

Terje Raudsepp

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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	Genome sequence, comparative analysis, and population genetics of the domestic horse. <i>Science</i> , 2009 , 326, 865-7	33.3	559
96	Dynamics of mammalian chromosome evolution inferred from multispecies comparative maps. <i>Science</i> , 2005 , 309, 613-7	33.3	447
95	Zoo-FISH delineates conserved chromosomal segments in horse and man. <i>Chromosome Research</i> , 1996 , 4, 218-25	4.4	122
94	The first-generation whole-genome radiation hybrid map in the horse identifies conserved segments in human and mouse genomes. <i>Genome Research</i> , 2003 , 13, 742-51	9.7	121
93	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. <i>Chromosome Research</i> , 1997 , 5, 433-43	4.4	105
92	Comparative analysis of mammalian Y chromosomes illuminates ancestral structure and lineage-specific evolution. <i>Genome Research</i> , 2013 , 23, 1486-95	9.7	77
91	Construction of a 5000(rad) whole-genome radiation hybrid panel in the horse and generation of a comprehensive and comparative map for ECA11. <i>Mammalian Genome</i> , 2002 , 13, 89-94	3.2	70
90	Exceptional conservation of horse-human gene order on X chromosome revealed by high-resolution radiation hybrid mapping. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004 , 101, 2386-91	11.5	64
89	Stallion sperm transcriptome comprises functionally coherent coding and regulatory RNAs as revealed by microarray analysis and RNA-seq. <i>PLoS ONE</i> , 2013 , 8, e56535	3.7	61
88	An ordered BAC contig map of the equine major histocompatibility complex. <i>Cytogenetic and Genome Research</i> , 2003 , 102, 189-95	1.9	61
87	Total RNA isolation from stallion sperm and testis biopsies. <i>Theriogenology</i> , 2010 , 74, 1099-1106, 1106e1-8	1.8	60
86	Single linkage group per chromosome genetic linkage map for the horse, based on two three-generation, full-sibling, crossbred horse reference families. <i>Genomics</i> , 2006 , 87, 1-29	4.3	59
85	The Eutherian Pseudoautosomal Region. <i>Cytogenetic and Genome Research</i> , 2015 , 147, 81-94	1.9	58
84	A detailed physical map of the horse Y chromosome. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004 , 101, 9321-6	11.5	58
83	The pseudoautosomal region and sex chromosome aneuploidies in domestic species. <i>Sexual Development</i> , 2012 , 6, 72-83	1.6	57
82	Novel gene acquisition on carnivore Y chromosomes. <i>PLoS Genetics</i> , 2006 , 2, e43	6	56
81	Cytogenetic analysis of California condor (<i>Gymnogyps californianus</i>) chromosomes: comparison with chicken (<i>Gallus gallus</i>) macrochromosomes. <i>Cytogenetic and Genome Research</i> , 2002 , 98, 54-60	1.9	55

