Martien A M Groenen

List of Publications by Citations

289 papers	16,325 citations	62 h-index	119 g-index
303 ext. papers	19,105 ext. citations	5.5 avg, IF	6.52 L-index

#	Paper	IF	Citations
289	Sequence and comparative analysis of the chicken genome provide unique perspectives on vertebrate evolution. *Nature*, **2004**, 432, 695-716	50.4	2143
288	Analyses of pig genomes provide insight into porcine demography and evolution. *Nature*, **2012**, 491, 393-8	50.4	928
287	Design of a high density SNP genotyping assay in the pig using SNPs identified and characterized by next generation sequencing technology. *PLoS ONE*, **2009**, 4, e6524	3.7	486
286	The PiGMaP consortium linkage map of the pig (Sus scrofa). *Mammalian Genome*, **1995**, 6, 157-75	3.2	402
285	Strong signatures of selection in the domestic pig genome. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, 19529-36	11.5	367
284	A genetic variation map for chicken with 2.8 million single-nucleotide polymorphisms. *Nature*, **2004**, 432, 717-22	50.4	341
283	Multi-platform next-generation sequencing of the domestic turkey (Meleagris gallopavo): genome assembly and analysis. *PLoS Biology*, **2010**, 8, e1000475	9.7	311
282	Empirical evaluation of genetic clustering methods using multilocus genotypes from 20 chicken breeds. *Genetics*, **2001**, 159, 699-713	4	268
281	A consensus linkage map of the chicken genome. *Genome Research*, **2000**, 10, 137-47	9.7	258
280	The duck genome and transcriptome provide insight into an avian influenza virus reservoir species. *Nature Genetics*, **2013**, 45, 776-783	36.3	240
279	Genome-wide scan for body composition in pigs reveals important role of imprinting. *Proceedings of the National Academy of Sciences of the United States of America*, **2000**, 97, 7947-50	11.5	226
278	First report on chicken genes and chromosomes 2000. *Cytogenetic and Genome Research*, **2000**, 90, 169-218	2.9	223
277	Detection of quantitative trait loci for backfat thickness and intramuscular fat content in pigs (Sus scrofa). *Genetics*, **1999**, 152, 1679-90	4	210
276	A high-density SNP-based linkage map of the chicken genome reveals sequence features correlated with recombination rate. *Genome Research*, **2009**, 19, 510-9	9.7	208
275	Coordinated international action to accelerate genome-to-phenome with FAANG, the Functional Annotation of Animal Genomes project. *Genome Biology*, **2015**, 16, 57	18.3	196
274	Genome-wide assessment of worldwide chicken SNP genetic diversity indicates significant absence of rare alleles in commercial breeds. *Proceedings of the National Academy of Sciences of the United States of America*, **2008**, 105, 17312-7	11.5	180
273	Regions of homozygosity in the porcine genome: consequence of demography and the recombination landscape. *PLoS Genetics*, **2012**, 8, e1003100	6	178

272	Biodiversity of 52 chicken populations assessed by microsatellite typing of DNA pools. *Genetics Selection Evolution*, **2003**, 35, 533-57	4.9	167
271	A physical map of the chicken genome. *Nature*, **2004**, 432, 761-4	50.4	166
270	Pig domestication and human-mediated dispersal in western Eurasia revealed through ancient DNA and geometric morphometrics. *Molecular Biology and Evolution*, **2013**, 30, 824-32	8.3	155
269	Evidence of long-term gene flow and selection during domestication from analyses of Eurasian wild and domestic pig genomes. *Nature Genetics*, **2015**, 47, 1141-8	36.3	151
268	The development and characterization of a 60K SNP chip for chicken. *BMC Genomics*, **2011**, 12, 274	4.5	147
267	Microsatellite markers in common carp (Cyprinus carpio L.). *Animal Genetics*, **1997**, 28, 129-134	2.5	144
