Elaine A Ostrander

List of Publications by Citations

325 papers	23,187 citations	79 h-index	142 g-index
358 ext. papers	26,894 ext. citations	8.9 avg, IF	6.34 L-index

#	Paper	IF	Citations
325	Genome sequence, comparative analysis and haplotype structure of the domestic dog. *Nature*, **2005**, 438, 803-19	50.4	1809
324	REVEL: An Ensemble Method for Predicting the Pathogenicity of Rare Missense Variants. *American Journal of Human Genetics*, **2016**, 99, 877-885	11	722
323	A mutation in the myostatin gene increases muscle mass and enhances racing performance in heterozygote dogs. *PLoS Genetics*, **2007**, 3, e79	6	537
322	Genome-wide SNP and haplotype analyses reveal a rich history underlying dog domestication. *Nature*, **2010**, 464, 898-902	50.4	526
321	Genetic structure of the purebred domestic dog. *Science*, **2004**, 304, 1160-4	33.3	500
320	A single IGF1 allele is a major determinant of small size in dogs. *Science*, **2007**, 316, 112-5	33.3	472
319	Dynamics of mammalian chromosome evolution inferred from multispecies comparative maps. *Science*, **2005**, 309, 613-7	33.3	447
318	Identification of 23 new prostate cancer susceptibility loci using the iCOGS custom genotyping array. *Nature Genetics*, **2013**, 45, 385-91, 391e1-2	36.3	413
317	Genome sequencing highlights the dynamic early history of dogs. *PLoS Genetics*, **2014**, 10, e1004016	6	372
316	Identification of seven new prostate cancer susceptibility loci through a genome-wide association study. *Nature Genetics*, **2009**, 41, 1116-21	36.3	360
315	Association analyses of more than 140,000 men identify 63 new prostate cancer susceptibility loci. *Nature Genetics*, **2018**, 50, 928-936	36.3	340
314	Identification and characterization of dinucleotide repeat (CA)n markers for genetic mapping in dog. *Genomics*, **1993**, 16, 207-13	4.3	335
313	A simple genetic architecture underlies morphological variation in dogs. *PLoS Biology*, **2010**, 8, e1000451	9.7	331
312	Molecular and evolutionary history of melanism in North American gray wolves. *Science*, **2009**, 323, 1339-43	33.3	292
311	Evidence for a rare prostate cancer-susceptibility locus at chromosome 1p36. *American Journal of Human Genetics*, **1999**, 64, 776-87	11	272
310	BRCA1 mutations in a population-based sample of young women with breast cancer. *New England Journal of Medicine*, **1996**, 334, 137-42	59.2	258
309	Prevalence and predictors of BRCA1 and BRCA2 mutations in a population-based study of breast cancer in white and black American women ages 35 to 64 years. *Cancer Research*, **2006**, 66, 8297-308	10.1	254

308	Seven prostate cancer susceptibility loci identified by a multi-stage genome-wide association study. *Nature Genetics*, **2011**, 43, 785-91	36.3	243
307	An expressed fgf4 retrogene is associated with breed-defining chondrodysplasia in domestic dogs. *Science*, **2009**, 325, 995-8	33.3	238
306	The dog as a cancer model. *Nature Biotechnology*, **2006**, 24, 1065-6	44.5	238
305	Coat variation in the domestic dog is governed by variants in three genes. *Science*, **2009**, 326, 150-3	33.3	226
304	A genome-wide perspective on the evolutionary history of enigmatic wolf-like canids. *Genome Research*, **2011**, 21, 1294-305	9.7	222
303	Extensive and breed-specific linkage disequilibrium in Canis familiaris. *Genome Research*, **2004**, 14, 2388-96	9.7	219
302	A 1-Mb resolution radiation hybrid map of the canine genome. *Proceedings of the National Academy of Sciences of the United States of America*, **2003**, 100, 5296-301	11.5	204