80	Natural killer cell receptors in the horse: evidence for the existence of multiple transcribed LY49 genes. <i>European Journal of Immunology</i> , 2004 , 34, 773-784	6.1	51
79	Copy number variation in the horse genome. <i>PLoS Genetics</i> , 2014 , 10, e1004712	6	49
78	A gene catalogue of the euchromatic male-specific region of the horse Y chromosome: comparison with human and other mammals. <i>PLoS ONE</i> , 2011 , 6, e21374	3.7	49
77	Characterization of the bovine pseudoautosomal region and comparison with sheep, goat, and other mammalian pseudoautosomal regions. <i>Cytogenetic and Genome Research</i> , 2009 , 126, 139-47	1.9	48
76	A 4,103 marker integrated physical and comparative map of the horse genome. <i>Cytogenetic and Genome Research</i> , 2008 , 122, 28-36	1.9	45
75	Gene discovery and comparative analysis of X-degenerate genes from the domestic cat Y chromosome. <i>Genomics</i> , 2008 , 92, 329-38	4.3	43
74	FISH for mapping single copy genes. <i>Methods in Molecular Biology</i> , 2008 , 422, 31-49	1.4	42
73	Chromosome Aberrations and Fertility Disorders in Domestic Animals. <i>Annual Review of Animal Biosciences</i> , 2016 , 4, 15-43	13.7	41
72	A high-resolution cat radiation hybrid and integrated FISH mapping resource for phylogenomic studies across Felidae. <i>Genomics</i> , 2009 , 93, 299-304	4.3	39
71	The horse pseudoautosomal region (PAR): characterization and comparison with the human, chimp and mouse PARs. <i>Cytogenetic and Genome Research</i> , 2008 , 121, 102-9	1.9	39
70	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. <i>Chromosome Research</i> , 1999 , 7, 103-14	4.4	39
69	Molecular heterogeneity of XY sex reversal in horses. <i>Animal Genetics</i> , 2010 , 41 Suppl 2, 41-52	2.5	36
68	Horse Y chromosome assembly displays unique evolutionary features and putative stallion fertility genes. <i>Nature Communications</i> , 2018 , 9, 2945	17.4	35
67	FISH mapping of the IGF2 gene in horse and donkey-detection of homoeology with HSA11. <i>Mammalian Genome</i> , 1997 , 8, 569-72	3.2	33
66	Chromosome painting in farm, pet and wild animal species. <i>Cytotechnology</i> , 2001 , 23, 37-55		33
65	Comparison of horse chromosome 3 with donkey and human chromosomes by cross-species painting and heterologous FISH mapping. <i>Mammalian Genome</i> , 1999 , 10, 277-82	3.2	33
64	Zoo-FISH with microdissected arm specific paints for HSA2, 5, 6, 16, and 19 refines known homology with pig and horse chromosomes. <i>Mammalian Genome</i> , 1998 , 9, 44-9	3.2	31
63	Construction of a medium-density horse gene map. <i>Animal Genetics</i> , 2006 , 37, 145-55	2.5	29

62	The horse genome derby: racing from map to whole genome sequence. <i>Chromosome Research</i> , 2008 , 16, 109-27	4.4	28
61	Cytogenetics of donkey chromosomes: nomenclature proposal based on GTG-banded chromosomes and depiction of NORs and telomeric sites. <i>Chromosome Research</i> , 2000 , 8, 659-70	4.4	24
60	Conservation of gene order between horse and human X chromosomes as evidenced through radiation hybrid mapping. <i>Genomics</i> , 2002 , 79, 451-7	4.3	23
59	A high-resolution physical map of equine homologs of HSA19 shows divergent evolution compared with other mammals. <i>Mammalian Genome</i> , 2005 , 16, 631-49	3.2	21
58	Large Deletions at the SHOX Locus in the Pseudoautosomal Region Are Associated with Skeletal Atavism in Shetland Ponies. <i>G3: Genes, Genomes, Genetics</i> , 2016 , 6, 2213-23	3.2	21
57	Evolutionary conservation of Y Chromosome ampliconic gene families despite extensive structural variation. <i>Genome Research</i> , 2018 , 28, 1841-1851	9.7	21
56	A comprehensive whole-genome integrated cytogenetic map for the alpaca (<i>Lama pacos</i>). <i>Cytogenetic and Genome Research</i> , 2014 , 144, 196-207	1.9	20
55	Genome-wide association study implicates testis-sperm specific FKBP6 as a susceptibility locus for impaired acrosome reaction in stallions. <i>PLoS Genetics</i> , 2012 , 8, e1003139	6	20
54	Potential applications of equine genomics in dissecting diseases and fertility. <i>Animal Reproduction Science</i> , 2008 , 107, 208-18	2.1	20
53	Ten years of the horse reference genome: insights into equine biology, domestication and population dynamics in the post-genome era. <i>Animal Genetics</i> , 2019 , 50, 569-597	2.5	19
52	Generation of an equine biobank to be used for Functional Annotation of Animal Genomes project. <i>Animal Genetics</i> , 2018 , 49, 564-570	2.5	19
51	A 1.4-Mb interval RH map of horse chromosome 17 provides detailed comparison with human and mouse homologues. <i>Genomics</i> , 2004 , 83, 203-15	4.3	16
50	Development and application of camelid molecular cytogenetic tools. <i>Journal of Heredity</i> , 2014 , 105, 858-69	2.4	15
49	Comparative mapping in equids: the asine X chromosome is rearranged compared to horse and Hartmann's mountain zebra. <i>Cytogenetic and Genome Research</i> , 2002 , 96, 206-9	1.9	15
48	Skeletal variation in Tennessee Walking Horses maps to the LCORL/NCAPG gene region. <i>Physiological Genomics</i> , 2016 , 48, 325-35	3.6	15
47	High-resolution RH map of horse chromosome 22 reveals a putative ancestral vertebrate chromosome. <i>Genomics</i> , 2005 , 85, 188-200	4.3	14
46	Comparative FISH mapping of 32 loci reveals new homologous regions between donkey and horse karyotypes. <i>Cytogenetic and Genome Research</i> , 2001 , 94, 180-5	1.9	14
45	The horse Y chromosome as an informative marker for tracing sire lines. <i>Scientific Reports</i> , 2019 , 9, 60954.9	4.9	12