266	Signatures of diversifying selection in European pig breeds. *PLoS Genetics*, **2013**, 9, e1003453	6	131
265	Evolutionary signals of selection on cognition from the great tit genome and methylome. *Nature Communications*, **2016**, 7, 10474	17.4	125
264	Genetic mapping of quantitative trait loci affecting susceptibility to Marek's disease virus induced tumors in F2 intercross chickens. *Genetics*, **1998**, 148, 349-60	4	123
263	Two-dimensional screening of the Wageningen chicken BAC library. *Mammalian Genome*, **2000**, 11, 360-3	3.2	120
262	Pig genome sequence--analysis and publication strategy. *BMC Genomics*, **2010**, 11, 438	4.5	116
261	Cloning and characterization of the acyl-coenzyme A: 6-aminopenicillanic-acid-acyltransferase gene of Penicillium chrysogenum. *Gene*, **1989**, 83, 291-300	3.8	116
260	A high density recombination map of the pig reveals a correlation between sex-specific recombination and GC content. *BMC Genomics*, **2012**, 13, 586	4.5	113
259	The nucleotide sequence of bovine MHC class II DQB and DRB genes. *Immunogenetics*, **1990**, 31, 37-44	3.2	108
258	Genome-wide footprints of pig domestication and selection revealed through massive parallel sequencing of pooled DNA. *PLoS ONE*, **2011**, 6, e14782	3.7	103
257	Recent natural selection causes adaptive evolution of an avian polygenic trait. *Science*, **2017**, 358, 365-368	33.3	101
256	Whole genome comparative studies between chicken and turkey and their implications for avian genome evolution. *BMC Genomics*, **2008**, 9, 168	4.5	98
255	Linkage disequilibrium decay and haplotype block structure in the pig. *Genetics*, **2008**, 179, 569-79	4	98

254	A comprehensive microsatellite linkage map of the chicken genome. *Genomics*, **1998**, 49, 265-74	4.3	98
253	Combined analyses of data from quantitative trait loci mapping studies. Chromosome 4 effects on porcine growth and fatness. *Genetics*, **2000**, 155, 1369-78	4	98
252	Genomic analysis reveals selection for Asian genes in European pigs following human-mediated introgression. *Nature Communications*, **2014**, 5, 4392	17.4	97
251	Genome sequencing reveals fine scale diversification and reticulation history during speciation in Sus. *Genome Biology*, **2013**, 14, R107	18.3	97
250	Detection and characterization of quantitative trait loci for growth and reproduction traits in pigs. *Livestock Science*, **2001**, 72, 185-198		94
249	Evolutionary dynamics of copy number variation in pig genomes in the context of adaptation and domestication. *BMC Genomics*, **2013**, 14, 449	4.5	92
248	Genetic diversity within and between European pig breeds using microsatellite markers. *Animal Genetics*, **2006**, 37, 189-98	2.5	92
247	The nucleotide sequence of the bovine MHC class II alpha genes: DRA, DOA, and DYA. *Immunogenetics*, **1990**, 31, 29-36	3.2	92
246	Fine mapping and imprinting analysis for fatness trait QTLs in pigs. *Mammalian Genome*, **2000**, 11, 656-61	3.2	89
245	Whole genome scan in chickens for quantitative trait loci affecting growth and feed efficiency. *Poultry Science*, **1999**, 78, 15-23	3.9	87
244	Molecular cytogenetic definition of the chicken genome: the first complete avian karyotype. *Genetics*, **2004**, 166, 1367-73	4	86
243	Genome-wide single nucleotide polymorphism analysis reveals recent genetic introgression from domestic pigs into Northwest European wild boar populations. *Molecular Ecology*, **2013**, 22, 856-66	5.7	84
242	Assessing the contribution of breeds to genetic diversity in conservation schemes. *Genetics Selection Evolution*, **2002**, 34, 613-33	4.9	83
