the Location of an Imprinted Quantitative Trait Locus With Major Effect on Muscle Mass to a 250-kb Chromosome Segment Containing the Porcine IGF2 Gene. Genetics, 2003, 165, 277-285.	2.9	53
99	Use of randomization testing to detect multiple epistatic QTLs. Genetical Research, 2002, 79, 175-184.	0.9	52
100	A Genomic Duplication is Associated with Ectopic Eomesodermin Expression in the Embryonic Chicken Comb and Two Duplex-comb Phenotypes. PLoS Genetics, 2015, 11, e1004947.	3.5	51
101	Correspondence on Lovell et al.: identification of chicken genes previously assumed to be evolutionarily lost. Genome Biology, 2017, 18, 112.	8.8	51
102	Ecological adaptation in Atlantic herring is associated with large shifts in allele frequencies at hundreds of loci. ELife, 2020, 9, .	6.0	51
103	A Simple Repeat Polymorphism in the MITF-M Promoter Is a Key Regulator of White Spotting in Dogs. PLoS ONE, 2014, 9, e104363.	2.5	50
104	Opposite Transcriptional Regulation in Skeletal Muscle of AMP-activated Protein Kinase Î³3 R225Q Transgenic Versus Knock-out Mice. Journal of Biological Chemistry, 2006, 281, 7244-7252.	3.4	49
105	Genetic variability in Atlantic herring (Clupea harengus harengus): description of protein loci and population data. Hereditas, 1981, 95, 69-78.	1.4	48
106	The ZBED6â€“IGF2 axis has a major effect on growth of skeletal muscle and internal organs in placental mammals. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E2048-E2057.	7.1	48
107	Gene duplications and sequence polymorphism of bovine class II DQB genes. Immunogenetics, 1992, 35, 205-13.	2.4	47
108	Genetic Regulation of Bone Metabolism in the Chicken: Similarities and Differences to Mammalian Systems. PLoS Genetics, 2015, 11, e1005250.	3.5	47

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109	A Sensitive Method for Detecting Variation in Copy Numbers of Duplicated Genes. Genome Research, 2003, 13, 2171-2177.	5.5	46
110	A second mutant allele (V199I) at the PRKAG3 (RN) locusâ€"II. Effect on colour characteristics of pork loin. Meat Science, 2004, 66, 621-627.	5.5	46
111	Mutations in or near the Transmembrane Domain Alter PMEL Amyloid Formation from Functional to Pathogenic. PLoS Genetics, 2011, 7, e1002286.	3.5	46
112	Molecular consequences of animal breeding. Current Opinion in Genetics and Development, 2013, 23, 295-301.	3.3	46
113	A second mutant allele (V199I) at the PRKAG3 (RN) locusâ€" I. Effect on technological meat quality of pork loin. Meat Science, 2004, 66, 609-619.	5.5	45
114	Changes in brain architecture are consistent with altered fear processing in domestic rabbits. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 7380-7385.	7.1	45
115	Structure and polymorphism of horse MHC class II DRB genes: convergent evolution in the antigen binding site. Immunogenetics, 1994, 39, 355-8.	2.4	44
116	Expression of different phenotypes in cell lines from canine mammary spindle-cell tumours and osteosarcomas indicating a pluripotent mammary stem cell origin. Breast Cancer Research and Treatment, 2000, 61, 197-210.	2.5	44
117	Structures on the I-A molecule predisposing for susceptibility to type II collagen-induced autoimmune arthritis. European Journal of Immunology, 1990, 20, 2127-2131.	2.9	43
118	Sexâ€linked barring in chickens is controlled by the CDKN2Aâ€Š/B tumour suppressor locus. Pigment Cell and Melanoma Research, 2010, 23, 521-530.	3.3	43
119	ZBED Evolution: Repeated Utilization of DNA Transposons as Regulators of Diverse Host Functions. PLoS ONE, 2013, 8, e59940.	2.5	43
120	Quantitative Trait Loci for BMD and Bone Strength in an Intercross Between Domestic and Wildtype Chickens. Journal of Bone and Mineral Research, 2007, 22, 375-384.	2.8	42
121	The Crest Phenotype in Chicken Is Associated with Ectopic Expression of HOXC8 in Cranial Skin. PLoS ONE, 2012, 7, e34012.	2.5	42
