Alain Vignal

List of Publications by Year
in descending order

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129 papers	17,092 citations	66234 42 h-index	16605 123 g-index
133 all docs	133 docs citations	133 times ranked	12703 citing authors

#	Article	IF	Citations
1	A comprehensive genetic map of the human genome based on 5,264 microsatellites. Nature, 1996, 380, 152-154.	13.7	2,916
2	Sequence and comparative analysis of the chicken genome provide unique perspectives on vertebrate evolution. Nature, 2004, 432, 695-716.	13.7	2,421
3	The 1993â€“94 GÃ©nÃ©thon human genetic linkage map. Nature Genetics, 1994, 7, 246-339.	9.4	2,015
4	A second-generation linkage map of the human genome. Nature, 1992, 359, 794-801.	13.7	1,795
5	A review on SNP and other types of molecular markers and their use in animal genetics. Genetics Selection Evolution, 2002, 34, 275-305.	1.2	676
6	A comprehensive human linkage map with centimorgan density. Cooperative Human Linkage Center (CHLC). Science, 1994, 265, 2049-2054.	6.0	550
7	Continuum of overlapping clones spanning the entire human chromosome 21q. Nature, 1992, 359, 380-387.	13.7	436
8	A consensus linkage map of the chicken genome. Genome Research, 2000, 10, 137-47.	2.4	357
9	The duck genome and transcriptome provide insight into an avian influenza virus reservoir species. Nature Genetics, 2013, 45, 776-783.	9.4	327
10	Chromosomeâ€“specific microsatellite sets for fluorescenceâ€“based, semiâ€“automated genome mapping. Nature Genetics, 1994, 7, 390-395.	9.4	323
11	Empirical Evaluation of Genetic Clustering Methods Using Multilocus Genotypes From 20 Chicken Breeds. Genetics, 2001, 159, 699-713.	1.2	306
12	First report on chicken genes and chromosomes 2000. Cytogenetic and Genome Research, 2000, 90, 169-218.	0.6	299
13	Dense sampling of bird diversity increases power of comparative genomics. Nature, 2020, 587, 252-257.	13.7	251
14	Species difference in ANP32A underlies influenza A virus polymerase host restriction. Nature, 2016, 529, 101-104.	13.7	228
15	A New Chicken Genome Assembly Provides Insight into Avian Genome Structure. G3: Genes, Genomes, Genetics, 2017, 7, 109-117.	0.8	228
16	Localization of Friedreich ataxia phenotype with selective vitamin E deficiency to chromosome 8q by homozygosity mapping. Nature Genetics, 1993, 5, 195-200.	9.4	215
17	Biodiversity of 52 chicken populations assessed by microsatellite typing of DNA pools. Genetics Selection Evolution, 2003, 35, 533-57.	1.2	209
18	Mapping of a novel gene for familial hypertrophic cardiomyopathy to chromosome 11. Nature Genetics, 1993, 4, 311-313.	9.4	184

