Terje Raudsepp

List of Publications by Year in Descending Order

97 papers	3,382 citations	33 h-index	56 g-index
105 ext. papers	4,006 ext. citations	4.4 avg, IF	4.79 L-index

#	Paper	IF	Citations
97	The Second Case of Non-Mosaic Trisomy of Chromosome 26 with Homologous Fusion 26q;26q in the Horse.. *Animals*, **2022**, 12,	3.1	1
96	Clinical and Histological Features of Ovarian Hypoplasia/Dysgenesis in Alpacas.. *Frontiers in Veterinary Science*, **2022**, 9, 837684	3.1	
95	The role of impaired acrosomal exocytosis (IAE) in stallion subfertility: A retrospective analysis of the clinical condition, and an update on its diagnosis by high throughput technologies.. *Theriogenology*, **2022**, 186, 40-49	2.8	0
94	Thoroughbred stallion fertility is significantly associated with FKBP6 genotype but not with inbreeding or the contribution of a leading sire. *Animal Genetics*, **2021**, 52, 813-823	2.5	2
93	Generation of a Biobank From Two Adult Thoroughbred Stallions for the Functional Annotation of Animal Genomes Initiative. *Frontiers in Genetics*, **2021**, 12, 650305	4.5	0
92	Horse Clinical Cytogenetics: Recurrent Themes and Novel Findings. *Animals*, **2021**, 11,	3.1	7
91	Chromosomal Analysis **2021**, 89-95		
90	Novel Complex Unbalanced Dicentric X-Autosome Rearrangement in a Thoroughbred Mare with a Mild Effect on the Phenotype. *Cytogenetic and Genome Research*, **2020**, 160, 597-609	1.9	2
89	Cytogenetic Mapping of 35 New Markers in the Alpaca (). *Genes*, **2020**, 11,	4.2	1
88	Characterization of A Homozygous Deletion of Steroid Hormone Biosynthesis Genes in Horse Chromosome 29 as A Risk Factor for Disorders of Sex Development and Reproduction. *Genes*, **2020**, 11,	4.2	5
87	Genetics of Equine Reproductive Diseases. *Veterinary Clinics of North America Equine Practice*, **2020**, 36, 395-409	1.9	4
86	Two Novel Cases of Autosomal Translocations in the Horse: Warmblood Family Segregating t(4;30) and a Cloned Arabian with a de novo t(12;25). *Cytogenetic and Genome Research*, **2020**, 160, 688-697	1.9	3
85	Whole genome analysis reveals aneuploidies in early pregnancy loss in the horse. *Scientific Reports*, **2020**, 10, 13314	4.9	11
84	Sequence analysis in reveals pervasiveness of X-Y arms races in mammalian lineages. *Genome Research*, **2020**, 30, 1716-1726	9.7	6
83	Comparative FISH-Mapping of , , and in New and Old World Camelids and Association Analysis With Coat Color Phenotypes in the Dromedary (). *Frontiers in Genetics*, **2019**, 10, 340	4.5	6
82	The horse Y chromosome as an informative marker for tracing sire lines. *Scientific Reports*, **2019**, 9, 6095	4.9	12
81	An Autosomal Translocation 73,XY,t(12;20)(q11;q11) in an Infertile Male Llama () With Teratozoospermia. *Frontiers in Genetics*, **2019**, 10, 344	4.5	3

