Leif Andersson

List of Publications by Year
in descending order

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242	23,975	9756	9073
papers	citations	73 h-index	144 g-index

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

#	Article	IF	Citations
1	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.	0.9	2
2	Hmga2 deficiency is associated with allometric growth retardation, infertility, and behavioral abnormalities in mice. G3: Genes, Genomes, Genetics, 2022, 12, .	0.8	12
3	Molecular genetic variation of animals and plants under domestication. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	3.3	19
4	Rapid adaptive radiation of Darwinâ€™s finches depends on ancestral genetic modules. Science Advances, 2022, 8, .	4.7	18
5	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, .	3.3	6
6	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.	1.2	12
7	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, .	3.3	30
8	Asymmetric introgression reveals the genetic architecture of a plumage trait. Nature Communications, 2021, 12, 1019.	5.8	35
9	A loss-of-function mutation in RORB disrupts saltatorial locomotion in rabbits. PLoS Genetics, 2021, 17, e1009429.	1.5	10
10	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.	3.5	32
11	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.	1.5	6
12	Functional differences between TSHR alleles associate with variation in spawning season in Atlantic herring. Communications Biology, 2021, 4, 795.	2.0	5
13	ZBED6 counteracts high-fat diet-induced glucose intolerance by maintaining beta cell area and reducing excess mitochondrial activation. Diabetologia, 2021, 64, 2292-2305.	2.9	12
14	ZBED6 regulates Igf2 expression partially through its regulation of miR483 expression. Scientific Reports, 2021, 11, 19484.	1.6	5
15	The crest phenotype in domestic chicken is caused by a 195 bp duplication in the intron of HOXC10. G3: Genes, Genomes, Genetics, 2021, 11, .	0.8	16
16	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, .	3.3	3
17	Porcine ZBED6 regulates growth of skeletal muscle and internal organs via multiple targets. PLoS Genetics, 2021, 17, e1009862.	1.5	9
18	A multispecies BCO2 beak color polymorphism in the Darwinâ€™s finch radiation. Current Biology, 2021, 31, 5597-5604.e7.	1.8	14

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19	Comparison of Otolith Microstructure of Herring Larvae and Sibling Adults Reared Under Identical Early Life Conditions. Frontiers in Marine Science, 2020, 7, .	1.2	2
20	The importance of the ZBED6â€“IGF2 axis for metabolic regulation in mouse myoblast cells. FASEB Journal, 2020, 34, 10250-10266.	0.2	12
21	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.	3.3	36
22	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.	1.1	17
23	Structure and Characterization of Phosphoglucomutase 5 from Atlantic and Baltic Herringâ€”An Inactive Enzyme with Intact Substrate Binding. Biomolecules, 2020, 10, 1631.	1.8	4
24	Female-biased gene flow between two species of Darwinâ€™s finches. Nature Ecology and Evolution, 2020, 4, 979-986.	3.4	21
25	Mutations in Domestic Animals Disrupting or Creating Pigmentation Patterns. Frontiers in Ecology and Evolution, 2020, 8, .	1.1	3
26	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.	3.5	22
27	The genetic basis for pigmentation phenotypes in poultry. Burleigh Dodds Series in Agricultural Science, 2020, , 67-106.	0.1	4
28	Ecological adaptation in Atlantic herring is associated with large shifts in allele frequencies at hundreds of loci. ELife, 2020, 9, .	2.8	51
29	ZBED6 negatively regulates insulin production, neuronal differentiation, and cell aggregation in MIN6 cells. FASEB Journal, 2019, 33, 88-100.	0.2	15
30	A chromosome-level assembly of the Atlantic herring genomeâ€”detection of a supergene and other signals of selection. Genome Research, 2019, 29, 1919-1928.	2.4	84
31	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.	1.8	27
32	Characterization of the endogenous retrovirus insertion in CYP19A1 associated with henny feathering in chicken. Mobile DNA, 2019, 10, 38.	1.3	15
33	Identification and validation of genetic variants predictive of gait in standardbred horses. PLoS Genetics, 2019, 15, e1008146.	1.5	12
34	Genetics of adaptation in modern chicken. PLoS Genetics, 2019, 15, e1007989.	1.5	81
35	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.	0.7	0
36	A comparison of the association between large haplotype blocks under selection and the presence/absence of inversions. Ecology and Evolution, 2019, 9, 4888-4896.	0.8	8