301	A linkage map of the canine genome. *Genomics*, **1997**, 46, 326-36	4.3	188
300	Genomics and conservation genetics. *Trends in Ecology and Evolution*, **2006**, 21, 629-37	10.9	186
299	Chromosome-specific single-locus FISH probes allow anchorage of an 1800-marker integrated radiation-hybrid/linkage map of the domestic dog genome to all chromosomes. *Genome Research*, **2001**, 11, 1784-95	9.7	186
298	A germline DNA polymorphism enhances alternative splicing of the KLF6 tumor suppressor gene and is associated with increased prostate cancer risk. *Cancer Research*, **2005**, 65, 1213-22	10.1	182
297	Genome-wide association study of prostate cancer in men of African ancestry identifies a susceptibility locus at 17q21. *Nature Genetics*, **2011**, 43, 570-3	36.3	171
296	BRCA1 mutations and breast cancer in the general population: analyses in women before age 35 years and in women before age 45 years with first-degree family history. *JAMA - Journal of the American Medical Association*, **1998**, 279, 922-9	27.4	171
295	Genomic Analyses Reveal the Influence of Geographic Origin, Migration, and Hybridization on Modern Dog Breed Development. *Cell Reports*, **2017**, 19, 697-708	10.6	167
294	Assigning African elephant DNA to geographic region of origin: applications to the ivory trade. *Proceedings of the National Academy of Sciences of the United States of America*, **2004**, 101, 14847-52	11.5	164
293	A second-generation genetic linkage map of the domestic dog, Canis familiaris. *Genetics*, **1999**, 151, 803-20	4	163
292	Dog star rising: the canine genetic system. *Nature Reviews Genetics*, **2004**, 5, 900-10	30.1	156
291	Frequency of BRCA1/BRCA2 mutations in a population-based sample of young breast carcinoma cases. *Cancer*, **2000**, 88, 1393-402	6.4	156

290	Genetics of prostate cancer: too many loci, too few genes. *American Journal of Human Genetics*, **2000**, 67, 1367-75	11	152
289	Canine genetics comes of age. *Trends in Genetics*, **2000**, 16, 117-24	8.5	146
288	The canine genome. *Genome Research*, **2005**, 15, 1706-16	9.7	144
287	A mutation in the canine BHD gene is associated with hereditary multifocal renal cystadenocarcinoma and nodular dermatofibrosis in the German Shepherd dog. *Human Molecular Genetics*, **2003**, 12, 3043-53	5.6	140
286	An integrated linkage-radiation hybrid map of the canine genome. *Mammalian Genome*, **2000**, 11, 120-30	3.2	138
285	Global patterns of prostate cancer incidence, aggressiveness, and mortality in men of african descent. *Prostate Cancer*, **2013**, 2013, 560857	1.9	136
284	HOXB13 is a susceptibility gene for prostate cancer: results from the International Consortium for Prostate Cancer Genetics (ICPCG). *Human Genetics*, **2013**, 132, 5-14	6.3	134
283	Man's best friend becomes biology's best in show: genome analyses in the domestic dog. *Annual Review of Genetics*, **2010**, 44, 309-36	14.5	134
282	Multiple novel prostate cancer predisposition loci confirmed by an international study: the PRACTICAL Consortium. *Cancer Epidemiology Biomarkers and Prevention*, **2008**, 17, 2052-61	4	134
281	Lessons learned from the dog genome. *Trends in Genetics*, **2007**, 23, 557-67	8.5	133
280	Genetic basis for systems of skeletal quantitative traits: principal component analysis of the canid skeleton. *Proceedings of the National Academy of Sciences of the United States of America*, **2002**, 99, 9930-5	11.5	132
279	Distinct B-cell and T-cell lymphoproliferative disease prevalence among dog breeds indicates heritable risk. *Cancer Research*, **2005**, 65, 5654-61	10.1	130