122	Studying Phenotypic Evolution in Domestic Animals: A Walk in the Footsteps of Charles Darwin. Cold Spring Harbor Symposia on Quantitative Biology, 2009, 74, 319-325.	1.1	41
123	A domestication related mutation in the thyroid stimulating hormone receptor gene (TSHR) modulates photoperiodic response and reproduction in chickens. General and Comparative Endocrinology, 2016, 228, 69-78.	1.8	40
124	Identification of a melanocyteâ€specific, microphthalmiaâ€associated transcription factorâ€dependent regulatory element in the intronic duplication causing hair greying and melanoma in horses. Pigment Cell and Melanoma Research, 2012, 25, 28-36.	3.3	38
125	Domestic animals as models for biomedical research. Upsala Journal of Medical Sciences, 2016, 121, 1-11.	0.9	38
126	Genetic factors have a major effect on growth, number of vertebrae and otolith shape in Atlantic herring (Clupea harengus). PLoS ONE, 2018, 13, e0190995.	2.5	38

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127	Sensory Ataxic Neuropathy in Golden Retriever Dogs Is Caused by a Deletion in the Mitochondrial tRNATyr Gene. PLoS Genetics, 2009, 5, e1000499.	3.5	37
128	Comparison of horse Chromosome 3 with donkey and human chromosomes by cross-species painting and heterologous FISH mapping. Mammalian Genome, 1999, 10, 277-282.	2.2	36
129	A Nonsense Mutation in the FMO3 Gene Underlies Fishy Off-Flavor in Cow's Milk. Genome Research, 2002, 12, 1885-1888.	5.5	36
130	Amelanism in the corn snake is associated with the insertion of an LTR-retrotransposon in the OCA2 gene. Scientific Reports, 2015, 5, 17118.	3.3	36
131	Reconstruction of the birth of a male sex chromosome present in Atlantic herring. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 24359-24368.	7.1	36
132	Multiple nuclear-replicating viruses require the stress-induced protein ZC3H11A for efficient growth. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E3808-E3816.	7.1	35
133	Asymmetric introgression reveals the genetic architecture of a plumage trait. Nature Communications, 2021, 12, 1019.	12.8	35
134	A Physically Anchored Linkage Map of Pig Chromosome 1 Uncovers Sex- and Position-Specific Recombination Rates. Genomics, 1994, 24, 342-350.	2.9	34
135	Copy number expansion of the STX17 duplication in melanoma tissue from Grey horses. BMC Genomics, 2012, 13, 365.	2.8	34
136	The receptor locus for Escherichia coli F4ab/F4ac in the pig maps distal to the MUC4â€“LMLN region. Mammalian Genome, 2011, 22, 122-129.	2.2	33
137	Mitogenomic analysis of a 50-generation chicken pedigree reveals a rapid rate of mitochondrial evolution and evidence for paternal mtDNA inheritance. Biology Letters, 2015, 11, .	2.3	33
138	Comparative omics and feeding manipulations in chicken indicate a shift of the endocrine role of visceral fat towards reproduction. BMC Genomics, 2018, 19, 295.	2.8	33
139	A missense mutation in TYRP1 causes the chocolate plumage color in chicken and alters melanosome structure. Pigment Cell and Melanoma Research, 2019, 32, 381-390.	3.3	32
140	A Chromosome-Level Assembly of Blunt Snout Bream (Megalobrama amblycephala) Genome Reveals an Expansion of Olfactory Receptor Genes in Freshwater Fish. Molecular Biology and Evolution, 2021, 38, 4238-4251.	8.9	32
141	Concerted evolution in a segment of the first domain exon of polymorphic MHC class II ? loci. Immunogenetics, 1991, 33, 235-42.	2.4	30
142	Conserved Synteny between Pig Chromosome 8 and Human Chromosome 4 but Rearranged and Distorted Linkage Maps. Genomics, 1993, 17, 599-603.	2.9	30
143	Plumage Color and Feather Peckingâ€"Behavioral Differences Associated with PMEL17 Genotypes in Chicken (Gallus gallus). Behavior Genetics, 2007, 37, 399-407.	2.1	30