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19	A radiation hybrid map of 506 STS markers spanning human chromosome 11. Nature Genetics, 1994, 8, 70-76.	9.4	157
20	Second report on chicken genes and chromosomes 2005. Cytogenetic and Genome Research, 2005, 109, 415-479.	0.6	136
21	Molecular Cytogenetic Definition of the Chicken Genome: The First Complete Avian Karyotype. Genetics, 2004, 166, 1367-1373.	1.2	122
22	Whole genome comparative studies between chicken and turkey and their implications for avian genome evolution. BMC Genomics, 2008, 9, 168.	1.2	119
23	Severe childhood autosomal recessive muscular dystrophy with the deficiency of the 50 kDa dystrophin-associated glycoprotein maps to chromosome 13q12. Human Molecular Genetics, 1993, 2, 1423-1428.	1.4	104
24	Cloning of Ovocalyxin-36, a Novel Chicken Eggshell Protein Related to Lipopolysaccharide-binding Proteins, Bactericidal Permeability-increasing Proteins, and Plunc Family Proteins. Journal of Biological Chemistry, 2007, 282, 5273-5286.	1.6	101
25	A first-generation microsatellite linkage map of the Japanese quail. Animal Genetics, 2004, 35, 195-200.	0.6	89
26	A third locus for autosomal dominant cerebellar ataxia type I maps to chromosome 14q24.3-qter: evidence for the existence of a fourth locus. American Journal of Human Genetics, 1994, 54, 11-20.	2.6	88
27	Genetic control of resistance to salmonellosis and to Salmonella carrier-state in fowl: a review. Genetics Selection Evolution, 2010, 42, 11.	1.2	87
28	Integrated maps in quail (Coturnix japonica) confirm the high degree of synteny conservation with chicken (Gallus gallus) despite 35 million years of divergence. BMC Genomics, 2006, 7, 101.	1.2	80
29	QTL for several metabolic traits map to loci controlling growth and body composition in an F₂ intercross between high- and low-growth chicken lines. Physiological Genomics, 2009, 38, 241-249.	1.0	75
30	Microsatellite mapping of QTL affecting growth, feed consumption, egg production, tonic immobility and body temperature of Japanese quail. BMC Genomics, 2005, 6, 87.	1.2	63
31	Genome wide SNP discovery, analysis and evaluation in mallard (Anas platyrhynchos). BMC Genomics, 2011, 12, 150.	1.2	63
32	A novel gene member of the human glycophorin A and B gene family. Molecular cloning and expression. FEBS Journal, 1990, 191, 619-625.	0.2	59
33	Transcriptome-wide investigation of genomic imprinting in chicken. Nucleic Acids Research, 2014, 42, 3768-3782.	6.5	59
34	A genome scan for quantitative trait loci affecting the Salmonella carrier-state in the chicken. Genetics Selection Evolution, 2005, 37, 539-61.	1.2	56
35	ChickRH6: a chicken whole-genome radiation hybrid panel. Genetics Selection Evolution, 2002, 34, 521-33.	1.2	54
36	Identification of 16 chicken microchromosomes by molecular markers using two-colour fluorescence in situ hybridization (FISH). Chromosome Research, 1998, 6, 307-313.	1.0	53

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37	Mapping of the genetically independent chicken major histocompatibility complexes B[@] and RFP-Y[@] to the same microchromosome by two-color fluorescent in situ hybridization. Cytogenetic and Genome Research, 1996, 75, 7-9.	0.6	51
38	FISH on avian lampbrush chromosomes produces higher resolution gene mapping. Genetica, 2006, 128, 241-251.	0.5	50
39	Mapping quantitative trait loci affecting fatness and breast muscle weight in meat-type chicken lines divergently selected on abdominal fatness. Genetics Selection Evolution, 2006, 38, 85.	1.2	50
40	Molecular analysis of glycophorin A and B gene structure and expression in homozygous Miltenberger class V (Mi.V) human erythrocytes. FEBS Journal, 1989, 184, 337-344.	0.2	48
41	Integrative mapping analysis of chicken microchromosome 16 organization. BMC Genomics, 2010, 11, 616.	1.2	47
42	Effect of two candidate genes on the Salmonella carrier state in fowl. Poultry Science, 2003, 82, 721-726.	1.5	46
43	Identification of QTL controlling meat quality traits in an F2 cross between two chicken lines selected for either low or high growth rate. BMC Genomics, 2007, 8, 155.	1.2	43
44	AFLP linkage map of the Japanese quail Coturnix japonica. Genetics Selection Evolution, 2003, 35, 559-72.	1.2	41
45	A genome scan with AFLPTM markers to detect fearfulness-related QTLs in Japanese quail. Animal Genetics, 2005, 36, 401-407.	0.6	41
46	A duck RH panel and its potential for assisting NGS genome assembly. BMC Genomics, 2012, 13, 513.	1.2	40
47	A medium density genetic map and QTL for behavioral and production traits in Japanese quail. BMC Genomics, 2015, 16, 10.	1.2	40
48	The quail genome: insights into social behaviour, seasonal biology and infectious disease response. BMC Biology, 2020, 18, 14.	1.7	40
49	Relationship between Charcot - Marie-Tooth 1A and Smith - Magenis regions. snU3 may be a candidate gene for the Smith - Magenis syndrome. Human Molecular Genetics, 1993, 2, 1235-1243.	1.4	39
50	QTL for resistance to Salmonella carrier state confirmed in both experimental and commercial chicken lines. Animal Genetics, 2009, 40, 590-597.	0.6	37
51	Epilepsy Caused by an Abnormal Alternative Splicing with Dosage Effect of the SV2A Gene in a Chicken Model. PLoS ONE, 2011, 6, e26932.	1.1	37
52	Promoter sequence and chromosomal organization of the genes encoding glycophorins A, B and E. Gene, 1990, 95, 289-293.	1.0	36
53	Mapping main, epistatic and sex-specific QTL for body composition in a chicken population divergently selected for low or high growth rate. BMC Genomics, 2010, 11, 107.	1.2	35
54	Whole-genome resequencing of honeybee drones to detect genomic selection in a population managed for royal jelly. Scientific Reports, 2016, 6, 27168.	1.6	35

