Stephen Obrien

List of Publications by Citations

443 papers	40,587 citations	98 h-index	187 g-index
458 ext. papers	45,071 ext. citations	10.2 avg, IF	6.87 L-index

#	Paper	IF	Citations
443	Molecular phylogenetics and the origins of placental mammals. *Nature*, **2001**, 409, 614-8	50.4	1178
442	Resolution of the early placental mammal radiation using Bayesian phylogenetics. *Science*, **2001**, 294, 2348-51	33.3	1077
441	HLA and HIV-1: heterozygote advantage and B*35-Cw*04 disadvantage. *Science*, **1999**, 283, 1748-52	33.3	1039
440	Epistatic interaction between KIR3DS1 and HLA-B delays the progression to AIDS. *Nature Genetics*, **2002**, 31, 429-34	36.3	949
439	HLA and NK cell inhibitory receptor genes in resolving hepatitis C virus infection. *Science*, **2004**, 305, 872-4	33.3	936
438	A molecular phylogeny of living primates. *PLoS Genetics*, **2011**, 7, e1001342	6	916
437	A molecular phylogeny for bats illuminates biogeography and the fossil record. *Science*, **2005**, 307, 580-4	33.3	834
436	Contrasting genetic influence of CCR2 and CCR5 variants on HIV-1 infection and disease progression. Hemophilia Growth and Development Study (HGDS), Multicenter AIDS Cohort Study (MACS), Multicenter Hemophilia Cohort Study (MHCS), San Francisco City Cohort (SFCC), ALIVE Study. *Science*, **1997**, 277, 959-65	33.3	756
435	Placental mammal diversification and the Cretaceous-Tertiary boundary. *Proceedings of the National Academy of Sciences of the United States of America*, **2003**, 100, 1056-61	11.5	666
434	The influence of HLA genotype on AIDS. *Annual Review of Medicine*, **2003**, 54, 535-51	17.4	635
433	Comparative genomics reveals insights into avian genome evolution and adaptation. *Science*, **2014**, 346, 1311-20	33.3	628
432	Genetic restriction of AIDS pathogenesis by an SDF-1 chemokine gene variant. ALIVE Study, Hemophilia Growth and Development Study (HGDS), Multicenter AIDS Cohort Study (MACS), Multicenter Hemophilia Cohort Study (MHCS), San Francisco City Cohort (SFCC). *Science*, **1998**, 279, 389-93	33.3	583
431	Innate partnership of HLA-B and KIR3DL1 subtypes against HIV-1. *Nature Genetics*, **2007**, 39, 733-40	36.3	579
430	A canine distemper virus epidemic in Serengeti lions (Panthera leo). *Nature*, **1996**, 379, 441-5	50.4	543
429	The late Miocene radiation of modern Felidae: a genetic assessment. *Science*, **2006**, 311, 73-7	33.3	505
428	Mechanism of met oncogene activation. *Cell*, **1986**, 45, 895-904	56.2	477
427	Anchored reference loci for comparative genome mapping in mammals. *Nature Genetics*, **1993**, 3, 103-12	36.3	457

426	Dynamics of mammalian chromosome evolution inferred from multispecies comparative maps. *Science*, **2005**, 309, 613-7	33.3	447
425	Dating the origin of the CCR5-Delta32 AIDS-resistance allele by the coalescence of haplotypes. *American Journal of Human Genetics*, **1998**, 62, 1507-15	11	428
424	Effect of a single amino acid change in MHC class I molecules on the rate of progression to AIDS. *New England Journal of Medicine*, **2001**, 344, 1668-75	59.2	417
423	Interactive influence of infectious disease and genetic diversity in natural populations. *Trends in Ecology and Evolution*, **1988**, 3, 254-9	10.9	390
422	Numt, a recent transfer and tandem amplification of mitochondrial DNA to the nuclear genome of the domestic cat. *Journal of Molecular Evolution*, **1994**, 39, 174-90	3.1	387
421	Methods for high-density admixture mapping of disease genes. *American Journal of Human Genetics* , **2004**, 74, 979-1000	11	386
420	A high-density admixture map for disease gene discovery in african americans. *American Journal of Human Genetics*, **2004**, 74, 1001-13	11	379
419	The promise of comparative genomics in mammals. *Science*, **1999**, 286, 458-62, 479-81	33.3	372
418	Genetic restoration of the Florida panther. *Science*, **2010**, 329, 1641-5	33.3	349
417	The Near Eastern origin of cat domestication. *Science*, **2007**, 317, 519-23	33.3	337
416	Detecting single base substitutions as heteroduplex polymorphisms. *Genomics*, **1992**, 12, 301-6	4.3	332
415	A genetic linkage map of microsatellites in the domestic cat (Felis catus). *Genomics*, **1999**, 57, 9-23	4.3	329
414	Bureaucratic mischief: recognizing endangered species and subspecies. *Science*, **1991**, 251, 1187-8	33.3	326
413	Common genetic variation and the control of HIV-1 in humans. *PLoS Genetics*, **2009**, 5, e1000791	6	310
412	Comparative anchor tagged sequences (CATS) for integrative mapping of mammalian genomes. *Nature Genetics*, **1997**, 15, 47-56	36.3	306
411	A variant of the gene encoding leukotriene A4 hydrolase confers ethnicity-specific risk of myocardial infarction. *Nature Genetics*, **2006**, 38, 68-74	36.3	304
410	Genetic fingerprinting reflects population differentiation in the California Channel Island fox. *Nature*, **1990**, 344, 764-7	50.4	299
409	From wild animals to domestic pets, an evolutionary view of domestication. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106 Suppl 1, 9971-8	11.5	295

408	Mammalian phylogenomics comes of age. *Trends in Genetics*, **2004**, 20, 631-9	8.5	288
407	The consequences of demographic reduction and genetic depletion in the endangered Florida panther. *Current Biology*, **1993**, 3, 340-50	6.3	276
406	Human genes that limit AIDS. *Nature Genetics*, **2004**, 36, 565-74	36.3	252
405	Initial sequence and comparative analysis of the cat genome. *Genome Research*, **2007**, 17, 1675-89	9.7	248
404	The adaptive evolution of the mammalian mitochondrial genome. *BMC Genomics*, **2008**, 9, 119	4.5	234
403	Molecular genetics and evolution of melanism in the cat family. *Current Biology*, **2003**, 13, 448-53	6.3	229
402	Genetic evidence for two species of elephant in Africa. *Science*, **2001**, 293, 1473-7	33.3	227
401	Genome-wide scans for footprints of natural selection. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2010**, 365, 185-205	5.8	225
400	The Genome 10K Project: a way forward. *Annual Review of Animal Biosciences*, **2015**, 3, 57-111	13.7	223
399	The effect of genetic variation in chemokines and their receptors on HIV transmission and progression to AIDS. *Immunological Reviews*, **2000**, 177, 99-111	11.3	221
398	Mitochondrial genomes reveal an explosive radiation of extinct and extant bears near the Miocene-Pliocene boundary. *BMC Evolutionary Biology*, **2008**, 8, 220	3	207
397	Complete nucleotide sequences of the domestic cat (Felis catus) mitochondrial genome and a transposed mtDNA tandem repeat (Numt) in the nuclear genome. *Genomics*, **1996**, 33, 229-46	4.3	207
396	Accounting for multiple comparisons in a genome-wide association study (GWAS). *BMC Genomics*, **2010**, 11, 724	4.5	191
395	Minke whale genome and aquatic adaptation in cetaceans. *Nature Genetics*, **2014**, 46, 88-92	36.3	186
394	Comparative analysis of the domestic cat genome reveals genetic signatures underlying feline biology and domestication. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, 17230-5	11.5	184
393	A molecular solution to the riddle of the giant panda's phylogeny. *Nature*, **1985**, 317, 140-4	50.4	184
392	Guidelines for naming nonprimate APOBEC3 genes and proteins. *Journal of Virology*, **2009**, 83, 494-7	6.6	182
391	Canine and feline parvoviruses can use human or feline transferrin receptors to bind, enter, and infect cells. *Journal of Virology*, **2001**, 75, 3896-902	6.6	178

