Polina L Perelman

List of Publications by Year
in descending order

70 papers	4,933 citations	196777 29 h-index	111975 67 g-index
72 all docs	72 docs citations	72 times ranked	7352 citing authors

#	Article	IF	Citations
1	Evolution of Tandemly Arranged Repetitive DNAs in Three Species of Cyprinoidei with Different Ploidy Levels. Cytogenetic and Genome Research, 2021, 161, 32-42.	0.6	3
2	Draft de novo Genome Assembly of the Elusive Jaguarundi, Puma yagouaroundi. Journal of Heredity, 2021, 112, 540-548.	1.0	5
3	Repetitive Sequence Distribution on Saguinus, Leontocebus and Leontopithecus Tamarins (Platyrrhine,) Tj ETQq1 1 0.784314 rgBT /Ove	1.3	4
4	Massive LINEâ€1 retrotransposon enrichment in tamarins of the Cebidae family (Platyrrhini, Primates) and its significance for genome evolution. Journal of Zoological Systematics and Evolutionary Research, 2021, 59, 2553-2561.	0.6	3
5	Karyotype Evolution in 10 Pinniped Species: Variability of Heterochromatin versus High Conservatism of Euchromatin as Revealed by Comparative Molecular Cytogenetics. Genes, 2020, 11, 1485.	1.0	8
6	A draft genome assembly of spotted hyena, Crocuta crocuta. Scientific Data, 2020, 7, 126.	2.4	6
7	Evolution of the Human Chromosome 13 Synteny: Evolutionary Rearrangements, Plasticity, Human Disease Genes and Cancer Breakpoints. Genes, 2020, 11, 383.	1.0	10
8	Uso de la micromatriz de alta densidad de bovino para la construcciÃ³n de un mapa fÃsico de polimorfismos de nucleÃ³tido simple en alpacas (Vicugna pacos). Revista De Investigaciones Veterinarias Del Peru, 2020, 31, e18725.	0.0	0
9	Chromosome-Level Alpaca Reference Genome VicPac3.1 Improves Genomic Insight Into the Biology of New World Camelids. Frontiers in Genetics, 2019, 10, 586.	1.1	19
10	Improving Illumina assemblies with Hiâ€C and long reads: An example with the North African dromedary. Molecular Ecology Resources, 2019, 19, 1015-1026.	2.2	67
11	Evolution of gene regulation in ruminants differs between evolutionary breakpoint regions and homologous synteny blocks. Genome Research, 2019, 29, 576-589.	2.4	39
12	Comparative Chromosome Mapping of Musk Ox and the X Chromosome among Some Bovidae Species. Genes, 2019, 10, 857.	1.0	8
13	Construction of two whole genome radiation hybrid panels for dromedary (Camelus dromedarius): 5000RAD and 15000RAD. Scientific Reports, 2018, 8, 1982.	1.6	20
14	Multiple intrasyntenic rearrangements and rapid speciation in voles. Scientific Reports, 2018, 8, 14980.	1.6	11
15	A combined banding method that allows the reliable identification of chromosomes as well as differentiation of AT- and GC-rich heterochromatin. Chromosome Research, 2018, 26, 307-315.	1.0	19
16	Red fox genome assembly identifies genomic regions associated with tame and aggressive behaviours. Nature Ecology and Evolution, 2018, 2, 1479-1491.	3.4	113
17	The Case of X and Y Localization of Nucleolus Organizer Regions (NORs) in Tragulus javanicus (Cetartiodactyla, Mammalia). Genes, 2018, 9, 312.	1.0	7
18	Sequencing of Supernumerary Chromosomes of Red Fox and Raccoon Dog Confirms a Non-Random Gene Acquisition by B Chromosomes. Genes, 2018, 9, 405.	1.0	22

