Pavel M Borodin

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/5610579/publications.pdf

Version: 2024-02-01

131	2,152	257450	315739
papers	citations	24 h-index	38 g-index

138	138	138	1675
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Behavior, adrenocortical activity, and brain monoamines in Norway rats selected for reduced aggressiveness towards man. Pharmacology Biochemistry and Behavior, 1989, 33, 85-91.	2.9	122
2	Predicting human height by Victorian and genomic methods. European Journal of Human Genetics, 2009, 17, 1070-1075.	2.8	108
3	Segregation analysis of idiopathic scoliosis: Demonstration of a major gene effect. American Journal of Medical Genetics Part A, 1999, 86, 389-394.	2.4	88
4	The list of the chromosome races of the common shrew Sorex araneus (updated 2002). Mammalia, 2003, 67, 169-178.	0.7	82
5	Recombination Map of the Common Shrew,Sorex araneus(Eulipotyphla, Mammalia). Genetics, 2008, 178, 621-632.	2.9	71
6	Inheritance of alternative states of the fused gene in mice. Journal of Heredity, 1981, 72, 107-112.	2.4	69
7	Germline-restricted chromosome (GRC) is widespread among songbirds. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 11845-11850.	7.1	68
8	CHROMOSOMAL REARRANGEMENTS DO NOT SEEM TO AFFECT THE GENE FLOW IN HYBRID ZONES BETWEEN KARYOTYPIC RACES OF THE COMMON SHREW (SOREX ARANEUS). Evolution; International Journal of Organic Evolution, 2012, 66, 882-889.	2.3	60
9	Sex Chromosome Synapsis and Recombination in Male Guppies. Zebrafish, 2015, 12, 174-180.	1.1	50
10	Comparative cytogenetics of hamsters of the genus Calomyscus. Cytogenetic and Genome Research, 2000, 88, 296-304.	1.1	44
11	General pattern of meiotic recombination in male dogs estimated by MLH1 and RAD51 immunolocalization. Chromosome Research, 2008, 16, 709-719.	2.2	42
12	B chromosomes of Korean field mouse Apodemus peninsulae (Rodentia, Murinae) analysed by microdissection and FISH. Cytogenetic and Genome Research, 2002, 96, 154-160.	1.1	41
13	Pattern of X-Y Chromosome Pairing in Microtine Rodents. Hereditas, 1995, 123, 17-23.	1.4	40
14	Title is missing!. Russian Journal of Genetics, 2001, 37, 351-357.	0.6	39
15	Linkage and association analyses of glaucoma related traits in a large pedigree from a Dutch genetically isolated population. Journal of Medical Genetics, 2011, 48, 802-809.	3.2	38
16	Natural hybridization between extremely divergent chromosomal races of the common shrew (Sorex araneus, Soricidae, Soricomorpha): hybrid zone in Siberia. Journal of Evolutionary Biology, 2011, 24, 1393-1402.	1.7	37
17	Chromosome races of the common shrew Sorex araneus in the Ural Mts: a link between Siberia and Scandinavia?. Acta Theriologica, 2000, 45, 19-26.	1.1	35
18	The X-autosome translocation in the common shrew (Sorex araneus L.): late replication in female somatic cells and pairing in male meiosis. Chromosoma, 1993, 102, 355-360.	2.2	33