390	Pattern and timing of diversification of the mammalian order Carnivora inferred from multiple nuclear gene sequences. *Molecular Phylogenetics and Evolution*, **2010**, 56, 49-63	4.1	173
389	Mapping by admixture linkage disequilibrium: advances, limitations and guidelines. *Nature Reviews Genetics*, **2005**, 6, 623-32	30.1	172
388	AIDS restriction HLA allotypes target distinct intervals of HIV-1 pathogenesis. *Nature Medicine*, **2005**, 11, 1290-2	50.5	171
387	Cytonuclear genomic dissociation in African elephant species. *Nature Genetics*, **2005**, 37, 96-100	36.3	166
386	Modulating influence on HIV/AIDS by interacting RANTES gene variants. *Proceedings of the National Academy of Sciences of the United States of America*, **2002**, 99, 10002-7	11.5	166
385	APOBEC3G genetic variants and their influence on the progression to AIDS. *Journal of Virology*, **2004**, 78, 11070-6	6.6	164
384	Expression of the human c-fms proto-oncogene in hematopoietic cells and its deletion in the 5q- syndrome. *Cell*, **1985**, 42, 421-8	56.2	164
383	HLA-Cw*04 and hepatitis C virus persistence. *Journal of Virology*, **2002**, 76, 4792-7	6.6	160
382	Phylogeography, population history and conservation genetics of jaguars (Panthera onca, Mammalia, Felidae). *Molecular Ecology*, **2001**, 10, 65-79	5.7	156
381	Phylogeography and genetic ancestry of tigers (Panthera tigris). *PLoS Biology*, **2004**, 2, e442	9.7	153
380	Dispersion of the ras family of transforming genes to four different chromosomes in man. *Nature*, **1983**, 302, 839-42	50.4	150
379	The tiger genome and comparative analysis with lion and snow leopard genomes. *Nature Communications*, **2013**, 4, 2433	17.4	147
378	A family matter: conclusive resolution of the taxonomic position of the long-fingered bats, miniopterus. *Molecular Biology and Evolution*, **2007**, 24, 1553-61	8.3	144
377	Phylogenetic reconstruction of the Felidae using 16S rRNA and NADH-5 mitochondrial genes. *Journal of Molecular Evolution*, **1997**, 44 Suppl 1, S98-116	3.1	143
376	Unusual polymorphisms in human immunodeficiency virus type 1 associated with nonprogressive infection. *Journal of Virology*, **2000**, 74, 4361-76	6.6	143
375	Novel alleles of the chemokine-receptor gene CCR5. *American Journal of Human Genetics*, **1997**, 61, 1261-7		141
374	Exclusive and persistent use of the entry coreceptor CXCR4 by human immunodeficiency virus type 1 from a subject homozygous for CCR5 delta32. *Journal of Virology*, **1998**, 72, 6040-7	6.6	139
373	Balanced polymorphism selected by genetic versus infectious human disease. *Annual Review of Genomics and Human Genetics*, **2002**, 3, 263-92	9.7	137

372	Immunologic and virologic response to highly active antiretroviral therapy in the Multicenter AIDS Cohort Study. *Aids*, **2001**, 15, 735-46	3.5	135
371	Origin of the HIV-susceptible human CD4+ cell line H9. *AIDS Research and Human Retroviruses*, **1989** , 5, 253-5	1.6	132
370	Mesozoic origin for West Indian insectivores. *Nature*, **2004**, 429, 649-51	50.4	131
369	KIR/HLA pleiotropism: protection against both HIV and opportunistic infections. *PLoS Pathogens*, **2006**, 2, e79	7.6	129
368	Phylogenetics, genome diversity and origin of modern leopard, Panthera pardus. *Molecular Ecology*, **2001**, 10, 2617-33	5.7	129
367	Molecular analysis of integrated human papillomavirus 16 sequences in the cervical cancer cell line SiHa. *Virology*, **1987**, 159, 389-98	3.6	129
366	Markers for mapping by admixture linkage disequilibrium in African American and Hispanic populations. *American Journal of Human Genetics*, **2001**, 69, 1080-94	11	123
365	Every genome sequence needs a good map. *Genome Research*, **2009**, 19, 1925-8	9.7	122
364	Seroprevalence and genomic divergence of circulating strains of feline immunodeficiency virus among Felidae and Hyaenidae species. *Journal of Virology*, **2005**, 79, 8282-94	6.6	122
363	Transactivation induced by human T-lymphotropic virus type III (HTLV III) maps to a viral sequence encoding 58 amino acids and lacks tissue specificity. *Virology*, **1986**, 148, 226-31	3.6	119
362	Genome-wide Evidence Reveals that African and Eurasian Golden Jackals Are Distinct Species. *Current Biology*, **2015**, 25, 2158-65	6.3	118
361	Genetic variance of laboratory outbred Swiss mice. *Nature*, **1980**, 283, 157-61	50.4	118
360	Genomics in Conservation: Case Studies and Bridging the Gap between Data and Application. *Trends in Ecology and Evolution*, **2016**, 31, 81-83	10.9	115
359	Comparative genomics: lessons from cats. *Trends in Genetics*, **1997**, 13, 393-9	8.5	115
358	Comprehensive analysis of class I and class II HLA antigens and chronic hepatitis B virus infection. *Journal of Virology*, **2003**, 77, 12083-7	6.6	113
357	Influence of the CCR2-V64I polymorphism on human immunodeficiency virus type 1 coreceptor activity and on chemokine receptor function of CCR2b, CCR3, CCR5, and CXCR4. *Journal of Virology*, **1998**, 72, 7450-8	6.6	113
356	Mammalian genome mapping: lessons and prospects. *Current Opinion in Genetics and Development*, **1991**, 1, 105-11	4.9	110
355	Evaluation of nonviral risk factors for nasopharyngeal carcinoma in a high-risk population of Southern China. *International Journal of Cancer*, **2009**, 124, 2942-7	7.5	109

354	Strong influence of human leukocyte antigen (HLA)-DP gene variants on development of persistent chronic hepatitis B virus carriers in the Han Chinese population. *Hepatology*, **2011**, 53, 422-8	11.2	106
353	Effects of human TRIM5alpha polymorphisms on antiretroviral function and susceptibility to human immunodeficiency virus infection. *Virology*, **2006**, 354, 15-27	3.6	105
352	Patterns of Genetic Diversity in Remaining Giant Panda Populations. *Conservation Biology*, **2001**, 15, 1596-1607	6	104
351	Functions, structure, and read-through alternative splicing of feline APOBEC3 genes. *Genome Biology*, **2008**, 9, R48	18.3	103
350	Association of DC-SIGN promoter polymorphism with increased risk for parenteral, but not mucosal, acquisition of human immunodeficiency virus type 1 infection. *Journal of Virology*, **2004**, 78, 14053-6	6.6	103
349	Genomic legacy of the African cheetah, Acinonyx jubatus. *Genome Biology*, **2015**, 16, 277	18.3	99
348	Isolation of HTLV-transformed B-lymphocyte clone from a patient with HTLV-associated adult T-cell leukaemia. *Nature*, **1984**, 310, 505-6	50.4	99
347	Cytotoxic T-lymphocyte antigen 4 gene and recovery from hepatitis B virus infection. *Journal of Virology*, **2004**, 78, 11258-62	6.6	98
346	Phylogeographic Subspecies Recognition in Leopards (Panthera pardus): Molecular Genetic Variation. *Conservation Biology*, **1996**, 10, 1115-1132	6	95
345	The -glycerophosphate cycle in Drosophila melanogaster. I. Biochemical and developmental aspects. *Biochemical Genetics*, **1972**, 7, 141-61	2.4	93
344	The adequacy of morphology for reconstructing the early history of placental mammals. *Systematic Biology*, **2007**, 56, 673-84	8.4	92
343	Non-Hodgkin's B cell lymphoma in persons with acquired immunodeficiency syndrome is associated with increased serum levels of IL10, or the IL10 promoter -592 C/C genotype. *Clinical Immunology*, **2003**, 109, 119-29	9	90
342	An STR Forensic Typing System for Genetic Individualization of Domestic Cat (Felis catus) Samples. *Journal of Forensic Sciences*, **2005**, 50, 1-10	1.8	90
341	A radiation hybrid map of the cat genome: implications for comparative mapping. *Genome Research* , **2000**, 10, 691-702	9.7	88
340	SmileFinder: a resampling-based approach to evaluate signatures of selection from genome-wide sets of matching allele frequency data in two or more diploid populations. *GigaScience*, **2015**, 4, 1	7.6	87
339	The linkage disequilibrium maps of three human chromosomes across four populations reflect their demographic history and a common underlying recombination pattern. *Genome Research*, **2005**, 15, 454-62	87	87
338	Association study of common genetic variants and HIV-1 acquisition in 6,300 infected cases and 7,200 controls. *PLoS Pathogens*, **2013**, 9, e1003515	7.6	86
337	The evolutionary dynamics of the lion Panthera leo revealed by host and viral population genomics. *PLoS Genetics*, **2008**, 4, e1000251	6	86