144	Dominant Red Coat Color in Holstein Cattle Is Associated with a Missense Mutation in the Coatomer Protein Complex, Subunit Alpha (COPA) Gene. PLoS ONE, 2015, 10, e0128969.	2.5	30

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145	Adaptive radiation of Darwin's finches revisited using whole genome sequencing. BioEssays, 2016, 38, 14-20.	2.5	30
146	Dwarfism and Altered Craniofacial Development in Rabbits Is Caused by a 12.1 kb Deletion at the HMGA2 Locus. Genetics, 2017, 205, 955-965.	2.9	30
147	A genomic map of clinal variation across the European rabbit hybrid zone. Molecular Ecology, 2018, 27, 1457-1478.	3.9	30
148	Ecological adaptation in European eels is based on phenotypic plasticity. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	30
149	Complete sequences of DQA1 and DQB1 cDNA clones corresponding to the DQw4 specificity. Immunogenetics, 1989, 30, 232-234.	2.4	29
150	Large Deletions at the SHOX Locus in the Pseudoautosomal Region Are Associated with Skeletal Atavism in Shetland Ponies. G3: Genes, Genomes, Genetics, 2016, 6, 2213-2223.	1.8	29
151	The evolution of Sex-linked barring alleles in chickens involves both regulatory and coding changes in CDKN2A. PLoS Genetics, 2017, 13, e1006665.	3.5	29
152	GENETIC LINKAGE IN THE HORSE. II. DISTRIBUTION OF MALE RECOMBINATION ESTIMATES AND THE INFLUENCE OF AGE, BREED AND SEX ON RECOMBINATION FREQUENCY. Genetics, 1984, 106, 109-122.	2.9	29
153	Analysis of class II genes of the chicken MHC (B) by use of human DNA probes. Immunogenetics, 1987, 26, 79-84.	2.4	28
154	A cis-Regulatory Mutation of PDSS2 Causes Silky-Feather in Chickens. PLoS Genetics, 2014, 10, e1004576.	3.5	28
155	Structure and organization of pigMHC class IIDRB genes: evidence for genetic exchange between loci. Immunogenetics, 1996, 44, 1-8.	2.4	27
156	Sonic Hedgehog-Signalling Patterns the Developing Chicken Comb as Revealed by Exploration of the Pea-comb Mutation. PLoS ONE, 2012, 7, e50890.	2.5	27
157	Avian Expression Patterns and Genomic Mapping Implicate Leptin in Digestion and TNF Signaling, Suggesting that Their Interacting Adipokine Role is Unique to Mammals. International Journal of Molecular Sciences, 2019, 20, 4489.	4.1	27
158	The influence of RN genotype, including the new V199I allele, on the eating quality of pork loin. Meat Science, 2003, 65, 1341-1351.	5.5	26
159	Refined localization of the FAT1 quantitative trait locus on pig chromosome 4 by marker-assisted backcrossing. BMC Genetics, 2006, 7, 17.	2.7	26
160	Transcriptional modulator ZBED6 affects cell cycle and growth of human colorectal cancer cells. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 7743-7748.	7.1	26
161	High-resolution comparative mapping of pig Chromosome 4, emphasizing the FAT1 region. Mammalian Genome, 2004, 15, 717-731.	2.2	25
162	Transcription factor ZBED6 affects gene expression, proliferation, and cell death in pancreatic beta cells. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 15997-16002.	7.1	25

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163	When pigs fly, UCP1 makes heat. Molecular Metabolism, 2015, 4, 359-362.	6.5	25
164	Exploring a Poolâ€seqâ€only approach for gaining population genomic insights in nonmodel species. Ecology and Evolution, 2019, 9, 11448-11463.	1.9	23
165	Assignment of the dipeptidylpeptidase IV (DPP4) gene to pig Chromosome 15q21. Mammalian Genome, 1993, 4, 604-607.	2.2	22
166	The estimation of blood group gene frequencies: a note on the allocation method. Animal Blood Groups and Biochemical Genetics, 2009, 16, 1-7.	0.0	22
167	Mutations Upstream of the TBX5 and PITX1 Transcription Factor Genes Are Associated with Feathered Legs in the Domestic Chicken. Molecular Biology and Evolution, 2020, 37, 2477-2486.	8.9	22
168	The single DR ? gene of the DRw8 haplotype is closely related to the DR ? 3III gene encoding DRw52. Immunogenetics, 1988, 28, 1-5.	2.4	21