80	Population Genetic Analysis of the Estonian Native Horse Suggests Diverse and Distinct Genetics, Ancient Origin and Contribution from Unique Patrilines. *Genes*, **2019**, 10,	4.2	5
79	Azoospermia and Y Chromosome-Autosome Translocation in a Friesian Stallion. *Journal of Equine Veterinary Science*, **2019**, 82, 102781	1.2	4
78	Chromosome-Level Alpaca Reference Genome Improves Genomic Insight Into the Biology of New World Camelids. *Frontiers in Genetics*, **2019**, 10, 586	4.5	9
77	Chromosomal Localization of Candidate Genes for Fiber Growth and Color in Alpaca (). *Frontiers in Genetics*, **2019**, 10, 583	4.5	5
76	Ten years of the horse reference genome: insights into equine biology, domestication and population dynamics in the post-genome era. *Animal Genetics*, **2019**, 50, 569-597	2.5	19
75	Construction of two whole genome radiation hybrid panels for dromedary (Camelus dromedarius): 5000 and 15000. *Scientific Reports*, **2018**, 8, 1982	4.9	6
74	Horse Y chromosome assembly displays unique evolutionary features and putative stallion fertility genes. *Nature Communications*, **2018**, 9, 2945	17.4	35
73	Diagnosis of XX/XY Blood Cell Chimerism at a Low Percentage in Horses. *Journal of Equine Veterinary Science*, **2018**, 69, 129-135	1.2	9
72	Generation of an equine biobank to be used for Functional Annotation of Animal Genomes project. *Animal Genetics*, **2018**, 49, 564-570	2.5	19
71	Evolutionary conservation of Y Chromosome ampliconic gene families despite extensive structural variation. *Genome Research*, **2018**, 28, 1841-1851	9.7	21
70	A Non-Reciprocal Autosomal Translocation 64,XX, t(4;10)(q21;p15) in an Arabian Mare with Repeated Early Embryonic Loss. *Reproduction in Domestic Animals*, **2016**, 51, 171-4	1.6	8
69	Chromosome Aberrations and Fertility Disorders in Domestic Animals. *Annual Review of Animal Biosciences*, **2016**, 4, 15-43	13.7	41
68	Analysis of genomic copy number variation in equine recurrent airway obstruction (heaves). *Animal Genetics*, **2016**, 47, 334-44	2.5	12
67	Fertility Assessment in Sorraia Stallions by Sperm-Fish and Fkbp6 Genotyping. *Reproduction in Domestic Animals*, **2016**, 51, 351-9	1.6	2
66	Skeletal variation in Tennessee Walking Horses maps to the LCORL/NCAPG gene region. *Physiological Genomics*, **2016**, 48, 325-35	3.6	15
65	Large Deletions at the SHOX Locus in the Pseudoautosomal Region Are Associated with Skeletal Atavism in Shetland Ponies. *G3: Genes, Genomes, Genetics*, **2016**, 6, 2213-23	3.2	21
64	The Eutherian Pseudoautosomal Region. *Cytogenetic and Genome Research*, **2015**, 147, 81-94	1.9	58
63	A cytogenetic and comparative map of camelid chromosome 36 and the minute in alpacas. *Chromosome Research*, **2015**, 23, 237-51	4.4	11

62	Repeated Early Embryonic Loss in a Thoroughbred Mare with a Chromosomal Translocation [64,XX,t(2;13)]. *Journal of Equine Veterinary Science*, **2014**, 34, 805-809	1.2	7
61	Copy number variation in the horse genome. *PLoS Genetics*, **2014**, 10, e1004712	6	49
60	Cytogenetics and Infertility **2014**, 243-249		4
59	Male horse meiosis: metaphase I chromosome configuration and chiasmata distribution. *Cytogenetic and Genome Research*, **2014**, 143, 225-31	1.9	2
58	A comprehensive whole-genome integrated cytogenetic map for the alpaca (Lama pacos). *Cytogenetic and Genome Research*, **2014**, 144, 196-207	1.9	20
57	Ovarian dysgenesis in an alpaca with a minute chromosome 36. *Journal of Heredity*, **2014**, 105, 870-4	2.4	8
56	Development and application of camelid molecular cytogenetic tools. *Journal of Heredity*, **2014**, 105, 858-69	2.4	15
55	The Y-Chromosome **2013**, 73-92		1
54	Comparative organization and gene expression profiles of the porcine pseudoautosomal region. *Cytogenetic and Genome Research*, **2013**, 141, 26-36	1.9	7
53	Comparative analysis of mammalian Y chromosomes illuminates ancestral structure and lineage-specific evolution. *Genome Research*, **2013**, 23, 1486-95	9.7	77
52	Stallion sperm transcriptome comprises functionally coherent coding and regulatory RNAs as revealed by microarray analysis and RNA-seq. *PLoS ONE*, **2013**, 8, e56535	3.7	61
51	The pseudoautosomal region and sex chromosome aneuploidies in domestic species. *Sexual Development*, **2012**, 6, 72-83	1.6	57
50	Cytogenetic and molecular characterization of Y isochromosome in a 63XO/64Xi(Yq) mosaic karyotype of an intersex horse. *Sexual Development*, **2012**, 6, 117-27	1.6	10
49	Genome-wide association study implicates testis-sperm specific FKBP6 as a susceptibility locus for impaired acrosome reaction in stallions. *PLoS Genetics*, **2012**, 8, e1003139	6	20
48	A Chromosome Translocation [64,XX,t(2;13)] in a Thoroughbred Mare with Repeated Early Embryonic Loss. *Journal of Equine Veterinary Science*, **2011**, 31, 240	1.2	
47	A gene catalogue of the euchromatic male-specific region of the horse Y chromosome: comparison with human and other mammals. *PLoS ONE*, **2011**, 6, e21374	3.7	49
46	Cytogenetics and chromosome maps. **2011**, 134-178		7
45	Total RNA isolation from stallion sperm and testis biopsies. *Theriogenology*, **2010**, 74, 1099-1106, 1106e1-3	1.8	60