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37	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.	3.3	163
38	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.	3.3	59
39	Exploring a Poolâ€seqâ€only approach for gaining population genomic insights in nonmodel species. Ecology and Evolution, 2019, 9, 11448-11463.	0.8	23
40	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.	1.5	32
41	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.	3.3	35
42	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.	3.3	48
43	A genomic map of clinal variation across the European rabbit hybrid zone. Molecular Ecology, 2018, 27, 1457-1478.	2.0	30
44	Elevated Proportions of Deleterious Genetic Variation in Domestic Animals and Plants. Genome Biology and Evolution, 2018, 10, 276-290.	1.1	75
45	Rapid hybrid speciation in Darwinâ€™s finches. Science, 2018, 359, 224-228.	6.0	327
46	Fisherâ€™s quantitative genetic model and the molecular genetics of multifactorial traits. Journal of Animal Breeding and Genetics, 2018, 135, 391-392.	0.8	0
47	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.	0.7	13
48	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.	3.3	45
49	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.	0.8	11
50	Comparative omics and feeding manipulations in chicken indicate a shift of the endocrine role of visceral fat towards reproduction. BMC Genomics, 2018, 19, 295.	1.2	33
51	Genetic factors have a major effect on growth, number of vertebrae and otolith shape in Atlantic herring (Clupea harengus). PLoS ONE, 2018, 13, e0190995.	1.1	38
52	Gene flow, ancient polymorphism, and ecological adaptation shape the genomic landscape of divergence among Darwin's finches. Genome Research, 2017, 27, 1004-1015.	2.4	152
53	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.	3.3	87
54	Dwarfism and Altered Craniofacial Development in Rabbits Is Caused by a 12.1 kb Deletion at the HMGA2 Locus. Genetics, 2017, 205, 955-965.	1.2	30

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55	Correspondence on Lovell et al.: identification of chicken genes previously assumed to be evolutionarily lost. Genome Biology, 2017, 18, 112.	3.8	51
56	Y Chromosome Uncovers the Recent Oriental Origin of Modern Stallions. Current Biology, 2017, 27, 2029-2035.e5.	1.8	75
57	Moderate nucleotide diversity in the Atlantic herring is associated with a low mutation rate. ELife, 2017, 6, .	2.8	63
58	The evolutionary history of the DMRT3 â€˜Gait keeperâ€™ haplotype. Animal Genetics, 2017, 48, 551-559.	0.6	14
59	The evolution of Sex-linked barring alleles in chickens involves both regulatory and coding changes in CDKN2A. PLoS Genetics, 2017, 13, e1006665.	1.5	29
60	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.	1.1	9
61	The genetic basis for ecological adaptation of the Atlantic herring revealed by genome sequencing. ELife, 2016, 5, .	2.8	143
62	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.	3.3	14
63	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.	0.8	29
64	Genetic Basis for Red Coloration in Birds. Current Biology, 2016, 26, 1427-1434.	1.8	192
65	A beak size locus in Darwinâ€™s finches facilitated character displacement during a drought. Science, 2016, 352, 470-474.	6.0	206
66	A novelMC1Rallele for black coat colour reveals the Polynesian ancestry and hybridization patterns of Hawaiian feral pigs. Royal Society Open Science, 2016, 3, 160304.	1.1	19
67	The origin of ambling horses. Current Biology, 2016, 26, R697-R699.	1.8	19
68	Adaptive radiation of Darwin's finches revisited using whole genome sequencing. BioEssays, 2016, 38, 14-20.	1.2	30
69	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.	1.6	5
70	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.	0.8	15
71	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.	1.4	103
72	Domestic animals as models for biomedical research. Upsala Journal of Medical Sciences, 2016, 121, 1-11.	0.4	38