278	Association of TMPRSS2-ERG gene fusion with clinical characteristics and outcomes: results from a population-based study of prostate cancer. *BMC Cancer*, **2008**, 8, 230	4.8	129
277	A combined genomewide linkage scan of 1,233 families for prostate cancer-susceptibility genes conducted by the international consortium for prostate cancer genetics. *American Journal of Human Genetics*, **2005**, 77, 219-29	11	129
276	Statin use and risk of prostate cancer: results from a population-based epidemiologic study. *American Journal of Epidemiology*, **2008**, 168, 250-60	3.8	128
275	Expanded repeat in canine epilepsy. *Science*, **2005**, 307, 81	33.3	128
274	Canine CNGB3 mutations establish cone degeneration as orthologous to the human achromatopsia locus ACHM3. *Human Molecular Genetics*, **2002**, 11, 1823-33	5.6	128
273	Aurora-A/STK15 T+91A is a general low penetrance cancer susceptibility gene: a meta-analysis of multiple cancer types. *Carcinogenesis*, **2005**, 26, 1368-73	4.6	124

272	Complex population structure in African village dogs and its implications for inferring dog domestication history. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106, 13903-8	11.5	119
271	Variation of BMP3 contributes to dog breed skull diversity. *PLoS Genetics*, **2012**, 8, e1002849	6	117
270	Breed relationships facilitate fine-mapping studies: a 7.8-kb deletion cosegregates with Collie eye anomaly across multiple dog breeds. *Genome Research*, **2007**, 17, 1562-71	9.7	117
269	Leading the way: canine models of genomics and disease. *DMM Disease Models and Mechanisms*, **2010**, 3, 27-34	4.1	114
268	Understanding missense mutations in the BRCA1 gene: an evolutionary approach. *Proceedings of the National Academy of Sciences of the United States of America*, **2003**, 100, 1151-6	11.5	114
267	Testing the circadian gene hypothesis in prostate cancer: a population-based case-control study. *Cancer Research*, **2009**, 69, 9315-22	10.1	113
266	A meta-analysis of genome-wide association studies to identify prostate cancer susceptibility loci associated with aggressive and non-aggressive disease. *Human Molecular Genetics*, **2013**, 22, 408-15	5.6	109
265	Single-nucleotide-polymorphism-based association mapping of dog stereotypes. *Genetics*, **2008**, 179, 1033-44	4	108
264	Expression of SLCO transport genes in castration-resistant prostate cancer and impact of genetic variation in SLCO1B3 and SLCO2B1 on prostate cancer outcomes. *Cancer Epidemiology Biomarkers and Prevention*, **2011**, 20, 619-27	4	107
263	Linkage analysis of 49 high-risk families does not support a common familial prostate cancer-susceptibility gene at 1q24-25. *American Journal of Human Genetics*, **1997**, 61, 347-53	11	107
262	Histocompatibility testing of dog families with highly polymorphic microsatellite markers. *Transplantation*, **1996**, 62, 876-7	1.8	107
261	Linkage disequilibrium and demographic history of wild and domestic canids. *Genetics*, **2009**, 181, 1493-505	4	106
260	Whole genome sequencing of canids reveals genomic regions under selection and variants influencing morphology. *Nature Communications*, **2019**, 10, 1489	17.4	103
259	Canine genomics and genetics: running with the pack. *PLoS Genetics*, **2005**, 1, e58	6	101
258	FGFR2 variants and breast cancer risk: fine-scale mapping using African American studies and analysis of chromatin conformation. *Human Molecular Genetics*, **2009**, 18, 1692-703	5.6	100
257	Comprehensive association analysis of the vitamin D pathway genes, VDR, CYP27B1, and CYP24A1, in prostate cancer. *Cancer Epidemiology Biomarkers and Prevention*, **2007**, 16, 1990-9	4	90