44	Molecular heterogeneity of XY sex reversal in horses. *Animal Genetics*, **2010**, 41 Suppl 2, 41-52	2.5	36
43	XX/XY Blood Lymphocyte Chimerism in Heterosexual Dizygotic Twins from an American Bashkir Curly Horse. Case Report. *Journal of Equine Veterinary Science*, **2010**, 30, 575-580	1.2	12
42	Characterization of the bovine pseudoautosomal region and comparison with sheep, goat, and other mammalian pseudoautosomal regions. *Cytogenetic and Genome Research*, **2009**, 126, 139-47	1.9	48
41	A high-resolution cat radiation hybrid and integrated FISH mapping resource for phylogenomic studies across Felidae. *Genomics*, **2009**, 93, 299-304	4.3	39
40	Genome sequence, comparative analysis, and population genetics of the domestic horse. *Science*, **2009**, 326, 865-7	33.3	559
39	FISH for mapping single copy genes. *Methods in Molecular Biology*, **2008**, 422, 31-49	1.4	42
38	The horse pseudoautosomal region (PAR): characterization and comparison with the human, chimp and mouse PARs. *Cytogenetic and Genome Research*, **2008**, 121, 102-9	1.9	39
37	Potential applications of equine genomics in dissecting diseases and fertility. *Animal Reproduction Science*, **2008**, 107, 208-18	2.1	20
36	Gene discovery and comparative analysis of X-degenerate genes from the domestic cat Y chromosome. *Genomics*, **2008**, 92, 329-38	4.3	43
35	A 4,103 marker integrated physical and comparative map of the horse genome. *Cytogenetic and Genome Research*, **2008**, 122, 28-36	1.9	45
34	The horse genome derby: racing from map to whole genome sequence. *Chromosome Research*, **2008**, 16, 109-27	4.4	28
33	High-resolution gene maps of horse chromosomes 14 and 21: additional insights into evolution and rearrangements of HSA5 homologs in mammals. *Genomics*, **2007**, 89, 89-112	4.3	9
32	Novel gene acquisition on carnivore Y chromosomes. *PLoS Genetics*, **2006**, 2, e43	6	56
31	The horse genome. *Genome Dynamics*, **2006**, 2, 97-110		9
30	A 1.3-Mb interval map of equine homologs of HSA2. *Cytogenetic and Genome Research*, **2006**, 112, 227-34	1.9	8
29	Single linkage group per chromosome genetic linkage map for the horse, based on two three-generation, full-sibling, crossbred horse reference families. *Genomics*, **2006**, 87, 1-29	4.3	59
28	Construction of a medium-density horse gene map. *Animal Genetics*, **2006**, 37, 145-55	2.5	29
27	High-resolution RH map of horse chromosome 22 reveals a putative ancestral vertebrate chromosome. *Genomics*, **2005**, 85, 188-200	4.3	14