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73	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.	0.8	40
74	Regulatory mutations in TBX3 disrupt asymmetric hair pigmentation that underlies Dun camouflage color in horses. Nature Genetics, 2016, 48, 152-158.	9.4	59
75	Structural genomic changes underlie alternative reproductive strategies in the ruff (Philomachus) Tj ETQq1 1 0.784314 rgBT /Overloc	9.4	340
76	Amelanism in the corn snake is associated with the insertion of an LTR-retrotransposon in the OCA2 gene. Scientific Reports, 2015, 5, 17118.	1.6	36
77	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, .	1.0	33
78	Candidate genes underlying heritable differences in reproductive seasonality between wild and domestic rabbits. Animal Genetics, 2015, 46, 418-425.	0.6	14
79	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.	3.3	54
80	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.	1.1	30
81	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.	3.3	26
82	DifferentDMRT3Genotypes Are Best Adapted for Harness Racing and Riding in Finnhorses. Journal of Heredity, 2015, 106, esv062.	1.0	13
83	Evolution of Darwinâ€™s finches and their beaks revealed by genome sequencing. Nature, 2015, 518, 371-375.	13.7	766
84	Genetic Regulation of Bone Metabolism in the Chicken: Similarities and Differences to Mammalian Systems. PLoS Genetics, 2015, 11, e1005250.	1.5	47
85	A Genomic Duplication is Associated with Ectopic Eomesodermin Expression in the Embryonic Chicken Comb and Two Duplex-comb Phenotypes. PLoS Genetics, 2015, 11, e1004947.	1.5	51
86	Coordinated international action to accelerate genome-to-phenome with FAANG, the Functional Annotation of Animal Genomes project. Genome Biology, 2015, 16, 57.	3.8	331
87	When pigs fly, UCP1 makes heat. Molecular Metabolism, 2015, 4, 359-362.	3.0	25
88	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.	1.1	21
89	A Simple Repeat Polymorphism in the MITF-M Promoter Is a Key Regulator of White Spotting in Dogs. PLoS ONE, 2014, 9, e104363.	1.1	50
90	A cis-Regulatory Mutation of PDSS2 Causes Silky-Feather in Chickens. PLoS Genetics, 2014, 10, e1004576.	1.5	28

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91	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.	3.3	260
92	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.	0.6	74
93	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.	3.3	103
94	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.	3.3	594
95	Rabbit genome analysis reveals a polygenic basis for phenotypic change during domestication. Science, 2014, 345, 1074-1079.	6.0	343
96	ZBED6 Modulates the Transcription of Myogenic Genes in Mouse Myoblast Cells. PLoS ONE, 2014, 9, e94187.	1.1	19
97	Molecular consequences of animal breeding. Current Opinion in Genetics and Development, 2013, 23, 295-301.	1.5	46
98	Detecting selection. Nature, 2013, 495, 325-326.	13.7	3
99	Recalibrating Equus evolution using the genome sequence of an early Middle Pleistocene horse. Nature, 2013, 499, 74-78.	13.7	717
100	Complex Inheritance of Melanoma and Pigmentation of Coat and Skin in Grey Horses. PLoS Genetics, 2013, 9, e1003248.	1.5	55
101	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.	3.3	25
102	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.	1.0	14
103	ZBED Evolution: Repeated Utilization of DNA Transposons as Regulators of Diverse Host Functions. PLoS ONE, 2013, 8, e59940.	1.1	43
104	How domestic animal genomics can teach human medicine and evolutionary biology. EMBnet Journal, 2013, 19, 8.	0.2	0
105	The Rose-comb Mutation in Chickens Constitutes a Structural Rearrangement Causing Both Altered Comb Morphology and Defective Sperm Motility. PLoS Genetics, 2012, 8, e1002775.	1.5	112
106	A Sexual Ornament in Chickens Is Affected by Pleiotropic Alleles at HAO1 and BMP2, Selected during Domestication. PLoS Genetics, 2012, 8, e1002914.	1.5	63
107	Modelling of genetic interactions improves prediction of hybrid patterns â€“ a case study in domestic fowl. Genetical Research, 2012, 94, 255-266.	0.3	14
108	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.	3.3	412