169	Female-biased gene flow between two species of Darwinâ€™s finches. Nature Ecology and Evolution, 2020, 4, 979-986.	7.8	21
170	The Effect of a Mutation in the Thyroid Stimulating Hormone Receptor (TSHR) on Development, Behaviour and TH Levels in Domesticated Chickens. PLoS ONE, 2015, 10, e0129040.	2.5	21
171	Comparative Analysis of a BAC Contig of the Porcine RN Region and the Human Transcript Map: Implications for the Cloning of Trait Loci. Genomics, 2001, 72, 297-303.	2.9	20
172	IGF2 antisense transcript expression in porcine postnatal muscle is affected by a quantitative trait nucleotide in intron 3. Genomics, 2004, 84, 1021-1029.	2.9	20
173	Differential gene expression in femoral bone from red junglefowl and domestic chicken, differing for bone phenotypic traits. BMC Genomics, 2007, 8, 208.	2.8	20
174	A novelMC1Rallele for black coat colour reveals the Polynesian ancestry and hybridization patterns of Hawaiian feral pigs. Royal Society Open Science, 2016, 3, 160304.	2.4	19
175	The origin of ambling horses. Current Biology, 2016, 26, R697-R699.	3.9	19
176	ZBED6 Modulates the Transcription of Myogenic Genes in Mouse Myoblast Cells. PLoS ONE, 2014, 9, e94187.	2.5	19
177	Molecular genetic variation of animals and plants under domestication. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	19
178	ZBED6. Transcription, 2010, 1, 144-148.	3.1	18
179	Rapid adaptive radiation of Darwinâ€™s finches depends on ancestral genetic modules. Science Advances, 2022, 8, .	10.3	18
180	Differentially expressed genes in hypothalamus in relation to genomic regions under selection in two chicken lines resulting from divergent selection for high or low body weight. Neurogenetics, 2011, 12, 211-221.	1.4	17

#	Article	IF	Citations
181	Brain Transcriptomics of Wild and Domestic Rabbits Suggests That Changes in Dopamine Signaling and Ciliary Function Contributed to Evolution of Tameness. Genome Biology and Evolution, 2020, 12, 1918-1928.	2.5	17
182	Genetic linkage in the horse. Hereditas, 2008, 100, 199-208.	1.4	16
183	The crest phenotype in domestic chicken is caused by a 195 bp duplication in the intron of HOXC10. G3: Genes, Genomes, Genetics, 2021, 11, .	1.8	16
184	A large linkage group on pig chromosome 7 including the MHC class I, class II (DQB), and class III (TNFB) genes. Immunogenetics, 1993, 38, 363-6.	2.4	15
185	Mapping loci causing susceptibility to anal atresia in pigs, using a resource pedigree. Journal of Pediatric Surgery, 2001, 36, 1370-1374.	1.6	15
186	Quantitative Trait Locus and Genetical Genomics Analysis Identifies Putatively Causal Genes for Fecundity and Brooding in the Chicken. G3: Genes, Genomes, Genetics, 2016, 6, 311-319.	1.8	15
187	ZBED6 negatively regulates insulin production, neuronal differentiation, and cell aggregation in MIN6 cells. FASEB Journal, 2019, 33, 88-100.	0.5	15
188	Characterization of the endogenous retrovirus insertion in CYP19A1 associated with henny feathering in chicken. Mobile DNA, 2019, 10, 38.	3.6	15
189	Modelling of genetic interactions improves prediction of hybrid patterns â€“ a case study in domestic fowl. Genetical Research, 2012, 94, 255-266.	0.9	14
190	Expression of carnitine palmitoyl-CoA transferase-1B is influenced by a cis-acting eQTL in two chicken lines selected for high and low body weight. Physiological Genomics, 2013, 45, 367-376.	2.3	14
191	Candidate genes underlying heritable differences in reproductive seasonality between wild and domestic rabbits. Animal Genetics, 2015, 46, 418-425.	1.7	14
192	Duplication of chicken defensin7 gene generated by gene conversion and homologous recombination. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 13815-13820.	7.1	14