256	An integrated 4249 marker FISH/RH map of the canine genome. *BMC Genomics*, **2004**, 5, 65	4.5	90
255	Derived variants at six genes explain nearly half of size reduction in dog breeds. *Genome Research*, **2013**, 23, 1985-95	9.7	89

254	Fine-mapping identifies multiple prostate cancer risk loci at 5p15, one of which associates with TERT expression. *Human Molecular Genetics*, **2013**, 22, 2520-8	5.6	88
253	Increased frequency of ATM mutations in breast carcinoma patients with early onset disease and positive family history. *Cancer*, **2001**, 92, 479-87	6.4	88
252	Validity of models for predicting BRCA1 and BRCA2 mutations. *Annals of Internal Medicine*, **2007**, 147, 441-50	8	87
251	Structural variants in genes associated with human Williams-Beuren syndrome underlie stereotypical hypersociability in domestic dogs. *Science Advances*, **2017**, 3, e1700398	14.3	86
250	Patterns of molecular genetic variation among African elephant populations. *Molecular Ecology*, **2002**, 11, 2489-98	5.7	86
249	Demographic history, selection and functional diversity of the canine genome. *Nature Reviews Genetics*, **2017**, 18, 705-720	30.1	85
248	Confirmation of a positive association between prostate cancer risk and a locus at chromosome 8q24. *Cancer Epidemiology Biomarkers and Prevention*, **2007**, 16, 809-14	4	84
247	Validation of genome-wide prostate cancer associations in men of African descent. *Cancer Epidemiology Biomarkers and Prevention*, **2011**, 20, 23-32	4	79
246	Identification, replication, and fine-mapping of Loci associated with adult height in individuals of african ancestry. *PLoS Genetics*, **2011**, 7, e1002298	6	77
245	Canine behavioral genetics: pointing out the phenotypes and herding up the genes. *American Journal of Human Genetics*, **2008**, 82, 10-8	11	77
244	A genomic scan of families with prostate cancer identifies multiple regions of interest. *American Journal of Human Genetics*, **2000**, 67, 100-9	11	77
243	Two susceptibility loci identified for prostate cancer aggressiveness. *Nature Communications*, **2015**, 6, 6889	17.4	75
242	Clinical utility of five genetic variants for predicting prostate cancer risk and mortality. *Prostate*, **2009**, 69, 363-72	4.2	75
241	Use of aspirin and other nonsteroidal antiinflammatory medications in relation to prostate cancer risk. *American Journal of Epidemiology*, **2010**, 172, 578-90	3.8	74
240	Homologous Mutation to Human BRAF V600E Is Common in Naturally Occurring Canine Bladder Cancer--Evidence for a Relevant Model System and Urine-Based Diagnostic Test. *Molecular Cancer Research*, **2015**, 13, 993-1002	6.6	73
239	Genetic variation in DNA repair genes and prostate cancer risk: results from a population-based study. *Cancer Causes and Control*, **2010**, 21, 289-300	2.8	73
238	Strategic vision for improving human health at The Forefront of Genomics. *Nature*, **2020**, 586, 683-692	50.4	73
237	Pharmacogenetic and metabolic differences between dog breeds: their impact on canine medicine and the use of the dog as a preclinical animal model. *AAPS Journal*, **2008**, 10, 110-9	3.7	70

236	Epidemiology, pathology, and genetics of histiocytic sarcoma in the Bernese mountain dog breed. *Journal of Heredity*, **2009**, 100 Suppl 1, S19-27	2.4	69
235	Bilaterally asymmetric effects of quantitative trait loci (QTLs): QTLs that affect laxity in the right versus left coxofemoral (hip) joints of the dog (Canis familiaris). *American Journal of Medical Genetics Part A*, **2004**, 124A, 239-47		67