#	Article	IF	Citations
19	Multiple independent evolutionary losses of XY pairing at meiosis in the grey voles. Chromosome Research, 2012, 20, 259-268.	2.2	32
20	Morphometric difference between the Novosibirsk and Tomsk chromosome races ofSorex araneus in a zone of parapatry. Acta Theriologica, 2002, 47, 381-387.	1.1	29
21	Meiotic drive favors Robertsonian metacentric chromosomes in the common shrew (<i>Sorex) Tj ETQq1 1 0.784314 rgBT /Overlock 1	1.1	27
22	Segregation analysis of Scheuermann disease in ninety families from Siberia. American Journal of Medical Genetics Part A, 2001, 100, 275-279.	2.4	26
23	Karyotypic Races of the Common Shrew (Sorex Araneus) with Exceptionally Large Ranges: The Novosibirsk and Tomsk Races of Siberia. Hereditas, 2004, 125, 109-115.	1.4	25
24	Phenotypic Variation across Chromosomal Hybrid Zones of the Common Shrew (Sorex araneus) Indicates Reduced Gene Flow. PLoS ONE, 2013, 8, e67455.	2.5	25
25	Altitudinal partitioning of two chromosome races of the common shrew (Sorex araneus) in West Siberia. Mammalia, 2003, 67, .	0.7	24
26	Reproductive isolation due to the genetic incompatibilities between Thrichomys pachyurus and two subspecies of Thrichomys apereoides (Rodentia, Echimyidae). Genome, 2006, 49, 159-167.	2.0	24
27	A- and B-chromosome pairing and recombination in male meiosis of the silver fox (Vulpes vulpes L.,) Tj ETQq1 1 0.784314 rgBT /Overl	2.2	24
28	Inheritance of litter size at birth in farmed arctic foxes (Alopex lagopus, Canidae, Carnivora). Heredity, 2007, 98, 99-105.	2.6	23
29	Germline-restricted chromosome (GRC) in the sand martin and the pale martin (Hirundinidae, Aves): synapsis, recombination and copy number variation. Scientific Reports, 2020, 10, 1058.	3.3	22
30	New chromosome races of the common shrew Sorex araneus from Eastern Siberia. Acta Theriologica, 2000, 45, 11-17.	1.1	22
31	Synapsis in single and double heterozygotes for partially overlapping inversions in chromosome 1 of the house mouse. Chromosoma, 1990, 99, 365-370.	2.2	20
32	Cytological basis of sterility in male and female hybrids between sibling species of grey voles Microtus arvalis and M. levis. Scientific Reports, 2016, 6, 36564.	3.3	20
33	Chromosome pairing in inter-racial hybrids of the house musk shrew (Suncus murinus, Insectivora,) Tj ETQq1 1 0.784314 rgBT /Overl	2.0	19
34	Synapsis and recombination in inversion heterozygotes. Biochemical Society Transactions, 2010, 38, 1676-1680.	3.4	18
35	Mutant allele frequencies in domestic cat populations of six Soviet cities. Journal of Heredity, 1978, 69, 169-174.	2.4	17
36	The origin of a double insertion of homogeneously staining regions in the house mouse (Mus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62 T	2.6	17