241	The chicken leukocyte receptor complex: a highly diverse multigene family encoding at least six structurally distinct receptor types. *Journal of Immunology*, **2005**, 175, 385-93	5.3	82
240	Partial duplication of the PRLR and SPEF2 genes at the late feathering locus in chicken. *BMC Genomics*, **2008**, 9, 391	4.5	79
239	Mapping quantitative trait loci affecting feather pecking behavior and stress response in laying hens. *Poultry Science*, **2003**, 82, 1215-22	3.9	78
238	Biodiversity of pig breeds from China and Europe estimated from pooled DNA samples: differences in microsatellite variation between two areas of domestication. *Genetics Selection Evolution*, **2008**, 40, 103-128	4.9	77
237	A genome-wide association study on androstenone levels in pigs reveals a cluster of candidate genes on chromosome 6. *BMC Genetics*, **2010**, 11, 42	2.6	73

236	Whole genome scan for quantitative trait loci affecting body weight in chickens using a three generation design. *Livestock Science*, **1998**, 54, 133-150		72
235	Genome-wide SNP detection in the great tit Parus major using high throughput sequencing. *Molecular Ecology*, **2010**, 19 Suppl 1, 89-99	5.7	71
234	Genetic resources, genome mapping and evolutionary genomics of the pig (Sus scrofa). *International Journal of Biological Sciences*, **2007**, 3, 153-65	11.2	68
233	Large scale single nucleotide polymorphism discovery in unsequenced genomes using second generation high throughput sequencing technology: applied to turkey. *BMC Genomics*, **2009**, 10, 479	4.5	65
232	Localization to chicken chromosome 5 of a novel locus determining salmonellosis resistance. *Immunogenetics*, **2001**, 53, 786-91	3.2	65
231	Genome-wide SNP data unveils the globalization of domesticated pigs. *Genetics Selection Evolution*, **2017**, 49, 71	4.9	63
230	Conservation genomic analysis of domestic and wild pig populations from the Iberian Peninsula. *BMC Genetics*, **2013**, 14, 106	2.6	63
229	The complete sequence of the gene encoding bovine alpha s2-casein. *Gene*, **1993**, 123, 187-93	3.8	63
228	Adult porcine genome-wide DNA methylation patterns support pigs as a biomedical model. *BMC Genomics*, **2015**, 16, 743	4.5	61
227	Biodiversity of pig breeds from China and Europe estimated from pooled DNA samples: differences in microsatellite variation between two areas of domestication. *Genetics Selection Evolution*, **2008**, 40, 103-28	4.9	60
226	Detection and localization of quantitative trait loci affecting fatness in broilers. *Poultry Science*, **2004**, 83, 295-301	3.9	60
225	Comparison of linkage disequilibrium and haplotype diversity on macro- and microchromosomes in chicken. *BMC Genetics*, **2009**, 10, 86	2.6	59
224	A decade of pig genome sequencing: a window on pig domestication and evolution. *Genetics Selection Evolution*, **2016**, 48, 23	4.9	58
223	The Evolution of Suidae. *Annual Review of Animal Biosciences*, **2016**, 4, 61-85	13.7	58
222	Third Report on Chicken Genes and Chromosomes 2015. *Cytogenetic and Genome Research*, **2015**, 145, 78-179	1.9	57
221	Whole genome scan in chickens for quantitative trait loci affecting carcass traits. *Poultry Science*, **1999**, 78, 1091-9	3.9	56
220	Genome wide SNP discovery, analysis and evaluation in mallard (Anas platyrhynchos). *BMC Genomics*, **2011**, 12, 150	4.5	55
219	The IGF2-intron3-G3072A substitution explains a major imprinted QTL effect on backfat thickness in a Meishan x European white pig intercross. *Genetical Research*, **2004**, 84, 95-101	1.1	55

218	A whole-genome scan for quantitative trait loci affecting teat number in pigs. *Journal of Animal Science*, **2001**, 79, 2320-6	0.7	55