193	The evolutionary history of the DMRT3 â€˜Gait keeperâ€™ haplotype. Animal Genetics, 2017, 48, 551-559.	1.7	14
194	A multispecies BCO2 beak color polymorphism in the Darwinâ€™s finch radiation. Current Biology, 2021, 31, 5597-5604.e7.	3.9	14
195	Linkage of the equine serum esterase (Es) and mitochondrial glutamate oxaloacetate transaminase (GOTM) loci. Journal of Heredity, 1983, 74, 361-364.	2.4	13
196	Assignment of the bovine immunoglobulin gamma heavy chain (IGHG) gene to chromosome 21q24 by in situ hybridization. Hereditas, 2008, 117, 237-240.	1.4	13
197	DifferentDMRT3Genotypes Are Best Adapted for Harness Racing and Riding in Finnhorses. Journal of Heredity, 2015, 106, esv062.	2.4	13
198	A potential regulatory region near the EDN3 gene may control both harness racing performance and coat color variation in horses. Physiological Reports, 2018, 6, e13700.	1.7	13

#	Article	IF	Citations
199	Effect of exercise on proglycogen and macroglycogen content in skeletal muscles of pigs with the Rendement Napole mutation. American Journal of Veterinary Research, 2005, 66, 1197-1201.	0.6	12
200	Identification and validation of genetic variants predictive of gait in standardbred horses. PLoS Genetics, 2019, 15, e1008146.	3.5	12
201	The importance of the ZBED6â€IGF2 axis for metabolic regulation in mouse myoblast cells. FASEB Journal, 2020, 34, 10250-10266.	0.5	12
202	A combination of genetic and phenotypic characterization of spring- and autumn-spawning herring suggests gene flow between populations. ICES Journal of Marine Science, 2021, 78, 694-703.	2.5	12
203	ZBED6 counteracts high-fat diet-induced glucose intolerance by maintaining beta cell area and reducing excess mitochondrial activation. Diabetologia, 2021, 64, 2292-2305.	6.3	12
204	Hmga2 deficiency is associated with allometric growth retardation, infertility, and behavioral abnormalities in mice. G3: Genes, Genomes, Genetics, 2022, 12, .	1.8	12
205	A radiation hybrid map of the RN region in pigs demonstrates conserved gene order compared with the human and mouse genomes. Mammalian Genome, 1999, 10, 565-568.	2.2	11
206	SCREENING AND SCANNING OF SINGLE NUCLEOTIDE POLYMORPHISMS IN THE PIG MELANOCORTIN 1 RECEPTOR GENE (MC1R) BY PYROSEQUENCING. Animal Biotechnology, 2001, 12, 145-153.	1.5	11
207	Growth patterns for three generations of an intercross between red junglefowl and chickens selected for low body weight. Journal of Animal Breeding and Genetics, 2018, 135, 300-310.	2.0	11
208	Structure and organization of pig MHC class II DRB genes: evidence for genetic exchange between loci. Immunogenetics, 1996, 44, 1-8.	2.4	11
209	A loss-of-function mutation in RORB disrupts saltatorial locomotion in rabbits. PLoS Genetics, 2021, 17, e1009429.	3.5	10
210	Genomics Meets Ethology: A New Route to Understanding Domestication, Behavior, and Sustainability in Animal Breeding. Ambio, 2005, 34, 320.	5.5	10
211	Genetic analysis of anal atresia in pigs: evidence for segregation at two main loci. Mammalian Genome, 2005, 16, 164-170.	2.2	9
212	Lack of significant associations with early career performance suggest no link between the DMRT3 â€œGait Keeperâ€•mutation and precocity in Coldblooded trotters. PLoS ONE, 2017, 12, e0177351.	2.5	9
213	Porcine ZBED6 regulates growth of skeletal muscle and internal organs via multiple targets. PLoS Genetics, 2021, 17, e1009862.	3.5	9
214	Parsimony Analysis of Mammalian Class II Histocompatibility Genes. Immunological Reviews, 1990, 113, 187-206.	6.0	8
215	A comparison of the association between large haplotype blocks under selection and the presence/absence of inversions. Ecology and Evolution, 2019, 9, 4888-4896.	1.9	8
216	Xenoduplex Analysisâ€”A Method for Comparative Gene Mapping Using Hybridâ€‰Panels. Genome Research, 1998, 8, 399-403.	5.5	7