336	Patterns of molecular genetic variation among African elephant populations. *Molecular Ecology*, **2002**, 11, 2489-98	5.7	86
335	Mapping of the gene encoding the alpha subunit of the stimulatory G protein of adenylyl cyclase (GNAS1) to 20q13.2----q13.3 in human by in situ hybridization. *Genomics*, **1991**, 11, 478-9	4.3	86
334	Significant admixture linkage disequilibrium across 30 cM around the FY locus in African Americans. *American Journal of Human Genetics*, **2000**, 66, 969-78	11	85
333	A genome-to-genome analysis of associations between human genetic variation, HIV-1 sequence diversity, and viral control. *ELife*, **2013**, 2, e01123	8.9	85
332	Genome-Wide Association and Trans-ethnic Meta-Analysis for Advanced Diabetic Kidney Disease: Family Investigation of Nephropathy and Diabetes (FIND). *PLoS Genetics*, **2015**, 11, e1005352	6	84
331	Specifying and sustaining pigmentation patterns in domestic and wild cats. *Science*, **2012**, 337, 1536-41	33.3	84
330	Genetic characterization of canine distemper virus in Serengeti carnivores. *Veterinary Immunology and Immunopathology*, **1998**, 65, 259-66	2	84
329	Molecular evidence for species-level distinctions in clouded leopards. *Current Biology*, **2006**, 16, 2371-6	6.3	84
328	Extensive conservation of sex chromosome organization between cat and human revealed by parallel radiation hybrid mapping. *Genome Research*, **1999**, 9, 1223-30	9.7	82
327	Allozyme Divergence Within the Canidae. *Systematic Zoology*, **1987**, 36, 339		82
326	Mutation in CEP290 discovered for cat model of human retinal degeneration. *Journal of Heredity*, **2007**, 98, 211-20	2.4	80
325	Genetics and pathogenesis of feline infectious peritonitis virus. *Emerging Infectious Diseases*, **2009**, 15, 1445-52	10.2	79
324	Genomic differentiation among natural populations of orang-utan (Pongo pygmaeus). *Current Biology*, **1996**, 6, 1326-36	6.3	78
323	The Evolution Cats. *Scientific American*, **2007**, 297, 68-75	0.5	77
322	Chromosomal-Level Assembly of the Asian Seabass Genome Using Long Sequence Reads and Multi-layered Scaffolding. *PLoS Genetics*, **2016**, 12, e1005954	6	77
321	Rapid evolution of a heteroplasmic repetitive sequence in the mitochondrial DNA control region of carnivores. *Journal of Molecular Evolution*, **1994**, 39, 191-9	3.1	76
320	Evolution of CRISPs associated with toxicoferan-reptilian venom and mammalian reproduction. *Molecular Biology and Evolution*, **2012**, 29, 1807-22	8.3	75
319	Red fox genome assembly identifies genomic regions associated with tame and aggressive behaviours. *Nature Ecology and Evolution*, **2018**, 2, 1479-1491	12.3	74

318	Mitochondrial DNA haplogroups influence AIDS progression. *Aids*, **2008**, 22, 2429-39	3.5	74
317	Polygenic and multifactorial disease gene association in man: Lessons from AIDS. *Annual Review of Genetics*, **2000**, 34, 563-591	14.5	74
316	A population-based study to investigate host genetic factors associated with hepatitis B infection and pathogenesis in the Chinese population. *BMC Infectious Diseases*, **2008**, 8, 1	4	73
315	Genetic protection against hepatitis B virus conferred by CCR5Delta32: Evidence that CCR5 contributes to viral persistence. *Journal of Virology*, **2007**, 81, 441-5	6.6	73
314	Genomic microsatellites as evolutionary chronometers: a test in wild cats. *Genome Research*, **2002**, 12, 414-23	9.7	73
313	Comparative genome organization of human, murine, and feline MHC class II region. *Genome Research*, **2003**, 13, 1169-79	9.7	73
312	The principal genetic determinants for nasopharyngeal carcinoma in China involve the HLA class I antigen recognition groove. *PLoS Genetics*, **2012**, 8, e1003103	6	72
311	Pet cat hair implicates murder suspect. *Nature*, **1997**, 386, 774	50.4	72
310	Pandas, people and policy. *Nature*, **1994**, 369, 179-80	50.4	72
309	Mapping of an endogenous retroviral sequence to human chromosome 18. *Nature*, **1983**, 303, 74-7	50.4	72
308	A homozygous single-base deletion in MLPH causes the dilute coat color phenotype in the domestic cat. *Genomics*, **2006**, 88, 698-705	4.3	71
307	The Global Invertebrate Genomics Alliance (GIGA): developing community resources to study diverse invertebrate genomes. *Journal of Heredity*, **2014**, 105, 1-18	2.4	70
306	The Taming of the Cat. *Scientific American*, **2009**, 300, 68-75	0.5	70
305	A common HLA-DPA1 variant is a major determinant of hepatitis B virus clearance in Han Chinese. *Journal of Infectious Diseases*, **2011**, 203, 943-7	7	70
304	Phylogeographic patterns and evolution of the mitochondrial DNA control region in two neotropical cats (Mammalia, felidae). *Journal of Molecular Evolution*, **1998**, 47, 613-24	3.1	70
303	Chromosomal localization of the genes encoding two forms of the G protein beta polypeptide, beta 1 and beta 3, in man. *Genomics*, **1990**, 8, 380-6	4.3	69
302	A molecular approach to the identification and individualization of human and animal cells in culture: isozyme and allozyme genetic signatures. *In Vitro*, **1980**, 16, 119-35		69
301	State of cat genomics. *Trends in Genetics*, **2008**, 24, 268-79	8.5	68

300	Mannose binding lectin genotypes influence recovery from hepatitis B virus infection. *Journal of Virology*, **2005**, 79, 9192-6	6.6	68
299	Genome-wide signatures of complex introgression and adaptive evolution in the big cats. *Science Advances*, **2017**, 3, e1700299	14.3	67
298	Mitochondrial DNA haplogroups influence lipoatrophy after highly active antiretroviral therapy. *Journal of Acquired Immune Deficiency Syndromes (1999)*, **2009**, 51, 111-6	3.1	67
297	Elevated male European and female African contributions to the genomes of African American individuals. *Human Genetics*, **2007**, 120, 713-22	6.3	66
296	The Asian arowana (Scleropages formosus) genome provides new insights into the evolution of an early lineage of teleosts. *Scientific Reports*, **2016**, 6, 24501	4.9	66
295	Evidence of Natural Bluetongue Virus Infection among African Carnivores. *American Journal of Tropical Medicine and Hygiene*, **1994**, 51, 568-576	3.2	65
294	Evolutionary analysis of a large mtDNA translocation (numt) into the nuclear genome of the Panthera genus species. *Gene*, **2006**, 366, 292-302	3.8	64
293	Comparison of carnivore, omnivore, and herbivore mammalian genomes with a new leopard assembly. *Genome Biology*, **2016**, 17, 211	18.3	61
292	Genome-wide Mycobacterium tuberculosis variation (GMTV) database: a new tool for integrating sequence variations and epidemiology. *BMC Genomics*, **2014**, 15, 308	4.5	61
291	Four independent mutations in the feline fibroblast growth factor 5 gene determine the long-haired phenotype in domestic cats. *Journal of Heredity*, **2007**, 98, 555-66	2.4	61
290	Captive breeding of the cheetah (Acinonyx jubatus) in North American zoos (1871–1986). *Zoo Biology*, **1989**, 8, 3-16	1.6	61
289	Multistage genomewide association study identifies a locus at 1q41 associated with rate of HIV-1 disease progression to clinical AIDS. *Journal of Infectious Diseases*, **2010**, 201, 618-26	7	60
288	CCL3L1 and HIV/AIDS susceptibility. *Nature Medicine*, **2009**, 15, 1110-2	50.5	60
287	Association of polymorphisms in human leukocyte antigen class I and transporter associated with antigen processing genes with resistance to human immunodeficiency virus type 1 infection. *Journal of Infectious Diseases*, **2003**, 187, 1404-10	7	60
286	Rapid radiation events in the family Ursidae indicated by likelihood phylogenetic estimation from multiple fragments of mtDNA. *Molecular Phylogenetics and Evolution*, **1999**, 13, 82-92	4.1	60
285	Evolution of a major drug metabolizing enzyme defect in the domestic cat and other felidae: phylogenetic timing and the role of hypercarnivory. *PLoS ONE*, **2011**, 6, e18046	3.7	59
284	Genome-wide characterization of centromeric satellites from multiple mammalian genomes. *Genome Research*, **2011**, 21, 137-45	9.7	59
283	Molecular evolution and the role of oxidative stress in the expansion and functional diversification of cytosolic glutathione transferases. *BMC Evolutionary Biology*, **2010**, 10, 281	3	59