217	Genetic origin, admixture and population history of aurochs (Bos primigenius) and primitive European cattle. *Heredity*, **2017**, 118, 169-176	3.6	54
216	The Genome of Winter Moth (Operophtera brumata) Provides a Genomic Perspective on Sexual Dimorphism and Phenology. *Genome Biology and Evolution*, **2015**, 7, 2321-32	3.9	53
215	Using genome-wide measures of coancestry to maintain diversity and fitness in endangered and domestic pig populations. *Genome Research*, **2015**, 25, 970-81	9.7	53
214	Preliminary linkage map of the chicken (Gallus domesticus) genome based on microsatellite markers: 77 new markers mapped. *Poultry Science*, **1996**, 75, 746-54	3.9	52
213	DNA sequences at the ends of the genome of bacteriophage Mu essential for transposition. *Proceedings of the National Academy of Sciences of the United States of America*, **1985**, 82, 2087-91	11.5	52
212	Copy number variation in the speciation of pigs: a possible prominent role for olfactory receptors. *BMC Genomics*, **2015**, 16, 330	4.5	51
211	Signatures of selection in the genomes of commercial and non-commercial chicken breeds. *PLoS ONE*, **2012**, 7, e32720	3.7	51
210	Whole genome SNP discovery and analysis of genetic diversity in Turkey (Meleagris gallopavo). *BMC Genomics*, **2012**, 13, 391	4.5	49
209	Replicated analysis of the genetic architecture of quantitative traits in two wild great tit populations. *Molecular Ecology*, **2015**, 24, 6148-62	5.7	48
208	Multiple octamer binding sites in the promoter region of the bovine alpha s2-casein gene. *Nucleic Acids Research*, **1992**, 20, 4311-8	20.1	48
207	A genome-wide scan for signatures of directional selection in domesticated pigs. *BMC Genomics*, **2015**, 16, 130	4.5	47
206	The design and cross-population application of a genome-wide SNP chip for the great tit Parus major. *Molecular Ecology Resources*, **2012**, 12, 753-70	8.4	46
205	Genome-Wide Characterization of Selection Signatures and Runs of Homozygosity in Ugandan Goat Breeds. *Frontiers in Genetics*, **2018**, 9, 318	4.5	46
204	Microsatellite polymorphism in commercial broiler and layer lines estimated using pooled blood samples. *Poultry Science*, **1996**, 75, 904-9	3.9	45
203	New microsatellite markers in chicken optimized for automated fluorescent genotyping. *Animal Genetics*, **1997**, 28, 427-37	2.5	44
202	Ancient pigs reveal a near-complete genomic turnover following their introduction to Europe. *Proceedings of the National Academy of Sciences of the United States of America*, **2019**, 116, 17231-17238	11.5	42
201	Porcine colonization of the Americas: a 60k SNP story. *Heredity*, **2013**, 110, 321-30	3.6	42

200	Comparative analysis of chicken chromosome 28 provides new clues to the evolutionary fragility of gene-rich vertebrate regions. *Genome Research*, **2007**, 17, 1603-13	9.7	41
199	Dissecting structural and nucleotide genome-wide variation in inbred Iberian pigs. *BMC Genomics*, **2013**, 14, 148	4.5	40
198	The X chromosome harbors quantitative trait loci for backfat thickness and intramuscular fat content in pigs. *Mammalian Genome*, **2000**, 11, 800-2	3.2	40
197	Large scale variation in DNA copy number in chicken breeds. *BMC Genomics*, **2013**, 14, 398	4.5	39
196	Widespread horizontal genomic exchange does not erode species barriers among sympatric ducks. *BMC Evolutionary Biology*, **2012**, 12, 45	3	39
195	FISH on avian lampbrush chromosomes produces higher resolution gene mapping. *Genetica*, **2006**, 128, 241-51	1.5	39
194	Two genes involved in penicillin biosynthesis are linked in a 5.1 kb SalI fragment in the genome of Penicillium chrysogenum. *Molecular Genetics and Genomics*, **1989**, 218, 572-6		39