#	Article	IF	Citations
217	Construction of a high-resolution RH map of the human 2q35 region on TNG panel and comparison with a physical map of the porcine homologous region 15q25. Mammalian Genome, 2001, 12, 380-386.	2.2	7
218	The feather pattern autosomal barring in chicken is strongly associated with segregation at the MC1R locus. Pigment Cell and Melanoma Research, 2021, 34, 1015-1028.	3.3	6
219	Gregor Johann Mendel and the development of modern evolutionary biology. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	6
220	Expression Analysis of Growth and Energy Regulation-Associated Genes in Two Divergent Chicken Strains. Annals of the New York Academy of Sciences, 2005, 1040, 357-359.	3.8	5
221	Mapping QTL affecting a systemic sclerosis-like disorder in a cross between UCD-200 and red jungle fowl chickens. Developmental and Comparative Immunology, 2012, 38, 352-359.	2.3	5
222	Knock-down of ZBED6 in insulin-producing cells promotes N-cadherin junctions between beta-cells and neural crest stem cells in vitro. Scientific Reports, 2016, 6, 19006.	3.3	5
223	Functional differences between TSHR alleles associate with variation in spawning season in Atlantic herring. Communications Biology, 2021, 4, 795.	4.4	5
224	ZBED6 regulates Igf2 expression partially through its regulation of miR483 expression. Scientific Reports, 2021, 11, 19484.	3.3	5
225	Genetic analysis of metabolic traits in an intercross between body weight-selected chicken lines. Physiological Genomics, 2010, 42, 20-22.	2.3	4
226	Structure and Characterization of Phosphoglucomutase 5 from Atlantic and Baltic Herringâ€”An Inactive Enzyme with Intact Substrate Binding. Biomolecules, 2020, 10, 1631.	4.0	4
227	The genetic basis for pigmentation phenotypes in poultry. Burleigh Dodds Series in Agricultural Science, 2020, , 67-106.	0.2	4
228	The Structure of Human MHC Class II Genes. Autoimmunity, 1991, 8, 237-244.	2.6	3
229	Genetic variation of haemoglobin Î±â€ and Î²chains in rabbits detected by iso electric focusing and reversedâ€phase chromatography. Animal Blood Groups and Biochemical Genetics, 1985, 16, 41-50.	0.0	3
230	Detecting selection. Nature, 2013, 495, 325-326.	27.8	3
231	Mutations in Domestic Animals Disrupting or Creating Pigmentation Patterns. Frontiers in Ecology and Evolution, 2020, 8, .	2.2	3
232	Cis -acting mutation affecting GJA5 transcription is underlying the Melanotic within-feather pigmentation pattern in chickens. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	3
233	Genetics of Animal Domestication. , 2012, , 260-274.		2
234	Comparison of Otolith Microstructure of Herring Larvae and Sibling Adults Reared Under Identical Early Life Conditions. Frontiers in Marine Science, 2020, 7, .	2.5	2

#	Article	IF	Citations
235	Hop Mice Display Synchronous Hindlimb Locomotion and a Ventrally Fused Lumbar Spinal Cord Caused by a Point Mutation in Ttc26. ENeuro, 2022, 9, ENEURO.0518-21.2022.	1.9	2
236	Structure of porcine MHC class II DRB genes. Immunogenetics, 1993, 37, 312-4.	2.4	1
237	Identification of a mutation in the low density lipoprotein receptor gene associated with recessive familial hypercholesterolemia in swine. , 1998, 76, 379.		1
238	Farm animals. , 2005, , .		0
239	Fisherâ€™s quantitative genetic model and the molecular genetics of multifactorial traits. Journal of Animal Breeding and Genetics, 2018, 135, 391-392.	2.0	0
240	Glucose Tolerance and Plasma Non-Esterified Fatty Acid Levels in Chickens Selected for Low Body Weight, Red Junglefowl, and their Reciprocal Cross. Journal of Poultry Science, 2019, 56, 245-252.	1.6	0
241	POSITIONAL IDENTIFICATION OF STRUCTURAL AND REGULATORY QTN IN LIVESTOCK. Journal of Animal Genetics, 2003, 31, 16-17.	0.1	0
242	How domestic animal genomics can teach human medicine and evolutionary biology. EMBnet Journal, 2013, 19, 8.	0.6	0