44	XX/XY Blood Lymphocyte Chimerism in Heterosexual Dizygotic Twins from an American Bashkir Curly Horse. Case Report. <i>Journal of Equine Veterinary Science</i> , 2010 , 30, 575-580	1.2	12
43	Cytogenetics and physical gene maps. 2000 , 171-241		12
42	Analysis of genomic copy number variation in equine recurrent airway obstruction (heaves). <i>Animal Genetics</i> , 2016 , 47, 334-44	2.5	12
41	A cytogenetic and comparative map of camelid chromosome 36 and the minute in alpacas. <i>Chromosome Research</i> , 2015 , 23, 237-51	4.4	11
40	Whole genome analysis reveals aneuploidies in early pregnancy loss in the horse. <i>Scientific Reports</i> , 2020 , 10, 13314	4.9	11
39	Cytogenetic and molecular characterization of Y isochromosome in a 63XO/64Xi(Yq) mosaic karyotype of an intersex horse. <i>Sexual Development</i> , 2012 , 6, 117-27	1.6	10
38	Diagnosis of XX/XY Blood Cell Chimerism at a Low Percentage in Horses. <i>Journal of Equine Veterinary Science</i> , 2018 , 69, 129-135	1.2	9
37	Chromosome-Level Alpaca Reference Genome Improves Genomic Insight Into the Biology of New World Camelids. <i>Frontiers in Genetics</i> , 2019 , 10, 586	4.5	9
36	The horse genome. <i>Genome Dynamics</i> , 2006 , 2, 97-110		9
35	High-resolution gene maps of horse chromosomes 14 and 21: additional insights into evolution and rearrangements of HSA5 homologs in mammals. <i>Genomics</i> , 2007 , 89, 89-112	4.3	9
34	A Non-Reciprocal Autosomal Translocation 64,XX, t(4;10)(q21;p15) in an Arabian Mare with Repeated Early Embryonic Loss. <i>Reproduction in Domestic Animals</i> , 2016 , 51, 171-4	1.6	8
33	Ovarian dysgenesis in an alpaca with a minute chromosome 36. <i>Journal of Heredity</i> , 2014 , 105, 870-4	2.4	8
32	A 1.3-Mb interval map of equine homologs of HSA2. <i>Cytogenetic and Genome Research</i> , 2006 , 112, 227-34.	3.9	8
31	Repeated Early Embryonic Loss in a Thoroughbred Mare with a Chromosomal Translocation [64,XX,t(2;13)]. <i>Journal of Equine Veterinary Science</i> , 2014 , 34, 805-809	1.2	7
30	Comparative organization and gene expression profiles of the porcine pseudoautosomal region. <i>Cytogenetic and Genome Research</i> , 2013 , 141, 26-36	1.9	7
29	Cytogenetics and chromosome maps. 2011 , 134-178		7
28	Horse Clinical Cytogenetics: Recurrent Themes and Novel Findings. <i>Animals</i> , 2021 , 11,	3.1	7
27	Comparative FISH-Mapping of , , and in New and Old World Camelids and Association Analysis With Coat Color Phenotypes in the Dromedary (). <i>Frontiers in Genetics</i> , 2019 , 10, 340	4.5	6

