Boris A Malyarchuk

List of Publications by Year
in descending order

147	5,267	94433 37	98798 67
papers	citations	h-index	g-index

150	150	150	5533
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Genomic evidence for the Pleistocene and recent population history of Native Americans. Science, 2015, 349, aab3884.	12.6	449
2	Genomic analyses inform on migration events during the peopling of Eurasia. Nature, 2016, 538, 238-242.	27.8	360
3	A recent bottleneck of Y chromosome diversity coincides with a global change in culture. Genome Research, 2015, 25, 459-466.	5.5	348
4	The population history of northeastern Siberia since the Pleistocene. Nature, 2019, 570, 182-188.	27.8	259
5	Phylogeographic Analysis of Mitochondrial DNA in Northern Asian Populations. American Journal of Human Genetics, 2007, 81, 1025-1041.	6.2	183
6	Disuniting Uniformity: A Pied Cladistic Canvas of mtDNA Haplogroup H in Eurasia. Molecular Biology and Evolution, 2004, 21, 2012-2021.	8.9	170
7	The Genetic Legacy of the Expansion of Turkic-Speaking Nomads across Eurasia. PLoS Genetics, 2015, 11, e1005068.	3.5	149
8	Origin and Diffusion of mtDNA Haplogroup X. American Journal of Human Genetics, 2003, 73, 1178-1190.	6.2	148
9	Genome-Wide Analysis of Cold Adaptation in Indigenous Siberian Populations. PLoS ONE, 2014, 9, e98076.	2.5	128
10	A Selective Sweep on a Deleterious Mutation in CPT1A in Arctic Populations. American Journal of Human Genetics, 2014, 95, 584-589.	6.2	119
11	Diversity of Mitochondrial DNA Lineages in South Siberia. Annals of Human Genetics, 2003, 67, 391-411.	0.8	115
12	Mitochondrial DNA variability in Poles and Russians. Annals of Human Genetics, 2002, 66, 261-283.	0.8	111
13	Complete Mitochondrial Genome and Phylogeny of Pleistocene MammothMammuthus primigenius. PLoS Biology, 2006, 4, e73.	5.6	107
14	Origin and Post-Glacial Dispersal of Mitochondrial DNA Haplogroups C and D in Northern Asia. PLoS ONE, 2010, 5, e15214.	2.5	106
15	Complete Mitochondrial DNA Diversity in Iranians. PLoS ONE, 2013, 8, e80673.	2.5	93
16	The Peopling of Europe from the Mitochondrial Haplogroup U5 Perspective. PLoS ONE, 2010, 5, e10285.	2.5	89
17	Mitochondrial DNA Phylogeny in Eastern and Western Slavs. Molecular Biology and Evolution, 2008, 25, 1651-1658.	8.9	84
18	Mitochondrial DNA variability in Russians and Ukrainians: Implication to the origin of the Eastern Slavs. Annals of Human Genetics, 2001, 65, 63-78.	0.8	79