193	Accuracy of genomic prediction using imputed whole-genome sequence data in white layers. *Journal of Animal Breeding and Genetics*, **2016**, 133, 167-79	2.9	38
192	Regional differences in recombination hotspots between two chicken populations. *BMC Genetics*, **2010**, 11, 11	2.6	38
191	Characterization of a GlyCAM1-like gene (glycosylation-dependent cell adhesion molecule 1) which is highly and specifically expressed in the lactating bovine mammary gland. *Gene*, **1995**, 158, 189-95	3.8	38
190	GO-FAANG meeting: a Gathering On Functional Annotation of Animal Genomes. *Animal Genetics*, **2016**, 47, 528-33	2.5	37
189	Replicated high-density genetic maps of two great tit populations reveal fine-scale genomic departures from sex-equal recombination rates. *Heredity*, **2014**, 112, 307-16	3.6	37
188	Identification of high utility SNPs for population assignment and traceability purposes in the pig using high-throughput sequencing. *Animal Genetics*, **2011**, 42, 613-20	2.5	37
187	Extent of linkage disequilibrium in chicken. *Cytogenetic and Genome Research*, **2007**, 117, 338-45	1.9	37
186	Deleterious alleles in the context of domestication, inbreeding, and selection. *Evolutionary Applications*, **2019**, 12, 6-17	4.8	36
185	Application of massive parallel sequencing to whole genome SNP discovery in the porcine genome. *BMC Genomics*, **2009**, 10, 374	4.5	35
184	Confirmation of quantitative trait loci affecting fatness in chickens. *Genetics Selection Evolution*, **2005**, 37, 215-28	4.9	35
183	The gene orders on human chromosome 15 and chicken chromosome 10 reveal multiple inter- and intrachromosomal rearrangements. *Molecular Biology and Evolution*, **2001**, 18, 2102-9	8.3	35

182	Distribution and Functionality of Copy Number Variation across European Cattle Populations. *Frontiers in Genetics*, **2017**, 8, 108	4.5	34
181	Genetic consequences of breaking migratory traditions in barnacle geese Branta leucopsis. *Molecular Ecology*, **2013**, 22, 5835-47	5.7	34
180	Chicken Ig-like receptor B2, a member of a multigene family, is mainly expressed on B lymphocytes, recruits both Src homology 2 domain containing protein tyrosine phosphatase (SHP)-1 and SHP-2, and inhibits proliferation. *Journal of Immunology*, **2004**, 173, 7385-93	5.3	34
179	Regulation of expression of milk protein genes: a review. *Livestock Science*, **1994**, 38, 61-78		34
178	Whole-genome sequence analysis reveals differences in population management and selection of European low-input pig breeds. *BMC Genomics*, **2014**, 15, 601	4.5	33
177	A novel activating chicken IgY FcR is related to leukocyte receptor complex (LRC) genes but is located on a chromosomal region distinct from the LRC and FcR gene clusters. *Journal of Immunology*, **2009**, 182, 1533-40	5.3	33
176	Untangling the hybrid nature of modern pig genomes: a mosaic derived from biogeographically distinct and highly divergent Sus scrofa populations. *Molecular Ecology*, **2014**, 23, 4089-102	5.7	32
175	Comparative analysis of the natriuretic peptide precursor gene cluster in vertebrates reveals loss of ANF and retention of CNP-3 in chicken. *Developmental Dynamics*, **2005**, 233, 1076-82	2.9	30
174	Accuracy of Predicted Genomic Breeding Values in Purebred and Crossbred Pigs. *G3: Genes, Genomes, Genetics*, **2015**, 5, 1575-83	3.2	29
173	Comparative mapping of human Chromosome 19 with the chicken shows conserved synteny and gives an insight into chromosomal evolution. *Mammalian Genome*, **2002**, 13, 310-5	3.2	29