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55	Cloning of cDNA encoding the nuclear form of chicken sterol response element binding protein-2 (SREBP-2), chromosomal localization, and tissue expression of chicken SREBP-1 and -2 genes. Poultry Science, 2003, 82, 54-61.	1.5	34
56	Using Whole-Genome Sequence Information to Foster Conservation Efforts for the European Dark Honey Bee, Apis mellifera mellifera. Frontiers in Ecology and Evolution, 2016, 4, .	1.1	34
57	The chicken LEP (OB) gene has not been mapped. Animal Genetics, 2000, 31, 281-281.	0.6	34
58	Evidence for introgressive hybridization of wild common quail (Coturnix coturnix) by domesticated Japanese quail (Coturnix japonica) in France. Conservation Genetics, 2010, 11, 1051-1062.	0.8	32
59	Mapping the Naked Neck (NA) and Polydactyly (PO) mutants of the chicken with microsatellite molecular markers. Genetics Selection Evolution, 2000, 32, 73-86.	1.2	31
60	Mapping QTL for growth and shank traits in chickens divergently selected for high or low body weight. Animal Genetics, 2010, 41, 400-405.	0.6	31
61	Fatness QTL on chicken chromosome 5 and interaction with sex. Genetics Selection Evolution, 2006, 38, 297-311.	1.2	29
62	Genetic linkage and expression analysis of SREBP and lipogenic genes in fat and lean chicken. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2004, 137, 433-441.	0.7	27
63	Developing reduced <scp>SNP</scp> assays from wholeâ€genome sequence data to estimate introgression in an organism with complex genetic patterns, the Iberian honeybee (<i>Apis mellifera) Tj ETQq1 1 0.784314 rgBT /Over		
64	Assignment of 112 Microsatellite Markers to 23 Chromosome 11 Subregions Delineated by Somatic Hybrids: Comparison with the Genetic Map. Genomics, 1994, 21, 379-387.	1.3	26
65	Alteration of the genes for glycophorin A and B in glycophorin-A-deficient individuals. FEBS Journal, 1988, 177, 605-614.	0.2	25
66	Assignment of microsatellite sequences to the region duplicated in CMT1A (17p12): a useful tool for diagnosis.. Journal of Medical Genetics, 1995, 32, 231-233.	1.5	25
67	FISH mapping of 57 BAC clones reveals strong conservation of synteny between Galliformes and Anseriformes. Animal Genetics, 2007, 38, 303-307.	0.6	25
68	A guinea fowl genome assembly provides new evidence on evolution following domestication and selection in galliformes. Molecular Ecology Resources, 2019, 19, 997-1014.	2.2	24
69	Erythrocyte glycophorin B deficiency may occur by two distinct gene alterations. American Journal of Hematology, 1991, 37, 57-58.	2.0	23
70	Genotyping Procedures in Linkage Mapping. Methods, 1996, 9, 91-97.	1.9	23
71	Mapping of plumage colour and blood protein loci on the microsatellite linkage map of the Japanese quail. Animal Genetics, 2005, 36, 396-400.	0.6	23
72	New QTL for resistance to Salmonella carrier-state identified on fowl microchromosomes. Molecular Genetics and Genomics, 2011, 285, 237-243.	1.0	23