282	Safety issues in cell-based intervention trials. *Fertility and Sterility*, **2003**, 80, 1077-85	4.8	58
281	Genetic variation in the CCL18-CCL3-CCL4 chemokine gene cluster influences HIV Type 1 transmission and AIDS disease progression. *American Journal of Human Genetics*, **2006**, 79, 120-8	11	57
280	Considering genetic profiles in functional studies of immune responsiveness to HIV-1. *Immunology Letters*, **2001**, 79, 131-40	4.1	56
279	Disparate phylogeographic patterns of molecular genetic variation in four closely related South American small cat species. *Molecular Ecology*, **1999**, 8, S79-94	5.7	56
278	Evolution of feline immunodeficiency virus in Felidae: implications for human health and wildlife ecology. *Veterinary Immunology and Immunopathology*, **2008**, 123, 32-44	2	55
277	A 1.5-Mb-resolution radiation hybrid map of the cat genome and comparative analysis with the canine and human genomes. *Genomics*, **2007**, 89, 189-96	4.3	55
276	The Feline Genome Project. *Annual Review of Genetics*, **2002**, 36, 657-86	14.5	55
275	Influence of CCR5 promoter haplotypes on AIDS progression in African-Americans. *Aids*, **2000**, 14, 2117-22	3.5	55
274	Ghetto legacy. *Current Biology*, **1991**, 1, 209-11	6.3	55
273	Regulatory polymorphisms in the cyclophilin A gene, PPIA, accelerate progression to AIDS. *PLoS Pathogens*, **2007**, 3, e88	7.6	54
272	Pangolin genomes and the evolution of mammalian scales and immunity. *Genome Research*, **2016**, 26, 1312-1322	9.7	54
271	Genomically intact endogenous feline leukemia viruses of recent origin. *Journal of Virology*, **2004**, 78, 4370-5	6.6	53
270	Nuclear gene sequences confirm an ancient link between New Zealand's short-tailed bat and South American noctilionoid bats. *Molecular Phylogenetics and Evolution*, **2003**, 28, 308-19	4.1	53
269	Epizootiology and management of feline leukemia virus in the Florida puma. *Journal of Wildlife Diseases*, **2008**, 44, 537-52	1.3	52
268	Patterns of molecular genetic variation among cat breeds. *Genomics*, **2008**, 91, 1-11	4.3	51
267	MCP-1-MCP-3-Eotaxin gene cluster influences HIV-1 transmission. *Aids*, **2003**, 17, 2357-65	3.5	51
266	Serosurvey of viral infections in free-ranging Namibian cheetahs (Acinonyx jubatus). *Journal of Wildlife Diseases*, **2004**, 40, 23-31	1.3	51
265	Human immunodeficiency virus type 1 (HIV-1)-specific CD8+-T-cell responses for groups of HIV-1-infected individuals with different HLA-B*35 genotypes. *Journal of Virology*, **2002**, 76, 12603-10	6.6	51

264	Development of a feline whole genome radiation hybrid panel and comparative mapping of human chromosome 12 and 22 loci. *Genomics*, **1999**, 57, 1-8	4.3	51
263	White shark genome reveals ancient elasmobranch adaptations associated with wound healing and the maintenance of genome stability. *Proceedings of the National Academy of Sciences of the United States of America*, **2019**, 116, 4446-4455	11.5	51
262	Genetic Individualization of Domestic Cats Using Feline STR Loci for Forensic Applications. *Journal of Forensic Sciences*, **1997**, 42, 14258J	1.8	50
261	Subspecies genetic assignments of worldwide captive tigers increase conservation value of captive populations. *Current Biology*, **2008**, 18, 592-6	6.3	49
260	Pathological manifestations of feline immunodeficiency virus (FIV) infection in wild African lions. *Virology*, **2009**, 390, 1-12	3.6	48
259	Light whole genome sequence for SNP discovery across domestic cat breeds. *BMC Genomics*, **2010**, 11, 406	4.5	48
258	Diversity of MICA and linkage disequilibrium with HLA-B in two North American populations. *Human Immunology*, **2006**, 67, 152-8	2.3	48
257	Public Stem Cell Banks: Considerations of Justice in Stem Cell Research and Therapy. *Hastings Center Report*, **2003**, 33, 13	3.3	48
256	The origin of human chromosome 1 and its homologs in placental mammals. *Genome Research*, **2003**, 13, 1880-8	9.7	48
255	Olfactory Receptor Subgenomes Linked with Broad Ecological Adaptations in Sauropsida. *Molecular Biology and Evolution*, **2015**, 32, 2832-43	8.3	47
254	Mutation discovered in a feline model of human congenital retinal blinding disease **2010**, 51, 2852-9		47
253	Ecological and biogeographical inferences on two sympatric and enigmatic Andean cat species using genetic identification of faecal samples. *Molecular Ecology*, **2008**, 17, 678-90	5.7	47
252	Comparative genome organization of the major histocompatibility complex: lessons from the Felidae. *Immunological Reviews*, **1999**, 167, 133-44	11.3	47
251	Molecular phylogeny of mitochondrial cytochrome b and 12S rRNA sequences in the Felidae: ocelot and domestic cat lineages. *Molecular Phylogenetics and Evolution*, **1996**, 6, 351-65	4.1	47
250	A gene (Bevi) on human chromosome 6 is an integration site for baboon type C DNA provirus in human cells. *Cell*, **1978**, 14, 995-1005	56.2	47
249	Patterns of feline immunodeficiency virus multiple infection and genome divergence in a free-ranging population of African lions. *Journal of Virology*, **2004**, 78, 3777-91	6.6	46
248	Genome-wide association study implicates PARD3B-based AIDS restriction. *Journal of Infectious Diseases*, **2011**, 203, 1491-502	7	45
247	Polymorphisms of CUL5 are associated with CD4+ T cell loss in HIV-1 infected individuals. *PLoS Genetics*, **2007**, 3, e19	6	45

246	FIV cross-species transmission: an evolutionary prospective. *Veterinary Immunology and Immunopathology*, **2008**, 123, 159-66	2	44
245	Genetic characterization of feline leukemia virus from Florida panthers. *Emerging Infectious Diseases*, **2008**, 14, 252-9	10.2	44
244	Behavioral risk exposure and host genetics of susceptibility to HIV-1 infection. *Journal of Infectious Diseases*, **2006**, 193, 16-26	7	44
243	Comparative genomic structure of human, dog, and cat MHC: HLA, DLA, and FLA. *Journal of Heredity*, **2007**, 98, 390-9	2.4	44
242	Eighteen polymorphic microsatellite markers for the highly endangered Spanish imperial eagle (Aquila adalberti) and related species. *Molecular Ecology Notes*, **2002**, 2, 323-326		44
241	Distribution of two HIV-1-resistant polymorphisms (SDF1-3'A and CCR2-64I) in East Asian and world populations and its implication in AIDS epidemiology. *American Journal of Human Genetics*, **1999**, 65, 1047-53	11	44
240	Chromosomal localization of the human interleukin 1 alpha (IL-1 alpha) gene. *Genomics*, **1988**, 2, 310-4	4.3	44
239	Development of microsatellite markers in the guanaco, Lama guanicoe: utility for South American camelids. *Molecular Ecology*, **2000**, 9, 1922-4	5.7	43
238	Long-term nonprogressive infection with human immunodeficiency virus type 1 in a hemophilia cohort. *Journal of Infectious Diseases*, **1999**, 180, 1790-802	7	43
237	The Complete Phylogeny of Pangolins: Scaling Up Resources for the Molecular Tracing of the Most Trafficked Mammals on Earth. *Journal of Heredity*, **2018**, 109, 347-359	2.4	42
236	Phylogeographic patterns of feline immunodeficiency virus genetic diversity in the domestic cat. *Virology*, **1998**, 251, 234-43	3.6	42
235	Phylogenomics of the dog and fox family (Canidae, Carnivora) revealed by chromosome painting. *Chromosome Research*, **2008**, 16, 129-43	4.4	42
234	Cytogenetic methodologies for gene mapping and comparative analyses in mammalian cell culture systems. *Gene Analysis Techniques*, **1987**, 4, 75-85		42
233	Mitochondrial phylogeography illuminates the origin of the extinct caspian tiger and its relationship to the amur tiger. *PLoS ONE*, **2009**, 4, e4125	3.7	42
232	Big cat genomics. *Annual Review of Genomics and Human Genetics*, **2005**, 6, 407-29	9.7	41
231	Contamination of Hodgkin's disease cell cultures. *Nature*, **1981**, 289, 228-30	50.4	41
230	Chromosomer: a reference-based genome arrangement tool for producing draft chromosome sequences. *GigaScience*, **2016**, 5, 38	7.6	40
229	In search of AIDS-resistance genes. *Scientific American*, **1997**, 277, 44-51	0.5	40