234	Origin, genetic diversity, and genome structure of the domestic dog. *BioEssays*, **1999**, 21, 247-57	4.1	67
233	The MTAP-CDKN2A locus confers susceptibility to a naturally occurring canine cancer. *Cancer Epidemiology Biomarkers and Prevention*, **2012**, 21, 1019-27	4	66
232	Massively parallel sequencing, aCGH, and RNA-Seq technologies provide a comprehensive molecular diagnosis of Fanconi anemia. *Blood*, **2013**, 121, e138-48	2.2	65
231	Genetics of athletic performance. *Annual Review of Genomics and Human Genetics*, **2009**, 10, 407-29	9.7	64
230	Vitamin D pathway gene variants and prostate cancer prognosis. *Prostate*, **2010**, 70, 1448-60	4.2	64
229	Evaluation of linkage of breast cancer to the putative BRCA3 locus on chromosome 13q21 in 128 multiple case families from the Breast Cancer Linkage Consortium. *Proceedings of the National Academy of Sciences of the United States of America*, **2002**, 99, 827-31	11.5	64
228	Analysis of chromosome 1q42.2-43 in 152 families with high risk of prostate cancer. *American Journal of Human Genetics*, **1999**, 64, 1087-95	11	64
227	Semper fidelis: what man's best friend can teach us about human biology and disease. *American Journal of Human Genetics*, **1997**, 61, 475-80	11	62
226	Multiple independent genetic variants in the 8q24 region are associated with prostate cancer risk. *Cancer Epidemiology Biomarkers and Prevention*, **2008**, 17, 1203-13	4	62
225	Vitamin D receptor polymorphisms and breast cancer risk in a large population-based case-control study of Caucasian and African-American women. *Breast Cancer Research*, **2007**, 9, R84	8.3	62
224	BRCA1 and BRCA2 mutations in women from Shanghai China. *Cancer Epidemiology Biomarkers and Prevention*, **2004**, 13, 181-9	4	62
223	Trans-ancestry genome-wide association meta-analysis of prostate cancer identifies new susceptibility loci and informs genetic risk prediction. *Nature Genetics*, **2021**, 53, 65-75	36.3	62
222	Facilitating genome navigation: survey sequencing and dense radiation-hybrid gene mapping. *Nature Reviews Genetics*, **2005**, 6, 643-8	30.1	61
221	Domestic dogs and cancer research: a breed-based genomics approach. *ILAR Journal*, **2014**, 55, 59-68	1.7	59
220	Interaction between the X chromosome and an autosome regulates size sexual dimorphism in Portuguese Water Dogs. *Genome Research*, **2005**, 15, 1820-4	9.7	59
219	Insights into morphology and disease from the dog genome project. *Annual Review of Cell and Developmental Biology*, **2014**, 30, 535-60	12.6	58

218	Genetic variants in the LEPR, CRY1, RNASEL, IL4, and ARVCF genes are prognostic markers of prostate cancer-specific mortality. *Cancer Epidemiology Biomarkers and Prevention*, **2011**, 20, 1928-36	4	58
217	Fine-mapping of prostate cancer susceptibility loci in a large meta-analysis identifies candidate causal variants. *Nature Communications*, **2018**, 9, 2256	17.4	57
216	The genetics of canine skull shape variation. *Genetics*, **2013**, 193, 317-25	4	57
215	Fine scale mapping of the breast cancer 16q12 locus. *Human Molecular Genetics*, **2010**, 19, 2507-15	5.6	57
214	Genomic scan of 254 hereditary prostate cancer families. *Prostate*, **2003**, 57, 309-19	4.2	57
213	Canine population structure: assessment and impact of intra-breed stratification on SNP-based association studies. *PLoS ONE*, **2007**, 2, e1324	3.7	57
212	Demographically-Based Evaluation of Genomic Regions under Selection in Domestic Dogs. *PLoS Genetics*, **2016**, 12, e1005851	6	56
211	Pooled genome linkage scan of aggressive prostate cancer: results from the International Consortium for Prostate Cancer Genetics. *Human Genetics*, **2006**, 120, 471-85	6.3	55