#	Article	IF	Citations
37	Pericentric inversion in natural populations of Oligoryzomys nigripes (Rodentia: Sigmodontinae). Genome, 2001, 44, 791-796.	2.0	17
38	Chromosome Synapsis and Recombination in Male-Sterile and Female-Fertile Interspecies Hybrids of the Dwarf Hamsters (Phodopus, Cricetidae). Genes, 2018, 9, 227.	2.4	17
39	Chiasma frequency in strains of mice selected for litter size and for high body weight. Theoretical and Applied Genetics, 1992, 84-84, 640-642.	3.6	16
40	Robertsonian metacentrics of the house musk shrew (Suncus murinus, Insectivora, Soricidae) lose the telomeric sequences in the centromeric area.. Genes and Genetic Systems, 2000, 75, 155-158.	0.7	16
41	Immunocytological Analysis of Meiotic Recombination in the Gray Goose (<b><i>Anser) Tj ETQq1 1 0.784314 rgBT /Overlock	1.1	16
42	Standard Karyotype of the House Musk Shrew, Suncus murinus (Insectivora, Soricidae).. Cytologia, 1996, 61, 197-208.	0.6	15
43	Comparative chromosome analysis in three Sorex species: S. raddei, S. minutus and S. caecutiens. Acta Theriologica, 2000, 45, 119-130.	1.1	15
44	Assignment of the gene for adenine phosphoribosyltransferase on the genetic map of mouse chromosome 8. Biochemical Genetics, 1987, 25, 563-568.	1.7	14
45	Synaptonemal complexes of the common shrew, Sorex araneus L., in spermatocyte spreads. Cytogenetic and Genome Research, 1991, 56, 61-62.	1.1	14
46	Sexual maturation and seasonal changes in plasma levels of sex steroids and fecundity of wild Norway rats selected for reduced aggressiveness toward humans. Physiology and Behavior, 1993, 53, 389-393.	2.1	14
47	Chromosomal segregation and fertility in Robertsonian chromosomal heterozygotes of the house musk shrew (Suncus murinus, Insectivora, Soricidae). Heredity, 1998, 81, 335-341.	2.6	14
48	Inheritance of litter size at birth in the house musk shrew (Suncus murinus, Insectivora, Soricidae). Genetical Research, 1998, 71, 65-72.	0.9	14
49	Immunofluorescent analysis of meiotic recombination in the domestic cat. Cell and Tissue Biology, 2007, 1, 503-507.	0.4	14
50	Immunocytological analysis of meiotic recombination in the American mink (Mustela vison). Animal Genetics, 2009, 40, 235-238.	1.7	14
51	Chromosome synapsis and recombination in simple and complex chromosomal heterozygotes of tuco-tuco (Ctenomys talarum: Rodentia: Ctenomyidae). Chromosome Research, 2014, 22, 351-363.	2.2	14
52	Positional control of chiasma distribution in the house mouse. Chiasma distribution in mice homozygous and heterozygous for an inversion in chromosome 1. Heredity, 1991, 66, 453-458.	2.6	13
53	Novosibirsk revisited 24 years on: chromosome polymorphism in the Novosibirsk population of the common shrew Sorex araneus L.. Heredity, 1997, 79, 172-177.	2.6	13
54	Immunocytological analysis of meiotic recombination in two anole lizards (Squamata, Dactyloidae). Comparative Cytogenetics, 2017, 11, 129-141.	0.8	13

#	Article	IF	Citations
55	Gene mapping in the common shrew (Sorex araneus; Insectivora) by shrew-rodent cell hybrids: chromosome localization of the loci for HPRT, TK, LDHA, MDH1, G6PD, PGD, and ADA. Mammalian Genome, 1995, 6, 784-787.	2.2	12
56	Robertsonian chromosomal variation in the house musk shrew (Suncus murinus, Insectivora:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 702	2.0	12
57	Recombination and synaptic adjustment in oocytes of mice heterozygous for a large paracentric inversion. Chromosome Research, 2013, 21, 37-48.	2.2	12
58	Whole-chromosome fusions in the karyotype evolution ofSceloporus(Iguania, Reptilia) are more frequent in sex chromosomes than autosomes. Philosophical Transactions of the Royal Society B: Biological Sciences, 2021, 376, 20200099.	4.0	12
59	Inheritance of male hybrid sterility in the house musk shrew (Suncus murinus, Insectivora, Soricidae). Genome, 1998, 41, 825-831.	2.0	11
60	Identification of all pachytene bivalents in the common shrew using DAPI-staining of synaptonemal complex spreads. Chromosome Research, 2006, 14, 673-679.	2.2	11
61	Pattern of X-Y chromosome pairing in the Taiwan vole, <i>Microtus kikuchii</i>. Genome, 2001, 44, 27-31.	2.0	11
62	Recent advances in understanding genetic variants associated with growth, carcass and meat productivity traits in sheep (<i>Ovis aries</i>): an update. Archives Animal Breeding, 2019, 62, 579-583.	1.4	11
63	Mendelian nightmares: the germline-restricted chromosome of songbirds. Chromosome Research, 2022, 30, 255-272.	2.2	11
64	Recombination in single and double heterozygotes for two partially overlapping inversions in chromosome 1 of the house mouse. Heredity, 1995, 75, 113-125.	2.6	10
65	Inheritance of litter size at birth in the Brazilian grass mouse (Akodon cursor, Sigmodontinae,) Tj ETQq1 1 0.784314 rgBT /Overlock 10	0.9	10
66	Karyotypes and recombination patterns of the Common Swift (Apus apus Linnaeus, 1758) and Eurasian Hobby (Falco subbuteo Linnaeus, 1758). Avian Research, 2018, 9, .	1.2	10
67	Male Meiotic Recombination in the Steppe Agama, Trapelus sanguinolentus (Agamidae, Iguania, Reptilia). Cytogenetic and Genome Research, 2019, 157, 107-114.	1.1	10
68	Heterochiasmy and Sexual Dimorphism: The Case of the Barn Swallow (Hirundo rustica, Hirundinidae,) Tj ETQq0 0 0 rgBT /Overlock 10 T	2.4	10
69	Chromosome Painting Does Not Support a Sex Chromosome Turnover in Lacerta agilis Linnaeus, 1758. Cytogenetic and Genome Research, 2020, 160, 134-140.	1.1	10
70	Chiasma distribution in the first bivalent of mice carrying a double insertion of homogeneously-staining regions in homo- and heterozygous states. Heredity, 1993, 70, 642-647.	2.6	9
71	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.	0.7	9
72	Pattern of Xâ€“Y chromosome pairing in the Japanese field vole, Microtus montebelli. Genome, 1997, 40, 829-833.	2.0	9