228	An approximately 140-kb deletion associated with feline spinal muscular atrophy implies an essential LIX1 function for motor neuron survival. *Genome Research*, **2006**, 16, 1084-90	9.7	40
227	Nucleotide sequence analysis of puma lentivirus (PLV-14): genomic organization and relationship to other lentiviruses. *Virology*, **1994**, 202, 853-64	3.6	40
226	Host genetic influences on highly active antiretroviral therapy efficacy and AIDS-free survival. *Journal of Acquired Immune Deficiency Syndromes (1999)*, **2008**, 48, 263-71	3.1	39
225	Identifying selected regions from heterozygosity and divergence using a light-coverage genomic dataset from two human populations. *PLoS ONE*, **2008**, 3, e1712	3.7	39
224	Endogenous retrovirus insertion in the KIT oncogene determines white and white spotting in domestic cats. *G3: Genes, Genomes, Genetics*, **2014**, 4, 1881-91	3.2	38
223	Sympatric Asian felid phylogeography reveals a major Indochinese-Sundaic divergence. *Molecular Ecology*, **2014**, 23, 2072-92	5.7	38
222	Chromosomal localization of nucleic acid-binding proteins by affinity mapping: assignment of the IRE-binding protein gene to human chromosome 9. *Nucleic Acids Research*, **1989**, 17, 6103-8	20.1	38
221	Gene loss, adaptive evolution and the co-evolution of plumage coloration genes with opsins in birds. *BMC Genomics*, **2015**, 16, 751	4.5	37
220	Mammalian keratin associated proteins (KRTAPs) subgenomes: disentangling hair diversity and adaptation to terrestrial and aquatic environments. *BMC Genomics*, **2014**, 15, 779	4.5	37
219	Emerging viruses in the Felidae: shifting paradigms. *Viruses*, **2012**, 4, 236-57	6.2	37
218	Evaluation of IL10, IL19 and IL20 gene polymorphisms and chronic hepatitis B infection outcome. *International Journal of Immunogenetics*, **2008**, 35, 255-64	2.3	37
217	Growth of lion and puma lentiviruses in domestic cat cells and comparisons with FIV. *Virology*, **1997**, 233, 185-92	3.6	36
216	GSTM1 and GSTT1 gene deletions and the risk for nasopharyngeal carcinoma in Han Chinese. *Cancer Epidemiology Biomarkers and Prevention*, **2008**, 17, 1760-3	4	36
215	Partial structure of the human alpha 2(IV) collagen chain and chromosomal localization of the gene (COL4A2). *Human Genetics*, **1987**, 77, 318-24	6.3	36
214	Contrasting origin of B chromosomes in two cervids (Siberian roe deer and grey brocket deer) unravelled by chromosome-specific DNA sequencing. *BMC Genomics*, **2016**, 17, 618	4.5	36
213	Tissue sampling methods and standards for vertebrate genomics. *GigaScience*, **2012**, 1, 8	7.6	35
212	Intentional genetic introgression influences survival of adults and subadults in a small, inbred felid population. *Journal of Animal Ecology*, **2011**, 80, 958-67	4.7	35
211	Genetic variants in nuclear-encoded mitochondrial genes influence AIDS progression. *PLoS ONE*, **2010**, 5, e12862	3.7	35

210	Analyses of sweet receptor gene (Tas1r2) and preference for sweet stimuli in species of Carnivora. *Journal of Heredity*, **2009**, 100 Suppl 1, S90-100	2.4	35
209	A tumor necrosis factor-alpha-inducible promoter variant of interferon-gamma accelerates CD4+ T cell depletion in human immunodeficiency virus-1-infected individuals. *Journal of Infectious Diseases*, **2003**, 188, 228-31	7	35
208	The Cheetahs Conservation Controversy. *Conservation Biology*, **1994**, 8, 1153-1155	6	35
207	The fishes of Genome 10K. *Marine Genomics*, **2012**, 7, 3-6	1.9	34
206	Defining and mapping mammalian coat pattern genes: multiple genomic regions implicated in domestic cat stripes and spots. *Genetics*, **2010**, 184, 267-75	4	34
205	Stewardship of human biospecimens, DNA, genotype, and clinical data in the GWAS era. *Annual Review of Genomics and Human Genetics*, **2009**, 10, 193-209	9.7	34
204	Clouded leopard phylogeny revisited: support for species recognition and population division between Borneo and Sumatra. *Frontiers in Zoology*, **2007**, 4, 15	2.8	34
203	Molecular genetics in the domestic cat and its relatives. *Trends in Genetics*, **1986**, 2, 137-142	8.5	34
202	An autosomal genetic linkage map of the domestic cat, Felis silvestris catus. *Genomics*, **2009**, 93, 305-13	4.3	33
201	Genetic variation within and among lion tamarins. *American Journal of Physical Anthropology*, **1986**, 71, 1-11	2.5	33
200	A new genetic locus, Bevi, on human chromosome 6 which controls the replication of baboon type C virus in human cells. *Cell*, **1977**, 12, 251-62	56.2	33
199	A High-Resolution SNP Array-Based Linkage Map Anchors a New Domestic Cat Draft Genome Assembly and Provides Detailed Patterns of Recombination. *G3: Genes, Genomes, Genetics*, **2016**, 6, 1607-16	3.2	32
198	The first whole genome and transcriptome of the cinereous vulture reveals adaptation in the gastric and immune defense systems and possible convergent evolution between the Old and New World vultures. *Genome Biology*, **2015**, 16, 215	18.3	32
197	MULTIPLE PATERNITY AND REPRODUCTIVE TACTICS OF FREE-RANGING AMERICAN MINKS, MUSTELA VISON. *Journal of Mammalogy*, **2004**, 85, 432-439	1.8	32
196	Patterns of size homoplasy at 10 microsatellite loci in pumas (Puma concolor). *Molecular Biology and Evolution*, **2001**, 18, 1151-6	8.3	32
195	Patterns of diversity among SINE elements isolated from three Y-chromosome genes in carnivores. *Molecular Biology and Evolution*, **2000**, 17, 825-9	8.3	32
194	Phenotypic expressions of CCR5-delta32/delta32 homozygosity. *Journal of Acquired Immune Deficiency Syndromes*, **1999**, 22, 75-82		32
193	Cloning and comparative mapping of a human class III (chi) alcohol dehydrogenase cDNA. *Biochemical and Biophysical Research Communications*, **1989**, 164, 453-60	3.4	32

192	Molecular characterization and genetic mapping of class I and class II MHC genes of the domestic cat. *Immunogenetics*, **1988**, 27, 414-25	3.2	32
191	Correlative genetic variation in natural populations of cats, mice and men. *Nature*, **1980**, 288, 580-3	50.4	32
190	Genome-Wide Evolutionary Analysis of Natural History and Adaptation in the World's Tigers. *Current Biology*, **2018**, 28, 3840-3849.e6	6.3	32
189	The evolutionary history of extinct and living lions. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 10927-10934	11.5	31
188	Genetic Introgression and the Survival of Florida Panther Kittens. *Biological Conservation*, **2010**, 143, 2789-2796	6.2	31
187	Sequences, annotation and single nucleotide polymorphism of the major histocompatibility complex in the domestic cat. *PLoS ONE*, **2008**, 3, e2674	3.7	31
186	Seroprevalence of Toxoplasma gondii in American free-ranging or captive pumas (Felis concolor) and bobcats (Lynx rufus). *Veterinary Parasitology*, **2004**, 120, 1-9	2.8	31
185	Integration of the feline radiation hybrid and linkage maps. *Mammalian Genome*, **2001**, 12, 436-41	3.2	31
184	Resolution of recent radiations within three evolutionary lineages of felidae using mitochondrial restriction fragment length polymorphism variation. *Journal of Mammalian Evolution*, **1996**, 3, 97-120	2.2	31
183	Genetic monitors of zoo populations: Morphological and electrophoretic assays. *Zoo Biology*, **1986**, 5, 215-232	1.6	31
182	Genomics. On choosing mammalian genomes for sequencing. *Science*, **2001**, 292, 2264-6	33.3	31
181	Genetic Polymorphisms of CYP2E1, GSTP1, NQO1 and MPO and the Risk of Nasopharyngeal Carcinoma in a Han Chinese Population of Southern China. *BMC Research Notes*, **2010**, 3, 212	2.3	30
180	A rhesus macaque radiation hybrid map and comparative analysis with the human genome. *Genomics*, **2005**, 86, 383-95	4.3	30
179	Dominant effects of CCR2-CCR5 haplotypes in HIV-1 disease progression. *Journal of Acquired Immune Deficiency Syndromes (1999)*, **2004**, 37, 1534-8	3.1	30
178	Comparative analysis of malate dehydrogenases of Drosophila melanogaster. *Biochemical Genetics*, **1973**, 10, 191-205	2.4	30
177	CCR5 promoter alleles and specific DNA binding factors. *Science*, **1999**, 284, 223	33.3	29
176	Genome Annotation Resource Fields--GARFIELD: a genome browser for Felis catus. *Journal of Heredity*, **2007**, 98, 386-9	2.4	28
175	Cyto-nuclear genomic dissociation and the African elephant species question. *Quaternary International*, **2007**, 169-170, 4-16	2	28