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19	Naked mole rat cells display more efficient excision repair than mouse cells. Aging, 2018, 10, 1454-1473.	1.4	38
20	Centromere repositioning explains fundamental number variability in the New World monkey genus Saimiri. Chromosoma, 2017, 126, 519-529.	1.0	12
21	Intrachromosomal Rearrangements in Rodents from the Perspective of Comparative Region-Specific Painting. Genes, 2017, 8, 215.	1.0	12
22	X Chromosome Evolution in Cetartiodactyla. Genes, 2017, 8, 216.	1.0	24
23	The Ancestral Carnivore Karyotype As Substantiated by Comparative Chromosome Painting of Three Pinnipeds, the Walrus, the Steller Sea Lion and the Baikal Seal (Pinnipedia, Carnivora). PLoS ONE, 2016, 11, e0147647.	1.1	15
24	Rapid Karyotype Evolution in Lasiopodomys Involved at Least Two Autosome â€“ Sex Chromosome Translocations. PLoS ONE, 2016, 11, e0167653.	1.1	19
25	Comparative Chromosome Map and Heterochromatin Features of the Gray Whale Karyotype (Cetacea). Cytogenetic and Genome Research, 2016, 148, 25-34.	0.6	13
26	A First Generation Comparative Chromosome Map between Guinea Pig (Cavia porcellus) and Humans. PLoS ONE, 2015, 10, e0127937.	1.1	14
27	Genomic legacy of the African cheetah, Acinonyx jubatus. Genome Biology, 2015, 16, 277.	3.8	167
28	Platinum coat color in red fox (Vulpes vulpes) is caused by a mutation in an autosomal copy ofKIT. Animal Genetics, 2015, 46, 190-199.	0.6	13
29	Whole-genome analyses resolve early branches in the tree of life of modern birds. Science, 2014, 346, 1320-1331.	6.0	1,583
30	A Comprehensive Whole-Genome Integrated Cytogenetic Map for the Alpaca<b><i> (Lama) Tj ETQq0 0 0 rgBT /Overlock 10 T	0.6	59
31	Development and Application of Camelid Molecular Cytogenetic Tools. Journal of Heredity, 2014, 105, 952-963.	1.0	36
32	A New Case of an Inherited Reciprocal Translocation in Cattle: rcp(13;26)(q24;q11). Cytogenetic and Genome Research, 2014, 144, 208-211.	0.6	2
33	Comparative chromosome painting of pronghorn (Antilocapra americana) and saola (Pseudoryx) Tj ETQq1 1 0.784314 rgBT /Overlock	2.7	7
34	Molecular cytogenetic insights to the phylogenetic affinities of the giraffe (Giraffa camelopardalis) and pronghorn (Antilocapra americana). Chromosome Research, 2013, 21, 447-460.	1.0	17
35	Transcription of a protein-coding gene on B chromosomes of the Siberian roe deer (Capreolus) Tj ETQq1 1 0.784314 rgBT /Overlock	1.7	58
36	Tissue sampling methods and standards for vertebrate genomics. GigaScience, 2012, 1, 8.	3.3	51

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37	Chromosome Painting of the Pygmy Tree Shrew Shows that No Derived Cytogenetic Traits Link Primates and Scandentia. Cytogenetic and Genome Research, 2012, 136, 175-179.	0.6	11
38	Comparative Chromosome Painting in Carnivora and Pholidota. Cytogenetic and Genome Research, 2012, 137, 174-193.	0.6	18
39	Chromosomal evolution in Rodentia. Heredity, 2012, 108, 4-16.	1.2	70
40	Chromosomal rearrangements and karyotype evolution in carnivores revealed by chromosome painting. Heredity, 2012, 108, 17-27.	1.2	45
41	A Molecular Phylogeny of Living Primates. PLoS Genetics, 2011, 7, e1001342.	1.5	1,130
42	Karyotype Evolution of Eulipotyphla (Insectivora): The Genome Homology of Seven Sorex Species Revealed by Comparative Chromosome Painting and Banding Data. Cytogenetic and Genome Research, 2011, 135, 51-64.	0.6	23
43	Comparative cytogenetics of main Laurasiatheria taxa. Russian Journal of Genetics, 2010, 46, 1132-1137.	0.2	1
44	Comparative cytogenetics of rodents. Russian Journal of Genetics, 2010, 46, 1138-1142.	0.2	4
45	Cross-species chromosome painting in Cetartiodactyla: Reconstructing the karyotype evolution in key phylogenetic lineages. Chromosome Research, 2009, 17, 419-436.	1.0	45
46	Tracking genome organization in rodents by Zoo-FISH. Chromosome Research, 2008, 16, 261-274.	1.0	29
47	Multidirectional cross-species painting illuminates the history of karyotypic evolution in Perissodactyla. Chromosome Research, 2008, 16, 89-107.	1.0	68
48	Phylogenomics of the dog and fox family (Canidae, Carnivora) revealed by chromosome painting. Chromosome Research, 2008, 16, 129-143.	1.0	58
49	Chromosome painting shows that skunks (Mephitidae, Carnivora) have highly rearranged karyotypes. Chromosome Research, 2008, 16, 1215-1231.	1.0	16
50	The Ancestral Carnivore Karyotype (2n = 38) Lives Today in Ringtails. Journal of Heredity, 2008, 99, 241-253.	1.0	16
51	Karyotype evolution and phylogenetic relationships of hamsters (Cricetidae, Muroidea, Rodentia) inferred from chromosomal painting and banding comparison. Chromosome Research, 2007, 15, 283-97.	1.0	52
52	Chromosomal evolution of Arvicolinae (Cricetidae, Rodentia). I. The genome homology of tundra vole, field vole, mouse and golden hamster revealed by comparative chromosome painting. Chromosome Research, 2007, 15, 447-456.	1.0	49
53	Chromosomal evolution of Arvicolinae (Cricetidae, Rodentia). II. The genome homology of two mole voles (genus Ellobius), the field vole and golden hamster revealed by comparative chromosome painting. Chromosome Research, 2007, 15, 891-897.	1.0	57
54	Novel genes identified by manual annotation and microarray expression analysis in the pancreas. Genomics, 2006, 88, 752-761.	1.3	6