210	Vitamin D receptor gene polymorphisms and prostate cancer risk. *Prostate*, **2004**, 59, 409-18	4.2	55
209	Analysis of recently identified prostate cancer susceptibility loci in a population-based study: associations with family history and clinical features. *Clinical Cancer Research*, **2009**, 15, 3231-7	12.9	54
208	A novel retinal degeneration locus identified by linkage and comparative mapping of canine early retinal degeneration. *Genomics*, **1999**, 59, 134-42	4.3	53
207	The concerted impact of domestication and transposon insertions on methylation patterns between dogs and grey wolves. *Molecular Ecology*, **2016**, 25, 1838-55	5.7	52
206	A copy number variant at the KITLG locus likely confers risk for canine squamous cell carcinoma of the digit. *PLoS Genetics*, **2013**, 9, e1003409	6	51
205	The insulin-like growth factor 1 receptor (IGF1R) contributes to reduced size in dogs. *Mammalian Genome*, **2012**, 23, 780-90	3.2	51
204	Franklin H. Epstein Lecture. Both ends of the leash--the human links to good dogs with bad genes. *New England Journal of Medicine*, **2012**, 367, 636-46	59.2	51
203	The IGF1 small dog haplotype is derived from Middle Eastern grey wolves. *BMC Biology*, **2010**, 8, 16	7.3	51
202	Linkage mapping of the primary disease locus for collie eye anomaly. *Genomics*, **2003**, 82, 86-95	4.3	49
201	Comparison against 186 canid whole-genome sequences reveals survival strategies of an ancient clonally transmissible canine tumor. *Genome Research*, **2015**, 25, 1646-55	9.7	48

200	Transmissible Tumors: Breaking the Cancer Paradigm. *Trends in Genetics*, **2016**, 32, 1-15	8.5	48
199	Telomere length correlates with life span of dog breeds. *Cell Reports*, **2012**, 2, 1530-6	10.6	48
198	Epigenome-Wide Tumor DNA Methylation Profiling Identifies Novel Prognostic Biomarkers of Metastatic-Lethal Progression in Men Diagnosed with Clinically Localized Prostate Cancer. *Clinical Cancer Research*, **2017**, 23, 311-319	12.9	47
197	Rare, protein-truncating variants in , and , but not , are associated with increased breast cancer risks. *Journal of Medical Genetics*, **2017**, 54, 732-741	5.8	47
196	Morphometrics within dog breeds are highly reproducible and dispute Rensch's rule. *Mammalian Genome*, **2008**, 19, 713-23	3.2	47
195	Polymorphic microsatellite DNA loci identified in the African elephant (Loxodonta africana). *Molecular Ecology*, **2000**, 9, 1004-6	5.7	47
194	Anchoring of canine linkage groups with chromosome-specific markers. *Mammalian Genome*, **1999**, 10, 814-23	3.2	47
193	Risk Analysis of Prostate Cancer in PRACTICAL, a Multinational Consortium, Using 25 Known Prostate Cancer Susceptibility Loci. *Cancer Epidemiology Biomarkers and Prevention*, **2015**, 24, 1121-9	4	46
192	Genetic polymorphisms in inflammation pathway genes and prostate cancer risk. *Cancer Epidemiology Biomarkers and Prevention*, **2011**, 20, 923-33	4	46
191	Genetic mapping of fixed phenotypes: disease frequency as a breed characteristic. *Journal of Heredity*, **2009**, 100 Suppl 1, S37-41	2.4	45
190	Chromosome-specific microsatellite multiplex sets for linkage studies in the domestic dog. *Genomics*, **2004**, 84, 550-4	4.3	45
189	Genetic linkage analysis of prostate cancer families to Xq27-28. *Human Heredity*, **2001**, 51, 107-13	1.1	45
188	HOXB13 mutations in a population-based, case-control study of prostate cancer. *Prostate*, **2013**, 73, 634-41	4	44
187	Evaluation of 8q24 and 17q risk loci and prostate cancer mortality. *Clinical Cancer Research*, **2009**, 15, 3223-30	12.9	44