174	Genomic inferences from Afrotheria and the evolution of elephants. *Current Opinion in Genetics and Development*, **2005**, 15, 652-9	4.9	28
173	Insertional polymorphisms of endogenous feline leukemia viruses. *Journal of Virology*, **2005**, 79, 3979-86	6.6	28
172	Phylogeography and population history of Leopardus guigna, the smallest American felid. *Conservation Genetics*, **2014**, 15, 631-653	2.6	27
171	Effect of host genetics on the development of cytomegalovirus retinitis in patients with AIDS. *Journal of Infectious Diseases*, **2010**, 202, 606-13	7	27
170	Conservation genetics of the koala (Phascolarctos cinereus): low mitochondrial DNA variation amongst southern Australian populations. *Genetical Research*, **1997**, 69, 25-33	1.1	27
169	Comparative feline genomics: a BAC/PAC contig map of the major histocompatibility complex class II region. *Genomics*, **2001**, 71, 282-95	4.3	27
168	Annotated features of domestic cat - Felis catus genome. *GigaScience*, **2014**, 3, 13	7.6	26
167	How the leopard hides its spots: ASIP mutations and melanism in wild cats. *PLoS ONE*, **2012**, 7, e50386	3.7	26
166	Exposure to disease agents in the endangered Iberian lynx (). *European Journal of Wildlife Research*, **2008**, 54, 171-178	2	26
165	Consistent effects of TSG101 genetic variability on multiple outcomes of exposure to human immunodeficiency virus type 1. *Journal of Virology*, **2006**, 80, 6757-63	6.6	26
164	The feline major histocompatibility complex is rearranged by an inversion with a breakpoint in the distal class I region. *Immunogenetics*, **2005**, 56, 702-9	3.2	26
163	Exposure to FIV and FIPV in wild and captive cheetahs. *Zoo Biology*, **1993**, 12, 135-142	1.6	26
162	Association of Y chromosome haplogroup I with HIV progression, and HAART outcome. *Human Genetics*, **2009**, 125, 281-94	6.3	25
161	Genomic organization, sequence divergence, and recombination of feline immunodeficiency virus from lions in the wild. *BMC Genomics*, **2008**, 9, 66	4.5	25
160	Molecular genetic insights on cheetah (Acinonyx jubatus) ecology and conservation in Namibia. *Journal of Heredity*, **2008**, 99, 2-13	2.4	25
159	Development of Y chromosome intraspecific polymorphic markers in the Felidae. *Journal of Heredity*, **2007**, 98, 400-13	2.4	25
158	Gene conversion between mammalian CCR2 and CCR5 chemokine receptor genes: a potential mechanism for receptor dimerization. *Genomics*, **2007**, 90, 213-24	4.3	25
157	Designing and optimizing comparative anchor primers for comparative gene mapping and phylogenetic inference. *Nature Protocols*, **2007**, 2, 3022-30	18.8	25

156	Coronavirus outbreak in cheetahs: lessons for SARS. *Current Biology*, **2004**, 14, R227-8	6.3	25
155	A common proviral integration region, fit-1, in T-cell tumors induced by myc-containing feline leukemia viruses. *Virology*, **1993**, 196, 845-8	3.6	25
154	Recurrent evolution of melanism in South American felids. *PLoS Genetics*, **2015**, 11, e1004892	6	24
153	Puma genomes from North and South America provide insights into the genomic consequences of inbreeding. *Nature Communications*, **2019**, 10, 4769	17.4	24
152	Genome-wide and differential proteomic analysis of hepatitis B virus and aflatoxin B1 related hepatocellular carcinoma in Guangxi, China. *PLoS ONE*, **2013**, 8, e83465	3.7	24
151	FIV diversity: FIV Ple subtype composition may influence disease outcome in African lions. *Veterinary Immunology and Immunopathology*, **2011**, 143, 338-46	2	24
150	Mitochondrial introgressions into the nuclear genome of the domestic cat. *Journal of Heredity*, **2007**, 98, 414-20	2.4	24
149	Genomics. A dogN breakfast?. *Science*, **2003**, 301, 1854-5	33.3	24
148	Inherited motor neuron disease in domestic cats: a model of spinal muscular atrophy. *Pediatric Research*, **2005**, 57, 324-30	3.2	24
147	rPatterns of mtDNA and microsatellite variation in an island and mainland population of guanacos in southern Chile. *Animal Conservation*, **2001**, 4, 93-101	3.2	24
146	Reconstructing the genomic architecture of mammalian ancestors using multispecies comparative maps. *Human Genomics*, **2003**, 1, 30-40	6.8	23
145	Stromal cell-derived factor-1 genotype, coreceptor tropism, and HIV type 1 disease progression. *Journal of Infectious Diseases*, **2005**, 192, 1597-605	7	23
144	Exchanges of short polymorphic DNA segments predating speciation in feline major histocompatibility complex class I genes. *Journal of Molecular Evolution*, **1994**, 39, 22-33	3.1	23
143	Genetic associations of variants in genes encoding HIV-dependency factors required for HIV-1 infection. *Journal of Infectious Diseases*, **2010**, 202, 1836-45	7	22
142	Mitochondrial haplogroups are associated with risk of neuroretinal disorder in HIV-positive patients. *Journal of Acquired Immune Deficiency Syndromes (1999)*, **2010**, 53, 451-5	3.1	22
141	CCR5-delta 32 gene deletion in HIV-1 infected patients. *Lancet, The*, **1997**, 350, 741; author reply 742	40	22
140	HLA-B Bw4 alleles and HIV-1 transmission in heterosexual couples. *Aids*, **2007**, 21, 225-9	3.5	22
139	Genetic factors leading to chronic Epstein-Barr virus infection and nasopharyngeal carcinoma in South East China: study design, methods and feasibility. *Human Genomics*, **2006**, 2, 365-75	6.8	22

138	Genetic diversity in leukemia-prone feral house mice infected with murine leukemia virus. *Biochemical Genetics*, **1980**, 18, 915-28	2.4	22
137	A domestic cat X chromosome linkage map and the sex-linked orange locus: mapping of orange, multiple origins and epistasis over nonagouti. *Genetics*, **2009**, 181, 1415-25	4	21
136	Multicohort genomewide association study reveals a new signal of protection against HIV-1 acquisition. *Journal of Infectious Diseases*, **2012**, 205, 1155-62	7	21
135	Feline arylsulfatase B (ARSB): isolation and expression of the cDNA, comparison with human ARSB, and gene localization to feline chromosome A1. *Genomics*, **1992**, 14, 403-11	4.3	21
134	The extent and character of biochemical genetic variation in the domestic cat. *Journal of Heredity*, **1980**, 71, 3-8	2.4	21
133	Aldehyde dehydrogenase 1 (ALDH1) isoform expression and potential clinical implications in hepatocellular carcinoma. *PLoS ONE*, **2017**, 12, e0182208	3.7	20
132	Robust forensic matching of confiscated horns to individual poached African rhinoceros. *Current Biology*, **2018**, 28, R13-R14	6.3	20
131	Plagues and adaptation: Lessons from the Felidae models for SARS and AIDS. *Biological Conservation*, **2006**, 131, 255-267	6.2	20
130	Primate TNF promoters reveal markers of phylogeny and evolution of innate immunity. *PLoS ONE*, **2007**, 2, e621	3.7	20
129	Genome-Wide Association Study of MKI67 Expression and its Clinical Implications in HBV-Related Hepatocellular Carcinoma in Southern China. *Cellular Physiology and Biochemistry*, **2017**, 42, 1342-1357	3.9	19
128	The effect of RANTES chemokine genetic variants on early HIV-1 plasma RNA among African American injection drug users. *Journal of Acquired Immune Deficiency Syndromes (1999)*, **2005**, 38, 584-9	3.1	19
127	Using mutual information to measure the impact of multiple genetic factors on AIDS. *Journal of Acquired Immune Deficiency Syndromes (1999)*, **2006**, 42, 347-54	3.1	19
126	Effects of plasma HIV RNA, CD4+ T lymphocytes, and the chemokine receptors CCR5 and CCR2b on HIV disease progression in hemophiliacs. Hemophilia Growth and Development Study. *Journal of Acquired Immune Deficiency Syndromes (1999)*, **1999**, 21, 317-25	3.1	19
125	Comparative features of a coronavirus isolated from a cheetah with feline infectious peritonitis. *Virus Research*, **1989**, 13, 15-27	6.4	19
124	Marker of proliferation Ki-67 expression is associated with transforming growth factor beta 1 and can predict the prognosis of patients with hepatic B virus-related hepatocellular carcinoma. *Cancer Management and Research*, **2018**, 10, 679-696	3.6	18
123	Evolutionary genomics and adaptive evolution of the Hedgehog gene family (Shh, Ihh and Dhh) in vertebrates. *PLoS ONE*, **2014**, 9, e74132	3.7	18
122	Feline immunodeficiency virus (FIV) in wild Pallas'cats. *Veterinary Immunology and Immunopathology*, **2010**, 134, 90-5	2	18
121	Adaptive cycles: parasites selectively reduce inbreeding in Soay sheep. *Trends in Ecology and Evolution*, **2000**, 15, 7-9	10.9	18