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55	Comparative genome maps of the pangolin, hedgehog, sloth, anteater and human revealed by cross-species chromosome painting: further insight into the ancestral karyotype and genome evolution of eutherian mammals. Chromosome Research, 2006, 14, 283-296.	1.0	58
56	Reciprocal chromosome painting between three laboratory rodent species. Mammalian Genome, 2006, 17, 1183-1192.	1.0	35
57	The proto-oncogene C-KIT maps to canid B-chromosomes. Chromosome Research, 2005, 13, 113-122.	1.0	72
58	Karyotypic conservatism in the suborder Feliformia (Order Carnivora). Cytogenetic and Genome Research, 2005, 108, 348-354.	0.6	31
59	Comparative chromosome painting defines the karyotypic relationships among the domestic dog, Chinese raccoon dog and Japanese raccoon dog. Chromosome Research, 2003, 11, 735-740.	1.0	38
60	Reciprocal chromosome painting among human, aardvark, and elephant (superorder Afrotheria) reveals the likely eutherian ancestral karyotype. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 1062-1066.	3.3	164
61	Assignment of the bovine attractin (ATRN) gene to chromosome 13q21â†'q22 by in situ hybridization. Cytogenetic and Genome Research, 2003, 103, 204K-204K.	0.6	2
62	Comparative molecular cytogenetic studies in the order Carnivora: mapping chromosomal rearrangements onto the phylogenetic tree. Cytogenetic and Genome Research, 2002, 96, 137-145.	0.6	64
63	Complex structure of B-chromosomes in two mammalian species: Apodemus peninsulae (Rodentia) and Nyctereutes procyonoides (Carnivora). Chromosome Research, 2002, 10, 109-116.	1.0	58
64	Comparative Chromosome Painting. Russian Journal of Genetics, 2002, 38, 869-876.	0.2	1
65	Karyotype relationships between distantly related marsupials from South America and Australia. Chromosome Research, 2001, 9, 301-308.	1.0	46
66	Phylogenetic implications of the 38 putative ancestral chromosome segments for four canid species. Cytogenetic and Genome Research, 2001, 92, 243-247.	0.6	81
67	Dog chromosome-specific paints reveal evolutionary inter- and intrachromosomal rearrangements in the American mink and human. Cytogenetic and Genome Research, 2000, 90, 275-278.	0.6	51
68	Comparative chromosome analysis in three Sorex species: S. raddei, S. minutus and S. caecutiens. Acta Theriologica, 2000, 45, 119-130.	1.1	15
69	Comparative Cytogenetics of Some Species of Crocidura (Insectivora) with 2n=40.. Cytologia, 1999, 64, 293-299.	0.2	4
70	Localization of the genes for major ribosomal RNA on chromosomes of the house musk shrew, Suncus murinus, at meiotic and mitotic cells by fluorescence in situ hybridization and silver staining.. Genes and Genetic Systems, 1997, 72, 215-218.	0.2	9