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19	Contrasting patterns of Y-chromosome variation in South Siberian populations from Baikal and Altai-Sayan regions. Human Genetics, 2006, 118, 591-604.	3.8	70
20	Mitochondrial DNA Variability in Bosnians and Slovenians. Annals of Human Genetics, 2003, 67, 412-425.	0.8	68
21	The Presence of Mitochondrial Haplogroup X in Altaians from South Siberia. American Journal of Human Genetics, 2001, 69, 237-241.	6.2	67
22	Analysis of phylogenetically reconstructed mutational spectra in human mitochondrial DNA control region. Human Genetics, 2002, 111, 46-53.	3.8	67
23	Differentiation of Mitochondrial DNA and Y Chromosomes in Russian Populations. Human Biology, 2004, 76, 877-900.	0.2	67
24	Selective sweep on human amylase genes postdates the split with Neanderthals. Scientific Reports, 2016, 6, 37198.	3.3	67
25	Y-chromosome haplogroup N dispersals from south Siberia to Europe. Journal of Human Genetics, 2007, 52, 763-770.	2.3	65
26	Mitochondrial DNA variability in Poles and Russians. Annals of Human Genetics, 2002, 66, 261-83.	0.8	63
27	The History of Slavs Inferred from Complete Mitochondrial Genome Sequences. PLoS ONE, 2013, 8, e54360.	2.5	62
28	Complex interactions of the Eastern and Western Slavic populations with other European groups as revealed by mitochondrial DNA analysis. Forensic Science International: Genetics, 2007, 1, 141-147.	3.1	60
29	Complete Mitochondrial DNA Analysis of Eastern Eurasian Haplogroups Rarely Found in Populations of Northern Asia and Eastern Europe. PLoS ONE, 2012, 7, e32179.	2.5	57
30	Ancient links between Siberians and Native Americans revealed by subtyping the Y chromosome haplogroup Q1a. Journal of Human Genetics, 2011, 56, 583-588.	2.3	56
31	Mitogenomic Diversity in Tatars from the Volga-Ural Region of Russia. Molecular Biology and Evolution, 2010, 27, 2220-2226.	8.9	47
32	Phylogeography of the Yâ€chromosome haplogroup C in northern Eurasia. Annals of Human Genetics, 2010, 74, 539-546.	0.8	45
33	Patterns of male-specific inter-population divergence in Europe, West Asia and North Africa. Annals of Human Genetics, 2000, 64, 395-412.	0.8	43
34	Mitochondrial DNA Variability in Slovaks, with Application to the Roma Origin. Annals of Human Genetics, 2008, 72, 228-240.	0.8	43
35	High levels of mitochondrial DNA heteroplasmy in single hair roots: Reanalysis and revision. Electrophoresis, 2003, 24, 1159-1165.	2.4	42
36	Western Eurasian ancestry in modern Siberians based on mitogenomic data. BMC Evolutionary Biology, 2014, 14, 217.	3.2	41

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37	The Y-chromosome C3* Star-Cluster Attributed to Genghis Khan's Descendants is Present at High Frequency in the Kerey Clan from Kazakhstan. Human Biology, 2012, 84, 79-89.	0.2	39
38	Complete mitochondrial genome database and standardized classification system for Canis lupus familiaris. Forensic Science International: Genetics, 2015, 19, 123-129.	3.1	39
39	Eight Millennia of Matrilineal Genetic Continuity in the South Caucasus. Current Biology, 2017, 27, 2023-2028.e7.	3.9	37
40	Mitochondrial DNA Diversity in the Polish Roma. Annals of Human Genetics, 2006, 70, 195-206.	0.8	34
41	Mutagenesis by Transient Misalignment in the Human Mitochondrial DNA Control Region. Annals of Human Genetics, 2004, 68, 324-339.	0.8	31
42	Phylogenetic relationships among Neoechinorhynchus species (Acanthocephala:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 547 Td (Neoechi 2014, 63, 100-107.	1.3	31
43	Mitochondrial DNA Variability in the Czech Population, with Application to the Ethnic History of Slavs. Human Biology, 2006, 78, 681-695.	0.2	29
44	Similarities and distinctions in Y chromosome gene pool of Western Slavs. American Journal of Physical Anthropology, 2010, 142, 540-548.	2.1	27
45	Mitochondrial haplogroup N1a phylogeography, with implication to the origin of European farmers. BMC Evolutionary Biology, 2010, 10, 304.	3.2	26
46	Genetic data from Y chromosome STR and SNP loci in Ukrainian population. Forensic Science International: Genetics, 2013, 7, 200-203.	3.1	25
47	Developing STR databases on structured populations: The native South Siberian population versus the Russian population. Forensic Science International: Genetics, 2009, 3, e111-e116.	3.1	22
48	Distribution of the male lineages of Genghis Khanâ€™s descendants in northern Eurasian populations. Russian Journal of Genetics, 2007, 43, 334-337.	0.6	21
49	Analysis of forensically used autosomal short tandem repeat markers in Polish and neighboring populations. Forensic Science International: Genetics, 2008, 2, 205-211.	3.1	21
50	Mitochondrial DNA Polymerase Î³ Mutations and Their Implications in mtDNA Alterations in Colorectal Cancer. Annals of Human Genetics, 2015, 79, 320-328.	0.8	21
51	Allelic and haplotypic frequencies at 11 Y-STR loci in Buryats from South-East Siberia. Forensic Science International, 2006, 164, 271-275.	2.2	20
52	Molecular instability of the mitochondrial haplogroup T sequences at nucleotide positions 16292 and 16296. Annals of Human Genetics, 1999, 63, 489-497.	0.8	19
53	Genetic variation of 15 STR loci (D3S1358, vWA, FGA, TH01, TPOX, CSF1PO, D5S818, D13S317, D7S820,) Tj ETQq1 1 0.784314 rgBT / Forensic Science International, 2005, 147, 97-100.	2.2	19
54	Heteroplasmic substitutions in the entire mitochondrial genomes of human colon cells detected by ultra-deep 454 sequencing. Forensic Science International: Genetics, 2015, 15, 16-20.	3.1	19