120	Molecular cloning and chromosomal mapping of feline p53 tumor suppressor gene. *Journal of Veterinary Medical Science*, **1993**, 55, 801-5	1.1	18
119	Seroprevalence of Bartonella infection in American free-ranging and captive pumas (Felis concolor) and bobcats (Lynx rufus). *Veterinary Research*, **2004**, 35, 233-41	3.8	18
118	Genomic Adaptations and Evolutionary History of the Extinct Scimitar-Toothed Cat, Homotherium latidens. *Current Biology*, **2020**, 30, 5018-5025.e5	6.3	18
117	Integrated analysis of competing endogenous RNA network revealing potential prognostic biomarkers of hepatocellular carcinoma. *Journal of Cancer*, **2019**, 10, 3267-3283	4.5	17
116	The tax gene sequences form two divergent monophyletic lineages corresponding to types I and II of simian and human T-cell leukemia/lymphotropic viruses. *Virology*, **1997**, 231, 96-104	3.6	17
115	CXCR4 polymorphisms and HIV-1 pathogenesis. *Journal of Acquired Immune Deficiency Syndromes*, **1998**, 19, 430		17
114	The role of gene duplication and unconstrained selective pressures in the melanopsin gene family evolution and vertebrate circadian rhythm regulation. *PLoS ONE*, **2012**, 7, e52413	3.7	17
113	GADMA: Genetic algorithm for inferring demographic history of multiple populations from allele frequency spectrum data. *GigaScience*, **2020**, 9,	7.6	16
112	Host genomic influences on HIV/AIDS. *Genome Biology*, **2013**, 14, 201	18.3	16
111	X Chromosome Evolution in Cetartiodactyla. *Genes*, **2017**, 8,	4.2	16
110	Role of exonic variation in chemokine receptor genes on AIDS: CCRL2 F167Y association with pneumocystis pneumonia. *PLoS Genetics*, **2011**, 7, e1002328	6	16
109	A nuclear DNA phylogeny of the woolly mammoth (Mammuthus primigenius). *Molecular Phylogenetics and Evolution*, **2006**, 40, 620-7	4.1	16
108	Development and characterization of microsatellite loci in the endangered oyster mussel Epioblasma capsaeformis (Bivalvia: Unionidae). *Molecular Ecology Notes*, **2004**, 4, 649-652		16
107	Phylogeography and subspecies assessment of vicu□as in Chile and Bolivia utilizing mtDNA and microsatellite markers: implications for vicu□a conservation and management. *Conservation Genetics*, **2004**, 5, 89-102	2.6	16
106	Whole-Genome Identification, Phylogeny, and Evolution of the Cytochrome P450 Family 2 (CYP2) Subfamilies in Birds. *Genome Biology and Evolution*, **2016**, 8, 1115-31	3.9	15
105	Conservation Genetics of the Cheetah: Lessons Learned and New Opportunities. *Journal of Heredity* , **2017**, 108, 671-677	2.4	15
104	Adaptive evolution of the matrix extracellular phosphoglycoprotein in mammals. *BMC Evolutionary Biology*, **2011**, 11, 342	3	15
103	Dynamic and nonspecific dispersal of human T-cell leukemia/lymphoma virus type-I integration in cultured lymphoma cells. *Virology*, **1986**, 154, 67-75	3.6	15

102	Evolution of gene regulation in ruminants differs between evolutionary breakpoint regions and homologous synteny blocks. *Genome Research*, **2019**, 29, 576-589	9.7	15
101	Whole Genome Sequencing and Re-sequencing of the Sable Antelope (): A Resource for Monitoring Diversity in and Populations. *G3: Genes, Genomes, Genetics*, **2019**, 9, 1785-1793	3.2	14
100	Continued decline in genetic diversity among wild cheetahs (Acinonyx jubatus) without further loss of semen quality. *Biological Conservation*, **2016**, 200, 192-199	6.2	14
99	The Population Origins and Expansion of Feral Cats in Australia. *Journal of Heredity*, **2016**, 107, 104-14	2.4	14
98	Effect of host genetics on incidence of HIV neuroretinal disorder in patients with AIDS. *Journal of Acquired Immune Deficiency Syndromes (1999)*, **2010**, 54, 343-51	3.1	14
97	Haplotype diversity in the interleukin-4 gene is not associated with HIV-1 transmission and AIDS progression. *Immunogenetics*, **2003**, 55, 157-164	3.2	14
96	Nonpathogenic Lion and Puma Lentiviruses Impart Resistance to Superinfection by Virulent Feline Immunodeficiency Virus. *Journal of Acquired Immune Deficiency Syndromes (1999)*, **2002**, 29, 1-10	3.1	14
95	AIDS: a role for host genes. *Hospital Practice (1995)*, **1998**, 33, 53-6, 59-60, 66-7 passim	2.2	14
94	A Mutation in LTBP2 Causes Congenital Glaucoma in Domestic Cats (Felis catus). *PLoS ONE*, **2016**, 11, e0154412	3.7	14
93	The Genome Russia project: closing the largest remaining omission on the world Genome map. *GigaScience*, **2015**, 4, 53	7.6	13
92	Association of host genetic risk factors with the course of cytomegalovirus retinitis in patients infected with human immunodeficiency virus. *American Journal of Ophthalmology*, **2011**, 151, 999-1006.e4	4.9	13
91	A suite of genetic markers useful in assessing wildcat (Felis silvestris ssp.)-domestic cat (Felis silvestris catus) admixture. *Journal of Heredity*, **2011**, 102 Suppl 1, S87-90	2.4	13
90	Risk factors for symptomatic hyperlactatemia and lactic acidosis among combination antiretroviral therapy-treated adults in Botswana: results from a clinical trial. *AIDS Research and Human Retroviruses*, **2012**, 28, 759-65	1.6	13
89	Cloning and mapping of cat (Felis catus) immunoglobulin and T-cell receptor genes. *Immunogenetics*, **1998**, 47, 226-33	3.2	13
88	The ancestral carnivore karyotype (2n = 38) lives today in ringtails. *Journal of Heredity*, **2008**, 99, 241-53	2.4	13
87	Genomics. Mmu 16--comparative genomic highlights. *Science*, **2002**, 296, 1617-8	33.3	13
86	Polymorphisms in the 3Nuntranslated region of the I kappa B/MAD-3 (NFKBI) gene located on chromosome 14. *Human Genetics*, **1994**, 93, 694-6	6.3	13
85	Genetic ancestry of the extinct Javan and Bali tigers. *Journal of Heredity*, **2015**, 106, 247-57	2.4	12

84	Molecular evidence for a recent demographic expansion in the puma (Puma concolor) (Mammalia, Felidae). *Genetics and Molecular Biology*, **2013**, 36, 586-97	2	12
83	A mutation in KIR3DS1 that results in truncation and lack of cell surface expression. *Immunogenetics*, **2007**, 59, 823-9	3.2	12
82	Detecting the vanishing populations of the highly endangered Darwin's fox, Pseudalopex fulvipes. *Animal Conservation*, **2004**, 7, 147-153	3.2	12
81	Hypervariable genomic variation to reconstruct the natural history of populations: lessons from the big cats. *Electrophoresis*, **1995**, 16, 1771-4	3.6	12
80	Transient linkage disequilibrium in Drosophila. *Nature*, **1971**, 230, 335-6	50.4	12
79	A population genetic database of cat breeds developed in coordination with a domestic cat STR multiplex. *Journal of Forensic Sciences*, **2012**, 57, 596-601	1.8	11
78	Chromosomal mapping of lysosomal enzyme structural genes in the domestic cat. *Genomics*, **1988**, 2, 329-36	4.3	11
77	Regional localization of rDNA gene on pig chromosome 10 by in situ hybridization. *Nihon Juigaku Zasshi*, **1988**, 50, 341-5		11
76	The Genome-Wide Analysis of Carcinoembryonic Antigen Signaling by Colorectal Cancer Cells Using RNA Sequencing. *PLoS ONE*, **2016**, 11, e0161256	3.7	11
75	Adaptive genomic evolution of opsins reveals that early mammals flourished in nocturnal environments. *BMC Genomics*, **2018**, 19, 121	4.5	11
74	Innovative assembly strategy contributes to understanding the evolution and conservation genetics of the endangered Solenodon paradoxus from the island of Hispaniola. *GigaScience*, **2018**, 7,	7.6	10
73	Does genetic introgression improve female reproductive performance? A test on the endangered Florida panther. *Oecologia*, **2012**, 168, 289-300	2.9	10
72	Fish lateral line innovation: insights into the evolutionary genomic dynamics of a unique mechanosensory organ. *Molecular Biology and Evolution*, **2012**, 29, 3887-98	8.3	10
71	Equine synteny mapping of comparative anchor tagged sequences (CATS) from human Chromosome 5. *Mammalian Genome*, **1999**, 10, 1082-4	3.2	10
70	Genomic prospecting. *Nature Medicine*, **1995**, 1, 742-4	50.5	10
69	Precision nomenclature for the new genomics. *GigaScience*, **2019**, 8,	7.6	9
68	De novo sequencing, assembly and analysis of eight different transcriptomes from the Malayan pangolin. *Scientific Reports*, **2016**, 6, 28199	4.9	9
67	The Vertebrate TLR Supergene Family Evolved Dynamically by Gene Gain/Loss and Positive Selection Revealing a Host–Pathogen Arms Race in Birds. *Diversity*, **2019**, 11, 131	2.5	9