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73	The chicken RH map: current state of progress and microchromosome mapping. Cytogenetic and Genome Research, 2007, 117, 14-21.	0.6	22
74	Apparent genetic homogeneity of the treacher Collins-Franceschetti syndrome. American Journal of Medical Genetics Part A, 1994, 52, 174-177.	2.4	21
75	Integration of chicken cytogenetic and genetic maps: 18 new polymorphic markers isolated from BAC and PAC clones. Animal Genetics, 1998, 29, 348-355.	0.6	21
76	A high-resolution radiation hybrid map of chicken chromosome 5 and comparison with human chromosomes. BMC Genomics, 2004, 5, 66.	1.2	21
77	Fine mapping of complex traits in non-model species: using next generation sequencing and advanced intercross lines in Japanese quail. BMC Genomics, 2012, 13, 551.	1.2	20
78	Addition of the microchromosome GGA25 to the chicken genome sequence assembly through radiation hybrid and genetic mapping. BMC Genomics, 2008, 9, 129.	1.2	19
79	Structure of the 5â€² flanking region of the gene encoding human glycophorin A and analysis of its multiple transcripts. Gene, 1989, 85, 471-477.	1.0	18
80	Integration of chicken genomic resources to enable whole-genome sequencing. Cytogenetic and Genome Research, 2003, 102, 297-303.	0.6	18
81	Contribution of Radiation Hybrids to Genome Mapping in Domestic Animals. Cytogenetic and Genome Research, 2009, 126, 21-33.	0.6	18
82	Evidence of Phenotypic and Genetic Relationships between Sociality, Emotional Reactivity and Production Traits in Japanese Quail. PLoS ONE, 2013, 8, e82157.	1.1	18
83	Development of 112 unique expressed sequence tags from chicken liver using an arbitrarily primed reverse transcriptase-polymerase chain reaction and single strand conformation gel purification method. Animal Genetics, 2001, 32, 289-297.	0.6	17
84	Search for QTL affecting the shape of the egg laying curve of the Japanese quail. BMC Genetics, 2006, 7, 26.	2.7	17
85	Descriptive Analysis of the Varroa Non-Reproduction Trait in Honey Bee Colonies and Association with Other Traits Related to Varroa Resistance. Insects, 2020, 11, 492.	1.0	15
86	Mapping of FASN and ACACA on two chicken microchromosomes disrupts the human 17q syntenic group well conserved in mammals. Mammalian Genome, 1998, 9, 297-300.	1.0	14
87	GWAS analyses reveal QTL in egg layers that differ in response to diet differences. Genetics Selection Evolution, 2015, 47, 83.	1.2	14
88	Two new structural mutations in the 5â€² region of the ASIP gene cause diluted feather color phenotypes in Japanese quail. Genetics Selection Evolution, 2019, 51, 12.	1.2	14
89	A radiation hybrid map of chicken chromosome 15. Animal Genetics, 2004, 35, 63-65.	0.6	13
90	A gene-based radiation hybrid map of chicken microchromosome 14: Comparison to human and alignment to the assembled chicken sequence. Genetics Selection Evolution, 2005, 37, 229-51.	1.2	13

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91	Autosomal and Mitochondrial Adaptation Following Admixture: A Case Study on the Honeybees of Reunion Island. Genome Biology and Evolution, 2018, 10, 220-238.	1.1	13
92	A radiation hybrid map of chicken Chromosome 4. Mammalian Genome, 2004, 15, 560-569.	1.0	12
93	Development of a gene-based radiation hybrid map of chicken Chromosome 7 and comparison to human and mouse. Mammalian Genome, 2004, 15, 732-739.	1.0	11
94	Construction of a radiation hybrid map of chicken chromosome 2 and alignment to the chicken draft sequence. BMC Genomics, 2005, 6, 12.	1.2	11
95	Female-Specific DNA Sequences in the Chicken Genome. Journal of Heredity, 2007, 98, 238-242.	1.0	11
96	Detection of QTL controlling metabolism, meat quality, and liver quality traits of the overfed interspecific hybrid mule duck1. Journal of Animal Science, 2013, 91, 588-604.	0.2	11
97	Linkage analyses between dominant X-linked Charcot-Marie-Tooth disease, and 15 Xq11â€“Xq21 microsatellites in a new large family: Three new markers are closely linked to the gene. Neuromuscular Disorders, 1994, 4, 463-469.	0.3	10
98	Genomeâ€wide scans between two honeybee populations reveal putative signatures of humanâ€mediated selection. Animal Genetics, 2017, 48, 704-707.	0.6	9
99	Structure of the intergenic spacers in chicken ribosomal DNA. Genetics Selection Evolution, 2019, 51, 59.	1.2	9
100	Unraveling the history of the genus Gallus through whole genome sequencing. Molecular Phylogenetics and Evolution, 2021, 158, 107044.	1.2	9
101	Complex population structure and haplotype patterns in the Western European honey bee from sequencing a large panel of haploid drones. Molecular Ecology Resources, 2022, 22, 3068-3086.	2.2	9
102	Sex ratios in mule duck embryos at various stages of incubation. Theriogenology, 2004, 61, 573-580.	0.9	8
103	Assignment of non-informative turkey genetic markers through comparative approaches. Cytogenetic and Genome Research, 2005, 109, 527-532.	0.6	8
104	Non PCR-amplified Transcripts and AFLPÂ®Â® fragments as reduced representations of the quail genome for 454 Titanium sequencing. BMC Research Notes, 2010, 3, 214.	0.6	8
105	Mule Duck â€œFoie Grasâ€•Shows Different Metabolic States According to Its Quality Phenotype by Using a Proteomic Approach. Journal of Agricultural and Food Chemistry, 2014, 62, 7140-7150.	2.4	7
106	Mapping of theLEP(OB) gene to a chicken microchromosome. Animal Genetics, 1999, 30, 73-74.	0.6	7
107	Reconstructing queen genotypes by pool sequencing colonies in eusocial insects: statistical methods and their application to honeybee. Molecular Ecology Resources, 0, , .	2.2	7
108	Identification of quantitative trait loci associated with calmness and gentleness in honey bees using wholeâ€genome sequences. Animal Genetics, 2021, 52, 472-481.	0.6	6