#	Article	IF	Citations
73	Heteromorphism of â€œHomomorphicâ€•Sex Chromosomes in Two Anole Species (Squamata, Dactyloidae) Revealed by Synaptonemal Complex Analysis. Cytogenetic and Genome Research, 2017, 151, 89-95.	1.1	9
74	Synaptic interrelationships between the segments of the heteromorphic bivalent in double heterozygotes for paracentric inversions in chromosome 1 of the house mouse. Chromosoma, 1992, 101, 374-379.	2.2	8
75	Speciation and Centromere Evolution. Science, 2001, 294, 2478-2480.	12.6	8
76	Meiosis and Fertility Associated with Chromosomal Heterozygosity. , 2019, , 217-270.		8
77	Standard DAPI karyotype of the common shrew Sorex araneus L. (Soricidae, Eulipotyphla). Russian Journal of Theriology, 2007, 6, 3-6.	0.4	8
78	Germline-Restricted Chromosome (GRC) in Female and Male Meiosis of the Great Tit (Parus major,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	2.3	8
79	Chromosome pairing and recombination in mice heterozygous for different translocations in chromosomes 16 and 17. Chromosoma, 1991, 101, 252-258.	2.2	7
80	Spatial organization of fibroblast and spermatocyte nuclei with different B-chromosome content in Korean field mouse, Apodemus peninsulae (Rodentia, Muridae). Genome, 2017, 60, 815-824.	2.0	7
81	Reproductive Isolation Between Taxonomically Controversial Forms of the Gray Voles (Microtus,) Tj ETQq1 1 0.784314 rgBT /Overlock 1 2021, 12, 653837.	2.3	7
82	Highly Conservative Pattern of Sex Chromosome Synapsis and Recombination in Neognathae Birds. Genes, 2021, 12, 1358.	2.4	7
83	Chromosome localization of the loci for PEPA, PEPB, PEPS, 1DH1, GSR, MPI, PGM1, NP, SOD1, and ME1 in the common shrew (Sorex araneus). Mammalian Genome, 1996, 7, 265-267.	2.2	6
84	Inheritance of White Head Spotting in Natural Populations of South American Water Rat (Nectomys) Tj ETQq0 0 0 rgBT /Overlock 10 Tf		6
85	X-Y Chromosome Synapsis and Recombination in 3 Vole Species of Asian Lineage of the Genus <i>Microtus</i> (Rodentia: Arvicolinae). Cytogenetic and Genome Research, 2011, 132, 129-133.	1.1	6
86	Microchromosome polymorphism in the sand lizard, Lacerta agilis Linnaeus, 1758 (Reptilia, Squamata). Comparative Cytogenetics, 2016, 10, 387-399.	0.8	6
87	Chromosomes and speciation in tuco-tuco (Ctenomys, Hystricognathi, Rodentia). Russian Journal of Genetics: Applied Research, 2017, 7, 350-357.	0.4	6
88	Multivariate Analysis Identifies Eight Novel Loci Associated with Meat Productivity Traits in Sheep. Genes, 2021, 12, 367.	2.4	6
89	AFLP diversity between the Novosibirsk and Tomsk chromosome races of the common shrew (Sorex) Tj ETQq1 1 0.784314 rgBT /Over	0.8	6
90	Chromosome Synapsis and Recombination in Male Hybrids between Two Chromosome Races of the Common Shrew (Sorex araneus L., Soricidae, Eulipotyphla). Genes, 2017, 8, 282.	2.4	5