26	Construction of two whole genome radiation hybrid panels for dromedary (<i>Camelus dromedarius</i>): 5000 and 15000. <i>Scientific Reports</i> , 2018 , 8, 1982	4.9	6
25	Mapping genomes at the chromosome level. 2005 , 23-65		6
24	Sequence analysis in reveals pervasiveness of X-Y arms races in mammalian lineages. <i>Genome Research</i> , 2020 , 30, 1716-1726	9.7	6
23	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. <i>Genes</i> , 2020 , 11,	4.2	5
22	Population Genetic Analysis of the Estonian Native Horse Suggests Diverse and Distinct Genetics, Ancient Origin and Contribution from Unique Patriline. <i>Genes</i> , 2019 , 10,	4.2	5
21	Chromosomal Localization of Candidate Genes for Fiber Growth and Color in Alpaca (). <i>Frontiers in Genetics</i> , 2019 , 10, 583	4.5	5
20	Correspondence of human chromosomes 9, 12, 15, 16, 19 and 20 with donkey chromosomes refines homology between horse and donkey karyotypes. <i>Chromosome Research</i> , 2001 , 9, 623-9	4.4	5
19	Genetics of Equine Reproductive Diseases. <i>Veterinary Clinics of North America Equine Practice</i> , 2020 , 36, 395-409	1.9	4
18	Azoospermia and Y Chromosome-Autosome Translocation in a Friesian Stallion. <i>Journal of Equine Veterinary Science</i> , 2019 , 82, 102781	1.2	4
17	Cytogenetics and Infertility 2014 , 243-249		4
16	Genomics of Reproduction and Fertility 199-215		4
15	An Autosomal Translocation 73,XY,t(12;20)(q11;q11) in an Infertile Male Llama () With Teratozoospermia. <i>Frontiers in Genetics</i> , 2019 , 10, 344	4.5	3
14	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). <i>Cytogenetic and Genome Research</i> , 2020 , 160, 688-697	1.9	3
13	Novel Complex Unbalanced Dicentric X-Autosome Rearrangement in a Thoroughbred Mare with a Mild Effect on the Phenotype. <i>Cytogenetic and Genome Research</i> , 2020 , 160, 597-609	1.9	2
12	Male horse meiosis: metaphase I chromosome configuration and chiasmata distribution. <i>Cytogenetic and Genome Research</i> , 2014 , 143, 225-31	1.9	2
11	Thoroughbred stallion fertility is significantly associated with FKBP6 genotype but not with inbreeding or the contribution of a leading sire. <i>Animal Genetics</i> , 2021 , 52, 813-823	2.5	2
10	Fertility Assessment in Sorraia Stallions by Sperm-Fish and Fkbp6 Genotyping. <i>Reproduction in Domestic Animals</i> , 2016 , 51, 351-9	1.6	2
9	Physical and Comparative Maps 49-71		2

8	Cytogenetic Mapping of 35 New Markers in the Alpaca (). <i>Genes</i> , 2020 , 11,	4.2	1
7	The Y-Chromosome 2013 , 73-92		1
6	The Second Case of Non-Mosaic Trisomy of Chromosome 26 with Homologous Fusion 26q;26q in the Horse.. <i>Animals</i> , 2022 , 12,	3.1	1
5	Generation of a Biobank From Two Adult Thoroughbred Stallions for the Functional Annotation of Animal Genomes Initiative. <i>Frontiers in Genetics</i> , 2021 , 12, 650305	4.5	0
4	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.. <i>Theriogenology</i> , 2022 , 186, 40-49	2.8	0
3	A Chromosome Translocation [64,XX,t(2;13)] in a Thoroughbred Mare with Repeated Early Embryonic Loss. <i>Journal of Equine Veterinary Science</i> , 2011 , 31, 240	1.2	
2	Chromosomal Analysis 2021 , 89-95		
1	Clinical and Histological Features of Ovarian Hypoplasia/Dysgenesis in Alpacas.. <i>Frontiers in Veterinary Science</i> , 2022 , 9, 837684	3.1	