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109	2003 Spring meeting of the WPSA French Branch. British Poultry Science, 2003, 44, 797-798.	0.8	5
110	Physical Mapping of 30 CA Repeats on Human Chromosome 22. Genomics, 1995, 27, 345-347.	1.3	4
111	Assignment of CPS1, OTC, CRYD2, ARG2 and ASS genes to the chicken RH map. Genetics Selection Evolution, 2004, 36, 593-9.	1.2	4
112	2003 Spring meeting of the WPSA French Branch. British Poultry Science, 2003, 44, 795-797.	0.8	4
113	Two quantitative trait loci are associated with recapping of Varroa destructorâ€infested brood cells in Apis mellifera mellifera. Animal Genetics, 2022, 53, 156-160.	0.6	4
114	Genetic diversity and population genetic structure analysis of Apis mellifera subspecies in Algeria and Europe based on complementary sex determiner (CSD) gene. Apidologie, 2022, 53, 1.	0.9	4
115	Mapping and genotypic analysis of the NK-lysin gene in chicken. Genetics Selection Evolution, 2014, 46, 43.	1.2	3
116	Deciphering mechanisms underlying the genetic variation of general production and liver quality traits in the overfed mule duck by pQTL analyses. Genetics Selection Evolution, 2017, 49, 38.	1.2	3
117	Avian Genomics in Animal Breeding and the End of the Model Organism. , 2019, , 21-67.		3
118	2003 Spring meeting of the WPSA French Branch. British Poultry Science, 2003, 44, 794-795.	0.8	3
119	Assignment of Stearoyl Coenzyme A Desaturase gene (SCD1) to chicken chromosome R-band 6q14 by in situ hybridization. Cytogenetic and Genome Research, 1997, 78, 229-230.	0.6	2
120	Cloning and mapping of the ACLY gene to a chicken microchromosome. Animal Genetics, 2000, 31, 412-413.	0.6	2
121	Assignment<footref rid="foot01">¹</footref> of TERF1 to chicken chromosome 2q32 and TERF2 to chicken microchromosome 11 by fluorescence in situ hybridization. Cytogenetic and Genome Research, 2001, 92, 175-176.	0.6	2
122	Characterisation of 33 chicken microsatellite loci: 20 new locations on reference maps. Animal Genetics, 1999, 30, 391-393.	0.6	1
123	Integrated chicken genetic and cytogenetic maps with fish identification of microchromosomes. Animal Biotechnology, 1999, 10, 87-91.	0.7	1
124	The chicken LEP (OB) gene has not been mapped. Animal Genetics, 2000, 31, 281-281.	0.6	1
125	Genomics and the Genetic Improvement of Broiler Chicken. Outlook on Agriculture, 2004, 33, 79-84.	1.8	1
126	GÃ©nomique des canards. INRA Productions Animales, 2020, 26, 391-402.	0.3	1

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127	Bases de donnÃ©es en biologie. INRA Productions Animales, 2020, 13, 187-189.	0.3	0
128	Etat de la carte de la poule. INRA Productions Animales, 2020, 13, 113-114.	0.3	0
129	An Integrated Approach of Genetic Resistance to <i>Salmonella</i> Carrier State in Fowls: from Genetics to Genomics and Modelling. Developments in Biologicals, 2008, 132, 353-357.	0.4	0