#	Article	IF	Citations
91	Identification of sex chromosomes in Eremias velox (Lacertidae, Reptilia) using lampbrush chromosome analysis. Comparative Cytogenetics, 2019, 13, 17-28.	0.8	5
92	Amplified Fragments of an Autosome-Borne Gene Constitute a Significant Component of the W Sex Chromosome of Eremias velox (Reptilia, Lacertidae). Genes, 2021, 12, 779.	2.4	5
93	Chromosome location of sixteen genes in the common shrew, Sorexaraneus L. (Mammalia, Insectivora). Cytogenetic and Genome Research, 1997, 77, 201-204.	1.1	4
94	Chromosome synapsis and recombination in the hybrids between chromosome races of the common vole Microtus aravalis: â€œarvalisâ€•and â€œobscurusâ€• Doklady Biological Sciences, 2014, 456, 206-208.	0.6	4
95	Chromosome pairing in inter-racial hybrids of the house musk shrew (Suncus murinus,) Tj ETQq1 1 0.784314 rgBT /Overlock 10	2.0	4
96	Chromosomal and genic mechanisms of reproductive isolation: the case of Suncus murinus. Acta Theriologica, 2000, 45, 147-159.	1.1	4
97	Phenotype and gene frequencies in red fox populations of Russian America in 1803â€“1832. Journal of Heredity, 1981, 72, 343-346.	2.4	3
98	Unusual heteromorphic bivalents in the common vole (<i>Microtus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 462 Td (arvali</i>&	1.1	3
99	Radioactive response in primary mouse spermatocytes revealed by analysis of synaptonemal complexes. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 1994, 310, 151-156.	1.0	3
100	Current cytogenetic map of the common shrew, Sorex araneus L.: localization of 7 genes and 4 microsatellites. Mammalia, 2003, 67, .	0.7	3
101	Chromosome Localization of the Gene for Growth Hormone in the Common Shrew (Sorex Araneus). Hereditas, 2004, 125, 243-245.	1.4	3
102	Genetic Control of Chromosome Synapsis in Mice Heterozygous for a Paracentric Inversion. Russian Journal of Genetics, 2005, 41, 602-607.	0.6	3
103	Polymorphism of dental formula and segregation of its variants in a pedigree of Kerry Blue Terrier dogs. Russian Journal of Genetics, 2006, 42, 327-332.	0.6	3
104	Telomeric DNA allocation in chromosomes of common shrew (Sorex araneus, eulipotyphla). Cell and Tissue Biology, 2009, 3, 323-329.	0.4	3
105	Frequency of meiotic recombination in G and R chromosome bands of the common shrew (Sorex) Tj ETQq1 1 0.784314 rgBT /Overlock	0.6	3
106	Parallel occurrence of asynaptic sex chromosomes in gray voles (Microtus Schrank, 1798). Paleontological Journal, 2013, 47, 1035-1040.	0.5	3
107	High rate of meiotic recombination and its implications for intricate speciation patterns in the white wagtail (Motacilla alba). Biological Journal of the Linnean Society, 2018, , .	1.6	3
108	Inheritance of male hybrid sterility in the house musk shrew (Suncus murinus, Insectivora,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	2.0	3