172	Identification of quantitative trait loci for receiving pecks in young and adult laying hens. *Poultry Science*, **2003**, 82, 1661-7	3.9	29
171	Genetic mapping of quantitative trait loci affecting susceptibility in chicken to develop pulmonary hypertension syndrome. *Animal Genetics*, **2005**, 36, 468-76	2.5	29
170	Multicolour fluorescent detection and mapping of AFLP markers in chicken (Gallus domesticus). *Animal Genetics*, **1999**, 30, 274-85	2.5	29
169	Impact of neonatal iron deficiency on hippocampal DNA methylation and gene transcription in a porcine biomedical model of cognitive development. *BMC Genomics*, **2016**, 17, 856	4.5	29
168	Genomic diversity and differentiation of a managed island wild boar population. *Heredity*, **2016**, 116, 60-7	3.6	28
167	SNP marker detection and genotyping in tilapia. *Molecular Ecology Resources*, **2012**, 12, 932-41	8.4	28
166	A SNP based linkage map of the turkey genome reveals multiple intrachromosomal rearrangements between the turkey and chicken genomes. *BMC Genomics*, **2010**, 11, 647	4.5	28
165	Detection of QTL for innate: non-specific antibody levels binding LPS and LTA in two independent populations of laying hens. *Developmental and Comparative Immunology*, **2006**, 30, 659-66	3.2	28

164	An assessment of European pig diversity using molecular markers: Partitioning of diversity among breeds. *Conservation Genetics*, **2005**, 6, 729-741	2.6	28
163	New microsatellite markers on the linkage map of the chicken genome. *Journal of Heredity*, **1994**, 85, 410-3	2.4	28
162	The imprinted gene DIO3 is a candidate gene for litter size in pigs. *PLoS ONE*, **2012**, 7, e31825	3.7	28
161	A tree of geese: A phylogenomic perspective on the evolutionary history of True Geese. *Molecular Phylogenetics and Evolution*, **2016**, 101, 303-313	4.1	28
160	A history of hybrids? Genomic patterns of introgression in the True Geese. *BMC Evolutionary Biology*, **2017**, 17, 201	3	27
159	East Asian contributions to Dutch traditional and western commercial chickens inferred from mtDNA analysis. *Animal Genetics*, **2011**, 42, 125-33	2.5	27
158	Genetic diversity in European pigs utilizing amplified fragment length polymorphism markers. *Animal Genetics*, **2006**, 37, 232-8	2.5	27
157	Identification of QTLs involved in open-field behavior in young and adult laying hens. *Behavior Genetics*, **2004**, 34, 325-33	3.2	27
156	A systematic survey to identify lethal recessive variation in highly managed pig populations. *BMC Genomics*, **2017**, 18, 858	4.5	26
155	Centromere positions in chicken and Japanese quail chromosomes: de novo centromere formation versus pericentric inversions. *Chromosome Research*, **2012**, 20, 1017-32	4.4	26
154	Detection of different quantitative trait loci for antibody responses to keyhole lympet hemocyanin and Mycobacterium butyricum in two unrelated populations of laying hens. *Poultry Science*, **2003**, 82, 1845-52	3.9	26
153	A high-resolution comparative RH map of porcine chromosome (SSC) 2. *Mammalian Genome*, **2001**, 12, 366-70	3.2	26
152	Mapping of a site for packaging of bacteriophage Mu DNA. *Virology*, **1985**, 144, 520-2	3.6	26
151	A high-density SNP chip for genotyping great tit (Parus major) populations and its application to studying the genetic architecture of exploration behaviour. *Molecular Ecology Resources*, **2018**, 18, 877-891	4.4	25
150	Development of a genetic tool for product regulation in the diverse British pig breed market. *BMC Genomics*, **2012**, 13, 580	4.5	25
149	Segregation distortion in chicken and the evolutionary consequences of female meiotic drive in birds. *Heredity*, **2010**, 105, 290-8	3.6	25