186	Frequency of CHEK2 mutations in a population based, case-control study of breast cancer in young women. *Breast Cancer Research*, **2004**, 6, R629-35	8.3	44
185	Construction of a 2-Mb resolution BAC microarray for CGH analysis of canine tumors. *Genome Research*, **2005**, 15, 1831-7	9.7	44
184	Genome-wide association study identifies a genetic variant associated with risk for more aggressive prostate cancer. *Cancer Epidemiology Biomarkers and Prevention*, **2011**, 20, 1196-203	4	43
183	Diabetes mellitus and prostate cancer risk. *Prostate*, **2008**, 68, 1126-32	4.2	42

182	Prostate cancer and genetic susceptibility: a genome scan incorporating disease aggressiveness. *Prostate*, **2006**, 66, 317-25	4.2	42
181	Widespread, long-term admixture between grey wolves and domestic dogs across Eurasia and its implications for the conservation status of hybrids. *Evolutionary Applications*, **2018**, 11, 662-680	4.8	41
180	Vitamin D pathway gene variants and prostate cancer risk. *Cancer Epidemiology Biomarkers and Prevention*, **2009**, 18, 1929-33	4	41
179	Association of megalin genetic polymorphisms with prostate cancer risk and prognosis. *Clinical Cancer Research*, **2008**, 14, 3823-31	12.9	40
178	Prostate tumor DNA methylation is associated with cigarette smoking and adverse prostate cancer outcomes. *Cancer*, **2016**, 122, 2168-77	6.4	38
177	Polymorphic repeats in the androgen receptor gene in high-risk sibships. *Prostate*, **2001**, 48, 200-5	4.2	38
176	Prostate cancer predisposition loci and risk of metastatic disease and prostate cancer recurrence. *Clinical Cancer Research*, **2011**, 17, 1075-81	12.9	37
175	Identification of recent hybridization between gray wolves and domesticated dogs by SNP genotyping. *Mammalian Genome*, **2013**, 24, 80-8	3.2	36
174	Linkage analysis of 150 high-risk prostate cancer families at 1q24-25. *Genetic Epidemiology*, **2000**, 18, 251-75	2.6	35
173	Associations of prostate cancer risk variants with disease aggressiveness: results of the NCI-SPORE Genetics Working Group analysis of 18,343 cases. *Human Genetics*, **2015**, 134, 439-50	6.3	34
172	Subcutaneous 5-azacitidine treatment of naturally occurring canine urothelial carcinoma: a novel epigenetic approach to human urothelial carcinoma drug development. *Journal of Urology*, **2012**, 187, 302-9	2.5	34
171	Germline mutations in the BRCA2 gene and susceptibility to hereditary prostate cancer. *Clinical Cancer Research*, **2007**, 13, 839-43	12.9	34
170	Whole-genome sequence, SNP chips and pedigree structure: building demographic profiles in domestic dog breeds to optimize genetic-trait mapping. *DMM Disease Models and Mechanisms*, **2016**, 9, 1445-1460	4.1	34
169	Epigenomic profiling of DNA methylation in paired prostate cancer versus adjacent benign tissue. *Prostate*, **2015**, 75, 1941-50	4.2	33
168	Common germline polymorphisms in COMT, CYP19A1, ESR1, PGR, SULT1E1 and STS and survival after a diagnosis of breast cancer. *International Journal of Cancer*, **2009**, 125, 2687-96	7.5	33
167	Characterization of a minimal screening set of 172 microsatellite markers for genome-wide screens of the canine genome. *Journal of Proteomics*, **2001**, 47, 137-49		33
166	Quantitative Translation of Dog-to-Human Aging by Conserved Remodeling of the DNA Methylome. *Cell Systems*, **2020**, 11, 176-185.e6	10.6	32
165	A genetic dissection of breed composition and performance enhancement in the Alaskan sled dog. *BMC Genetics*, **2010**, 11, 71	2.6	32