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109	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.	3.3	548
110	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.	3.3	217
111	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.	1.5	38
112	Mutations in DMRT3 affect locomotion in horses and spinal circuit function in mice. Nature, 2012, 488, 642-646.	13.7	364
113	Copy number expansion of the STX17 duplication in melanoma tissue from Grey horses. BMC Genomics, 2012, 13, 365.	1.2	34
114	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.	1.0	5
115	Sonic Hedgehog-Signalling Patterns the Developing Chicken Comb as Revealed by Exploration of the Pea-comb Mutation. PLoS ONE, 2012, 7, e50890.	1.1	27
116	Genetics of Animal Domestication. , 2012, , 260-274.		2
117	How selective sweeps in domestic animals provide new insight into biological mechanisms. Journal of Internal Medicine, 2012, 271, 1-14.	2.7	61
118	The Crest Phenotype in Chicken Is Associated with Ectopic Expression of HOXC8 in Cranial Skin. PLoS ONE, 2012, 7, e34012.	1.1	42
119	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.	1.5	73
120	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.	1.5	118
121	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.	0.7	17
122	The receptor locus for Escherichia coli F4ab/F4ac in the pig maps distal to the MUC4â€“LMLN region. Mammalian Genome, 2011, 22, 122-129.	1.0	33
123	Inactivation of Pmel Alters Melanosome Shape But Has Only a Subtle Effect on Visible Pigmentation. PLoS Genetics, 2011, 7, e1002285.	1.5	108
124	Mutations in or near the Transmembrane Domain Alter PMEL Amyloid Formation from Functional to Pathogenic. PLoS Genetics, 2011, 7, e1002286.	1.5	46
125	A Complex Genomic Rearrangement Involving the Endothelin 3 Locus Causes Dermal Hyperpigmentation in the Chicken. PLoS Genetics, 2011, 7, e1002412.	1.5	139
126	Whole-genome resequencing reveals loci under selection during chicken domestication. Nature, 2010, 464, 587-591.	13.7	985

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127	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.	3.3	279
128	Genetic analysis of metabolic traits in an intercross between body weight-selected chicken lines. Physiological Genomics, 2010, 42, 20-22.	1.0	4
129	ZBED6. Transcription, 2010, 1, 144-148.	1.7	18
130	Sexâ€linked barring in chickens is controlled by the CDKN2Aâ€Š/B tumour suppressor locus. Pigment Cell and Melanoma Research, 2010, 23, 521-530.	1.5	43
131	A high-density SNP-based linkage map of the chicken genome reveals sequence features correlated with recombination rate. Genome Research, 2009, 19, 510-519.	2.4	261
132	Copy Number Variation in Intron 1 of SOX5 Causes the Pea-comb Phenotype in Chickens. PLoS Genetics, 2009, 5, e1000512.	1.5	219
133	Contrasting Mode of Evolution at a Coat Color Locus in Wild and Domestic Pigs. PLoS Genetics, 2009, 5, e1000341.	1.5	211
134	ZBED6, a Novel Transcription Factor Derived from a Domesticated DNA Transposon Regulates IGF2 Expression and Muscle Growth. PLoS Biology, 2009, 7, e1000256.	2.6	149
135	Genetic Architecture of Tameness in a Rat Model of Animal Domestication. Genetics, 2009, 182, 541-554.	1.2	111
136	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
137	Genome-wide association analysis in domestic animals: a powerful approach for genetic dissection of trait loci. Genetica, 2009, 136, 341-349.	0.5	105
138	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.	2.0	41
139	Sensory Ataxic Neuropathy in Golden Retriever Dogs Is Caused by a Deletion in the Mitochondrial tRNATyr Gene. PLoS Genetics, 2009, 5, e1000499.	1.5	37
140	THE GENETIC ARCHITECTURE OF A FEMALE SEXUAL ORNAMENT. Evolution; International Journal of Organic Evolution, 2008, 62, 86-98.	1.1	68
141	A cis-acting regulatory mutation causes premature hair graying and susceptibility to melanoma in the horse. Nature Genetics, 2008, 40, 1004-1009.	9.4	271
142	Genetic linkage in the horse. Hereditas, 2008, 100, 199-208.	0.5	16
143	Assignment of the bovine immunoglobulin gamma heavy chain (IGHG) gene to chromosome 21q24 by in situ hybridization. Hereditas, 2008, 117, 237-240.	0.5	13
144	Identification of the Yellow Skin Gene Reveals a Hybrid Origin of the Domestic Chicken. PLoS Genetics, 2008, 4, e1000010.	1.5	399