148	Review of the initial validation and characterization of a 3K chicken SNP array. *World's Poultry Science Journal*, **2008**, 64, 219-226	3	25
147	Detection of QTL for immune response to sheep red blood cells in laying hens. *Animal Genetics*, **2003**, 34, 422-8	2.5	25

146	Analysis of the ends of bacteriophage Mu using site-directed mutagenesis. *Journal of Molecular Biology*, **1986**, 189, 597-602	6.5	25
145	Loss of function mutations in essential genes cause embryonic lethality in pigs. *PLoS Genetics*, **2019**, 15, e1008055	6	24
144	Genetic variances, heritabilities and maternal effects on body weight, breast meat yield, meat quality traits and the shape of the growth curve in turkey birds. *BMC Genetics*, **2011**, 12, 14	2.6	24
143	Quantitative trait loci for body weight in layers differ from quantitative trait loci specific for antibody responses to sheep red blood cells. *Poultry Science*, **2004**, 83, 853-9	3.9	24
142	Testing models of speciation from genome sequences: divergence and asymmetric admixture in Island South-East Asian Sus species during the Plio-Pleistocene climatic fluctuations. *Molecular Ecology*, **2014**, 23, 5566-74	5.7	23
141	Functional genes mapped on the chicken genome. *Animal Genetics*, **1995**, 26, 73-8	2.5	23
140	QTL Mapping in chicken using a three generation full sib family structure of an extreme broiler X broiler cross. *Animal Biotechnology*, **1997**, 8, 41-46	1.4	23
139	Structural variation in the chicken genome identified by paired-end next-generation DNA sequencing of reduced representation libraries. *BMC Genomics*, **2011**, 12, 94	4.5	22
138	The HMGI-C gene is a likely candidate for the autosomal dwarf locus in the chicken. *Journal of Heredity*, **1998**, 89, 295-300	2.4	22
137	Metabolism of benzidine-based dyes and the appearance of mutagenic metabolites in urine of rats after oral or intraperitoneal administration. *Toxicology*, **1984**, 31, 271-82	4.4	22
136	A survey of functional genomic variation in domesticated chickens. *Genetics Selection Evolution*, **2018**, 50, 17	4.9	21
135	From FAANG to fork: application of highly annotated genomes to improve farmed animal production. *Genome Biology*, **2020**, 21, 285	18.3	21
134	The distal end of porcine chromosome 6p is involved in the regulation of skatole levels in boars. *BMC Genetics*, **2011**, 12, 35	2.6	20
133	Polymorphic microsatellites developed by cross-species amplifications in common pheasant breeds. *Animal Genetics*, **2001**, 32, 222-5	2.5	20
132	Identification of genes regulating growth and fatness traits in pig through hypothalamic transcriptome analysis. *Physiological Genomics*, **2014**, 46, 195-206	3.6	19
131	Identification of species-specific novel transcripts in pig reproductive tissues using RNA-seq. *Animal Genetics*, **2014**, 45, 198-204	2.5	19
130	Highly polymorphic microsatellite markers in poultry. *Animal Genetics*, **1993**, 24, 441-3	2.5	19
129	Developing microsatellite markers from cDNA: a tool for adding expressed sequence tags to the genetic linkage map of the chicken. *Animal Genetics*, **1998**, 29, 85-90	2.5	19

128	FISH mapping of 57 BAC clones reveals strong conservation of synteny between Galliformes and Anseriformes. *Animal Genetics*, **2007**, 38, 303-7	2.5	19
127	The development of a genome wide SNP set for the Barnacle goose Branta leucopsis. *PLoS ONE*, **2012**, 7, e38412	3.7	19
126	Artificial selection on introduced Asian haplotypes shaped the genetic architecture in European commercial pigs. *Proceedings of the Royal Society B: Biological Sciences*, **2015**, 282, 20152019	4.4	18