26	Dynamics of mammalian chromosome evolution inferred from multispecies comparative maps. *Science*, **2005**, 309, 613-7	33.3	447
25	A high-resolution physical map of equine homologs of HSA19 shows divergent evolution compared with other mammals. *Mammalian Genome*, **2005**, 16, 631-49	3.2	21
24	Mapping genomes at the chromosome level. **2005**, 23-65		6
23	A detailed physical map of the horse Y chromosome. *Proceedings of the National Academy of Sciences of the United States of America*, **2004**, 101, 9321-6	11.5	58
22	Exceptional conservation of horse-human gene order on X chromosome revealed by high-resolution radiation hybrid mapping. *Proceedings of the National Academy of Sciences of the United States of America*, **2004**, 101, 2386-91	11.5	64
21	Natural killer cell receptors in the horse: evidence for the existence of multiple transcribed LY49 genes. *European Journal of Immunology*, **2004**, 34, 773-784	6.1	51
20	A 1.4-Mb interval RH map of horse chromosome 17 provides detailed comparison with human and mouse homologues. *Genomics*, **2004**, 83, 203-15	4.3	16
19	The first-generation whole-genome radiation hybrid map in the horse identifies conserved segments in human and mouse genomes. *Genome Research*, **2003**, 13, 742-51	9.7	121
18	An ordered BAC contig map of the equine major histocompatibility complex. *Cytogenetic and Genome Research*, **2003**, 102, 189-95	1.9	61
17	Construction of a 5000(rad) whole-genome radiation hybrid panel in the horse and generation of a comprehensive and comparative map for ECA11. *Mammalian Genome*, **2002**, 13, 89-94	3.2	70
16	Comparative mapping in equids: the asine X chromosome is rearranged compared to horse and Hartmann's mountain zebra. *Cytogenetic and Genome Research*, **2002**, 96, 206-9	1.9	15
15	Conservation of gene order between horse and human X chromosomes as evidenced through radiation hybrid mapping. *Genomics*, **2002**, 79, 451-7	4.3	23
14	Cytogenetic analysis of California condor (Gymnogyps californianus) chromosomes: comparison with chicken (Gallus gallus) macrochromosomes. *Cytogenetic and Genome Research*, **2002**, 98, 54-60	1.9	55
13	Correspondence of human chromosomes 9, 12, 15, 16, 19 and 20 with donkey chromosomes refines homology between horse and donkey karyotypes. *Chromosome Research*, **2001**, 9, 623-9	4.4	5
12	Chromosome painting in farm, pet and wild animal species. *Cytotechnology*, **2001**, 23, 37-55		33
11	Comparative FISH mapping of 32 loci reveals new homologous regions between donkey and horse karyotypes. *Cytogenetic and Genome Research*, **2001**, 94, 180-5	1.9	14
10	Cytogenetics of donkey chromosomes: nomenclature proposal based on GTG-banded chromosomes and depiction of NORs and telomeric sites. *Chromosome Research*, **2000**, 8, 659-70	4.4	24
9	Cytogenetics and physical gene maps. **2000**, 171-241		12

8	Construction of chromosome-specific paints for meta- and submetacentric autosomes and the sex chromosomes in the horse and their use to detect homologous chromosomal segments in the donkey. *Chromosome Research*, **1999**, 7, 103-14	4.4	39
7	Comparison of horse chromosome 3 with donkey and human chromosomes by cross-species painting and heterologous FISH mapping. *Mammalian Genome*, **1999**, 10, 277-82	3.2	33
6	Zoo-FISH with microdissected arm specific paints for HSA2, 5, 6, 16, and 19 refines known homology with pig and horse chromosomes. *Mammalian Genome*, **1998**, 9, 44-9	3.2	31
5	International system for cytogenetic nomenclature of the domestic horse. Report of the Third International Committee for the Standardization of the domestic horse karyotype, Davis, CA, USA, 1996. *Chromosome Research*, **1997**, 5, 433-43	4.4	105
4	FISH mapping of the IGF2 gene in horse and donkey-detection of homoeology with HSA11. *Mammalian Genome*, **1997**, 8, 569-72	3.2	33
3	Zoo-FISH delineates conserved chromosomal segments in horse and man. *Chromosome Research*, **1996**, 4, 218-25	4.4	122
2	Genomics of Reproduction and Fertility199-215		4
1	Physical and Comparative Maps49-71		2