66	Genetic variations affecting serum carcinoembryonic antigen levels and status of regional lymph nodes in patients with sporadic colorectal cancer from Southern China. *PLoS ONE*, **2014**, 9, e97923	3.7	9
65	Evaluation and integration of genetic signature for prediction risk of nasopharyngeal carcinoma in Southern China. *BioMed Research International*, **2014**, 2014, 434072	3	9
64	Mapping of the domestic cat "SILVER" coat color locus identifies a unique genomic location for silver in mammals. *Journal of Heredity*, **2009**, 100 Suppl 1, S8-13	2.4	9
63	Applying molecular genetic tools to tiger conservation. *Integrative Zoology*, **2010**, 5, 351-362	1.9	9
62	The platypus genome unraveled. *Cell*, **2008**, 133, 953-5	56.2	9
61	Isolation and characterization of microsatellite markers in pangolins (Mammalia, Pholidota, Manis spp.). *Molecular Ecology Notes*, **2007**, 7, 269-272		9
60	Mitogenomic sequences support a north-south subspecies subdivision within Solenodon paradoxus. *Mitochondrial DNA Part A: DNA Mapping, Sequencing, and Analysis*, **2017**, 28, 662-670	1.3	8
59	Applying molecular genetic tools to the conservation and action plan for the critically endangered Far Eastern leopard (Panthera pardus orientalis). *Comptes Rendus - Biologies*, **2003**, 326 Suppl 1, S93-7	1.4	8
58	Are pangolins scapegoats of the COVID-19 outbreak-CoV transmission and pathology evidence?. *Conservation Letters*, **2020**, 13, e12754	6.9	8
57	Genome-wide sequence analyses of ethnic populations across Russia. *Genomics*, **2020**, 112, 442-458	4.3	8
56	Genome-Wide Analyses Reveal Gene Influence on HIV Disease Progression and HIV-1C Acquisition in Southern Africa. *AIDS Research and Human Retroviruses*, **2017**, 33, 597-609	1.6	7
55	Putting Russia on the genome map. *Science*, **2015**, 350, 747	33.3	7
54	The dynamic proliferation of CanSINEs mirrors the complex evolution of Feliforms. *BMC Evolutionary Biology*, **2014**, 14, 137	3	7
53	Development of MHC-Linked Microsatellite Markers in the Domestic Cat and Their Use to Evaluate MHC Diversity in Domestic Cats, Cheetahs, and Gir Lions. *Journal of Heredity*, **2014**, 105, 493-505	2.4	7
52	Molecular genetic evidence for social group disruption of wild vicuñas Vicugna vicugna captured for wool harvest in Chile. *Small Ruminant Research*, **2009**, 84, 28-34	1.7	7
51	Genomes and evolution: the power of comparative genomics. *Current Opinion in Genetics and Development*, **2005**, 15, 569-71	4.9	7
50	Status of the world's smallest mammal, the bumble-bee bat Craseonycteris thonglongyai, in Myanmar. *Oryx*, **2006**, 40, 456-463	1.5	7
49	The genomics generation. *Current Biology*, **1993**, 3, 395-397	6.3	7

48	Positive Selection Linked with Generation of Novel Mammalian Dentition Patterns. *Genome Biology and Evolution*, **2016**, 8, 2748-59	3.9	6
47	Avian Binocularity and Adaptation to Nocturnal Environments: Genomic Insights from a Highly Derived Visual Phenotype. *Genome Biology and Evolution*, **2019**, 11, 2244-2255	3.9	6
46	Lack of associations between HLA class II alleles and resistance to HIV-1 infection among white, non-Hispanic homosexual men. *Journal of Acquired Immune Deficiency Syndromes (1999)*, **2004**, 37, 1313-7	3.1	6
45	Serum antibody to Rift Valley fever virus in African carnivores. *Annals of the New York Academy of Sciences*, **1996**, 791, 345-9	6.5	6
44	Linkage mapping of human polymorphic proteins identified by two-dimensional electrophoresis. *Genomics*, **1991**, 11, 875-84	4.3	6
43	New high copy tandem repeat in the content of the chicken W chromosome. *Chromosoma*, **2018**, 127, 73-83	2.8	5
42	PGD: a pangolin genome hub for the research community. *Database: the Journal of Biological Databases and Curation*, **2016**, 2016,	5	5
41	Restoring tigers to the Caspian region. *Science*, **2011**, 333, 822-3	33.3	5
40	Analysis of demographic and genetic trends for developing a captive breeding masterplan for the giant panda495-519		5
39	Cats. *Current Biology*, **2004**, 14, R988-9	6.3	5
38	Molecular cloning, chromosomal assignment, and nucleotide sequence of the feline homeobox HOX3A. *Genomics*, **1991**, 11, 1007-13	4.3	5
37	Bone-associated gene evolution and the origin of flight in birds. *BMC Genomics*, **2016**, 17, 371	4.5	5
36	Genetic Evidence for Contrasting Wetland and Savannah Habitat Specializations in Different Populations of Lions (Panthera leo). *Journal of Heredity*, **2016**, 107, 101-3	2.4	4
35	Whole-Genome Analysis of Mycobacterium tuberculosis from Patients with Tuberculous Spondylitis, Russia. *Emerging Infectious Diseases*, **2018**, 24, 579-583	10.2	4
34	Analytical "bake-off" of whole genome sequencing quality for the Genome Russia project using a small cohort for autoimmune hepatitis. *PLoS ONE*, **2018**, 13, e0200423	3.7	4
33	Artifacts of the 1.9x feline genome assembly derived from the feline-specific satellite sequence. *Journal of Heredity*, **2009**, 100 Suppl 1, S14-8	2.4	4
32	Cloning and chromosome mapping of the feline genes p21WAF1 and p27Kip1. *Gene*, **1997**, 198, 141-7	3.8	4
31	Genetic characterization of parental cell lines and biochemical analysis of somatic cell hybrids between mouse (RAG) cells and fibroblasts of Ateles paniscus chamek (primates, platyrrhini). *American Journal of Primatology*, **1993**, 30, 181-194	2.5	4

30	Conservation Genetics of the Cheetah: Genetic History and Implications for Conservation **2018**, 71-92		4
29	Primary cultures of human colon cancer as a model to study cancer stem cells. *Tumor Biology*, **2016**, 37, 12833-12842	2.9	3
28	What Is a Tiger? Genetics and Phylogeography **2010**, 35-51		3
27	Examination of disease-based selection, demographic history and population structure in European Y-chromosome haplogroup I. *Journal of Human Genetics*, **2010**, 55, 613-20	4.3	3
26	Adaptive chaos and AIDS. *Current Biology*, **1992**, 2, 203-5	6.3	3
25	The Domestic Cat, Felis catus, as a Model of Hereditary and Infectious Disease **2008**, 221-232		3
24	A Beautiful Life: High Risk-High Payoff in Genetic Science. *Annual Review of Animal Biosciences*, **2020**, 8, 1-24	13.7	3
23	Koalas (Phascolarctos cinereus) From Queensland Are Genetically Distinct From 2 Populations in Victoria. *Journal of Heredity*, **2016**, 107, 573-580	2.4	3
22	Comparative Chromosome Mapping of Musk Ox and the X Chromosome among Some Bovidae Species. *Genes*, **2019**, 10,	4.2	3
21	New Gene Variants Associated with the Risk of Chronic HBV Infection. *Virologica Sinica*, **2020**, 35, 378-387	7.4	3
20	GWATCH: a web platform for automated gene association discovery analysis. *GigaScience*, **2014**, 3, 18	7.6	2
19	Comparative genomics in vertebrates: a role for the platypus. Introduction. *Reproduction, Fertility and Development*, **2009**, 21, vii-ix	1.8	2
18	Parentage assessment among captive giant pandas in China245-273		2
17	Genetic aspects of carcinogenesis and carcinogen testing. *Journal of Toxicology and Environmental Health - Part A: Current Issues*, **1979**, 5, 69-81	3.2	2
16	Response to Comment by Faurby, Werdelin and Svenning. *Genome Biology*, **2016**, 17, 90	18.3	2
15	A decade of GigaScience: A perspective on conservation genetics. *GigaScience*, **2022**, 11,	7.6	2
14	Genetic Future for Florida Panthers--Response. *Science*, **2010**, 330, 1744-1744	33.3	1
13	Two-dimensional protein electrophoresis in phylogenetic studies. *Methods in Enzymology*, **1993**, 224, 113-21	1.7	1

12	Assignment of the feline alpha-L-iduronidase gene to chromosome D4. *Genomics*, **1989**, 4, 442-4	4.3	1
11	Parallels of genomic organization and of endogenous retrovirus organization in cat and man. *Genesis*, **1983**, 4, 341-354		1
10	Draft genome of Bugula neritina, a colonial animal packing powerful symbionts and potential medicines. *Scientific Data*, **2020**, 7, 356	8.2	1
9	Life table estimator revisited. *Communications in Statistics - Theory and Methods*, **2018**, 47, 2126-2133	0.5	1
8	Signal localization: a new approach in signal discovery. *Biometrical Journal*, **2017**, 59, 126-144	1.5	0
7	Reply from s.I. OBrien. *Trends in Ecology and Evolution*, **1989**, 4, 178	10.9	0
6	Evolution: a new cat species emerges. *Current Biology*, **2013**, 23, R1103-5	6.3	
5	Reply:. *Hepatology*, **2011**, 54, 375-376	11.2	
4	Palaeontological and molecular views of panda phylogeny. *Nature*, **1986**, 319, 428-428	50.4	
3	The paired label assay for cell surface antigens. *Tissue Culture Association Manual*, **1976**, 2, 423-427		
2	Preoperative transcatheter arterial chemotherapy may suppress oxidative stress in hepatocellular carcinoma cells and reduce the risk of short-term relapse. *Oncotarget*, **2017**, 8, 54402-54415	3.3	
1	Genetic Analysis in Mammals: Past, Present, and Future **1986**, 139-149		