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145	Mutations in SLC45A2 Cause Plumage Color Variation in Chicken and Japanese Quail. Genetics, 2007, 175, 867-877.	1.2	141
146	Efficient mapping of mendelian traits in dogs through genome-wide association. Nature Genetics, 2007, 39, 1321-1328.	9.4	474
147	Duplication of FGF3, FGF4, FGF19 and ORAOV1 causes hair ridge and predisposition to dermoid sinus in Ridgeback dogs. Nature Genetics, 2007, 39, 1318-1320.	9.4	176
148	Differential gene expression in femoral bone from red junglefowl and domestic chicken, differing for bone phenotypic traits. BMC Genomics, 2007, 8, 208.	1.2	20
149	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.	3.1	42
150	Plumage Color and Feather Peckingâ€"Behavioral Differences Associated with PMEL17 Genotypes in Chicken (Gallus gallus). Behavior Genetics, 2007, 37, 399-407.	1.4	30
151	QTL analysis of body composition and metabolic traits in an intercross between chicken lines divergently selected for growth. Physiological Genomics, 2006, 25, 216-223.	1.0	93
152	Refined localization of the FAT1 quantitative trait locus on pig chromosome 4 by marker-assisted backcrossing. BMC Genetics, 2006, 7, 17.	2.7	26
153	A missense mutation in PMEL17 is associated with the Silver coat color in the horse. BMC Genetics, 2006, 7, 46.	2.7	139
154	Epistasis and the release of genetic variation during long-term selection. Nature Genetics, 2006, 38, 418-420.	9.4	278
155	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.	1.0	54
156	AMPK-Mediated AS160 Phosphorylation in Skeletal Muscle Is Dependent on AMPK Catalytic and Regulatory Subunits. Diabetes, 2006, 55, 2051-2058.	0.3	239
157	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.	1.5	134
158	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.	1.2	121
159	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.	1.6	49
160	Avian Models with Spontaneous Autoimmune Diseases. Advances in Immunology, 2006, 92, 71-117.	1.1	58
161	Farm animals. , 2005, , .		0
162	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.	0.3	12

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163	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.	0.3	99
164	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.	1.8	5
165	Genetic analysis of anal atresia in pigs: evidence for segregation at two main loci. Mammalian Genome, 2005, 16, 164-170.	1.0	9
166	Changes in Exercise-Induced Gene Expression in 5'-AMP-Activated Protein Kinase Â3-Null and Â3 R225Q Transgenic Mice. Diabetes, 2005, 54, 3484-3489.	0.3	53
167	Worldwide Phylogeography of Wild Boar Reveals Multiple Centers of Pig Domestication. Science, 2005, 307, 1618-1621.	6.0	729
168	Genomics meets ethology: a new route to understanding domestication, behavior, and sustainability in animal breeding. Ambio, 2005, 34, 320-4.	2.8	10
169	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.	1.6	264
170	Domestic-animal genomics: deciphering the genetics of complex traits. Nature Reviews Genetics, 2004, 5, 202-212.	7.7	516
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172	Feather-pecking and victim pigmentation. Nature, 2004, 431, 645-646.	13.7	110
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