164	Truncating BRCA1 mutations are uncommon in a cohort of hereditary prostate cancer families with evidence of linkage to 17q markers. *Clinical Cancer Research*, **2004**, 10, 5975-80	12.9	32
163	Finding prostate cancer susceptibility genes. *Annual Review of Genomics and Human Genetics*, **2004**, 5, 151-75	9.7	32
162	Androgen metabolism and JAK/STAT pathway genes and prostate cancer risk. *Cancer Epidemiology*, **2012**, 36, 347-53	2.8	31
161	Germline missense variants in the BTNL2 gene are associated with prostate cancer susceptibility. *Cancer Epidemiology Biomarkers and Prevention*, **2013**, 22, 1520-8	4	31
160	IGF-I and IGFBP-3 polymorphisms and risk of prostate cancer. *Prostate*, **2005**, 65, 44-51	4.2	31
159	Genetic selection of athletic success in sport-hunting dogs. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, E7212-E7221	11.5	31
158	Universal DNA methylation age across mammalian tissues		31
157	Fine-mapping the HOXB region detects common variants tagging a rare coding allele: evidence for synthetic association in prostate cancer. *PLoS Genetics*, **2014**, 10, e1004129	6	30
156	Construction of a panel of canine-rodent hybrid cell lines for use in partitioning of the canine genome. *Genomics*, **1997**, 46, 317-25	4.3	30
155	The role of the BRCA2 gene in susceptibility to prostate cancer revisited. *Cancer Epidemiology Biomarkers and Prevention*, **2008**, 17, 1843-8	4	30
154	Compelling evidence for a prostate cancer gene at 22q12.3 by the International Consortium for Prostate Cancer Genetics. *Human Molecular Genetics*, **2007**, 16, 1271-8	5.6	30
153	Canine morphology: hunting for genes and tracking mutations. *PLoS Biology*, **2010**, 8, e1000310	9.7	29
152	Natural Selection and Origin of a Melanistic Allele in North American Gray Wolves. *Molecular Biology and Evolution*, **2018**, 35, 1190-1209	8.3	28
151	So many doggone traits: mapping genetics of multiple phenotypes in the domestic dog. *Human Molecular Genetics*, **2012**, 21, R52-7	5.6	28
150	Polymorphisms in CYP17 and CYP3A4 and prostate cancer in men of African descent. *Prostate*, **2013**, 73, 668-76	4.2	28
149	Dog10K: an international sequencing effort to advance studies of canine domestication, phenotypes and health. *National Science Review*, **2019**, 6, 810-824	10.8	27
148	Analysis of large versus small dogs reveals three genes on the canine X chromosome associated with body weight, muscling and back fat thickness. *PLoS Genetics*, **2017**, 13, e1006661	6	27
147	Genome-wide association of familial prostate cancer cases identifies evidence for a rare segregating haplotype at 8q24.21. *Human Genetics*, **2016**, 135, 923-38	6.3	27

146	Association of variants in estrogen-related pathway genes with prostate cancer risk. *Prostate*, **2013**, 73, 1-10	4.2	27
145	Comprehensive analysis of pathogenic deletion variants in Fanconi anemia genes. *Human Mutation*, **2014**, 35, 1342-53	4.7	27
144	Validation study of genes with hypermethylated promoter regions associated with prostate cancer recurrence. *Cancer Epidemiology Biomarkers and Prevention*, **2014**, 23, 1331-9	4	27
143	Germline mutations in the p73 gene do not predispose to familial prostate-brain cancer. *Prostate*, **2001**, 48, 292-6	4.2	27
142	Biallelic BRCA2 Mutations Shape the Somatic Mutational Landscape of Aggressive Prostate Tumors. *American Journal of Human Genetics*, **2016**, 98, 818-829	11	26
141	A polymorphism in the CYP17 gene and risk of prostate cancer. *Cancer Epidemiology Biomarkers and Prevention*, **2002**, 11, 243-7	4	26
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