125	Genetic and phenotypic relationships between blood gas parameters and ascites-related traits in broilers. *Poultry Science*, **2009**, 88, 483-90	3.9	18
124	Genomic relatedness and diversity of Swedish native cattle breeds. *Genetics Selection Evolution*, **2019**, 51, 56	4.9	17
123	TRES: Identification of Discriminatory and Informative SNPs from Population Genomic Data. *Journal of Heredity*, **2015**, 106, 672-6	2.4	17
122	The effects of recent changes in breeding preferences on maintaining traditional Dutch chicken genomic diversity. *Heredity*, **2018**, 121, 564-578	3.6	17
121	Oncopig Soft-Tissue Sarcomas Recapitulate Key Transcriptional Features of Human Sarcomas. *Scientific Reports*, **2017**, 7, 2624	4.9	17
120	Adaptive Evolution of Toll-Like Receptors (TLRs) in the Family Suidae. *PLoS ONE*, **2015**, 10, e0124069	3.7	17
119	Genetic diversity analysis using lowly polymorphic dominant markers: the example of AFLP in pigs. *Journal of Heredity*, **2006**, 97, 244-52	2.4	17
118	A high-resolution radiation hybrid map of chicken chromosome 5 and comparison with human chromosomes. *BMC Genomics*, **2004**, 5, 66	4.5	17
117	A comparative map of chicken chromosome 24 and human chromosome 11. *Animal Genetics*, **2002**, 33, 205-10	2.5	17
116	Improvement of the comparative map of chicken chromosome 13. *Animal Genetics*, **2002**, 33, 249-54	2.5	17
115	Development of a single nucleotide polymorphism map of porcine chromosome 2. *Animal Genetics*, **2003**, 34, 429-37	2.5	17
114	Integration of chicken genomic resources to enable whole-genome sequencing. *Cytogenetic and Genome Research*, **2003**, 102, 297-303	1.9	17
113	Gene expression in chicken reveals correlation with structural genomic features and conserved patterns of transcription in the terrestrial vertebrates. *PLoS ONE*, **2010**, 5, e11990	3.7	17
112	Genomic analysis on pygmy hog reveals extensive interbreeding during wild boar expansion. *Nature Communications*, **2019**, 10, 1992	17.4	16
111	Systematic differences in the response of genetic variation to pedigree and genome-based selection methods. *Heredity*, **2014**, 113, 503-13	3.6	16

110	Sequencing and genomic annotation of the chicken (Gallus gallus) Hox clusters, and mapping of evolutionarily conserved regions. *Cytogenetic and Genome Research*, **2007**, 117, 110-9	1.9	16
109	Confirmation that the casein gene cluster resides on cattle chromosome 6. *Mammalian Genome*, **1994**, 5, 524	3.2	16
108	Partial short-read sequencing of a highly inbred Iberian pig and genomics inference thereof. *Heredity*, **2011**, 107, 256-64	3.6	15
107	Mining for single nucleotide polymorphisms in pig genome sequence data. *BMC Genomics*, **2009**, 10, 4	4.5	15
106	Bulked segregant analysis using microsatellites: mapping of the dominant white locus in the chicken. *Poultry Science*, **1997**, 76, 386-91	3.9	15
105	Quantitative trait loci for behavioural traits in chickens. *Livestock Science*, **2005**, 93, 95-103		15
104	ESTIMATION OF THE EXTENT OF LINKAGE DISEQUILIBRIUM IN SEVEN REGIONS OF THE PORCINE GENOME. *Animal Biotechnology*, **2005**, 16, 41-54	1.4	15
103	The type of bottleneck matters: Insights into the deleterious variation landscape of small managed populations. *Evolutionary Applications*, **2020**, 13, 330-341	4.8	15
102	Deciphering the patterns of genetic admixture and diversity in southern European cattle using genome-wide SNPs. *Evolutionary Applications*, **2019**, 12, 951-963	4.8	14
101	Development and mapping of polymorphic microsatellite markers derived from a chicken brain cDNA library. *Animal Genetics*, **1996**, 27, 229-34	2.5	14
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