#	Article	IF	Citations
109	Pericentric inversion in natural populations of Oligoryzomys nigripes (Rodentia:) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50	2.0	3
110	Comparative genome mapping in mammals: the shrew map. Acta Theriologica, 2000, 45, 131-141.	1.1	3
111	Negative heterosis for meiotic recombination rate inÂspermatocytes of the domestic chicken Gallus gallus. Vavilovskii Zhurnal Genetiki I Selektsii, 2021, 25, 661-668.	1.1	3
112	Interbreed variation in meiotic recombination rate and distribution in the domestic chicken <i>Gallus gallus</i>. Archives Animal Breeding, 2019, 62, 403-411.	1.4	3
113	A new Robertsonian translocation, 8/23, in cattle. Genetics Selection Evolution, 1994, 26, 1.	3.0	2
114	Comparative analysis of life-history traits in two species of C alomys (Rodentia: Sigmodontinae) in captivity / Analyse comparative des traits d'histoire de vie de deux espÃ¨ces de Calomys (Rodentia:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.7	2
115	Sinaptonemnyi kompleksâ€"indikator dinamiki meioza i izmenchivosti khromosom (Synaptonemal) Tj ETQq1 1 0.784314 rgBT /Overlock O.L. Kolomiets (Moscow: Tovarishchestvo Nauchnykh Izdanii KMK, 2007). Russian Journal of Genetics, 2010, 46, 633-635.	0.6	2
116	Germline-Restricted Chromosomes and Autosomal Variants Revealed by Pachytene Karyotyping of 17 Avian Species. Cytogenetic and Genome Research, 2022, 162, 148-160.	1.1	2
117	A case of spontaneous trisomy in the spermatocytes of Microtus arvalis. Mutation Research-Fundamental and Molecular Mechanisms of Mutagenesis, 1991, 262, 37-40.	1.1	1
118	Genetic modification of mammalian genome at chromosome level. Anais Da Academia Brasileira De Ciencias, 2000, 72, 389-398.	0.8	1
119	Homogeneously Staining Regions (HSR) in Chromosome 1 of the House Mouse: Synapsis and Recombination at Meiosis. Cytogenetic and Genome Research, 2021, 161, 14-22.	1.1	1
120	Chromosomal segregation and fertility in Robertsonian chromosomal heterozygotes of the house musk shrew (Suncus murinus, Insectivora, Soricidae). Heredity, 1998, 81, 335-341.	2.6	1
121	The GWAS-MAP	ovis platform for aggregation and analysis of genome-wide association study results in sheep. Vavilovskii Zhurnal Genetiki I Selektsii, 2022, 26, 378-384.	1.1	1
122	Dimitri Konstantinovitch Belyaev: 1917â€"1985. Journal of Heredity, 1986, 77, 370-370.	2.4	0
123	Analysis of Synaptonemal Complexes Behaviour in the Domestic Goat.. Cytologia, 1995, 60, 307-310.	0.6	0
124	Segregation analysis of animal pedigree data from inter-population crosses.. Genes and Genetic Systems, 1997, 72, 291-296.	0.7	0
125	Some pitfalls of segregation analysis of complex traits. American Journal of Medical Genetics Part A, 2002, 111, 228-229.	2.4	0
126	Chromosome Localization of the Gene for Ornithine Transcarbomylase in the Common Shrew (Sorex) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	1.4	0

#	Article	IF	Citations
127	Changes in litter size in Kerry Blue Terrier dogs with abnormal dentition. Russian Journal of Genetics, 2006, 42, 339-340.	0.6	0
128	PSX-14 Recent advances in understanding genetic variants associated with growth, carcass and meat productivity traits in sheep (Ovis aries): an update. Journal of Animal Science, 2019, 97, 461-461.	0.5	0
129	Chromosome synapsis, recombination and epigenetic modification in rams heterozygous for metacentric chromosome 3 of the domestic sheep Ovis aries and acrocentric homologs of the argali Ovis ammon. Vavilovskii Zhurnal Genetiki I Selektsii, 2019, 23, 355-361.	1.1	0
130	A new Robertsonian translocation, 8/23, in cattle. Genetics Selection Evolution, 1994, 26, 159-165.	3.0	0
131	Establishment of the Primary Avian Gonadal Somatic Cell Lines for Cytogenetic Studies. Animals, 2022, 12, 1724.	2.3	0