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55	A novel multiplex assay amplifying 13 Y-STRs characterized by rapid and moderate mutation rate. Forensic Science International: Genetics, 2015, 15, 49-55.	3.1	19
56	Whole mitochondrial genome diversity in two Hungarian populations. Molecular Genetics and Genomics, 2018, 293, 1255-1263.	2.1	19
57	Phylogeography and molecular adaptation of Siberian salamander Salamandrella keyserlingii based on mitochondrial DNA variation. Molecular Phylogenetics and Evolution, 2010, 56, 562-571.	2.7	18
58	Y-chromosome diversity in the Kalmyks at the ethnical and tribal levels. Journal of Human Genetics, 2013, 58, 804-811.	2.3	18
59	Colonization history of the sableMartes zibellina(Mammalia, Carnivora) on the marginal peninsula and islands of northeastern Eurasia. Journal of Mammalogy, 2015, 96, 172-184.	1.3	18
60	Phylogeny and genetic history of the Siberian salamander (Salamandrella keyserlingii, Dybowski, 1870) inferred from complete mitochondrial genomes. Molecular Phylogenetics and Evolution, 2013, 67, 348-357.	2.7	17
61	Simple and cost-effective 14-loci SNP assay designed for differentiation of European, East Asian and African samples. Forensic Science International: Genetics, 2015, 14, 42-49.	3.1	17
62	Mitogenomic diversity in Russians and Poles. Forensic Science International: Genetics, 2017, 30, 51-56.	3.1	17
63	Intraspecific structure of sable Martes zibellina L. Inferred from nucleotide variation of the mitochondrial DNA cytochrome b gene. Russian Journal of Genetics, 2010, 46, 64-68.	0.6	16
64	Phylogeography of sable (Martes zibellina L. 1758) in the southeast portion of its range based on mitochondrial DNA variation: highlighting the evolutionary history of the sable. Acta Theriologica, 2013, 58, 139-148.	1.1	16
65	A mitogenomic phylogeny and genetic history of sable (Martes zibellina). Gene, 2014, 550, 56-67.	2.2	16
66	Mitochondrial super-haplogroup U diversity in Serbians. Annals of Human Biology, 2017, 44, 408-418.	1.0	16
67	Mitogenomic differences between the normal and tumor cells of colorectal cancer patients. Human Mutation, 2018, 39, 691-701.	2.5	16
68	Title is missing!. Russian Journal of Genetics, 2001, 37, 1177-1184.	0.6	15
69	Mitochondrial DNA perspective of Serbian genetic diversity. American Journal of Physical Anthropology, 2015, 156, 449-465.	2.1	15
70	Reconstructing the phylogeny of African mitochondrial DNA lineages in Slavs. European Journal of Human Genetics, 2008, 16, 1091-1096.	2.8	14
71	Diversity of 15 human X chromosome microsatellite loci in Polish population. Forensic Science International: Genetics, 2011, 5, e71-e77.	3.1	14
72	East Eurasian ancestry in the middle of Europe: genetic footprints of Steppe nomads in the genomes of Belarusian Lipka Tatars. Scientific Reports, 2016, 6, 30197.	3.3	14

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73	Mitochondrial DNA Variation in Two Russian Populations from Novgorod Oblast. Russian Journal of Genetics, 2004, 40, 795-799.	0.6	12
74	On the Etruscan Mitochondrial DNA Contribution to Modern Humans. American Journal of Human Genetics, 2004, 75, 920-923.	6.2	12
75	Variation of 15 autosomal microsatellite DNA loci in the Russian population. Molecular Biology, 2007, 41, 1-4.	1.3	12
76	Low Variability of the POLG (CAG) n Repeat in North Eurasian Populations. Human Biology, 2005, 77, 355-365.	0.2	11
77	Differentiation of the Mitochondrial Subhaplogroup U4 in the Populations of Eastern Europe, Ural, and Western Siberia: Implication to the Genetic History of the Uralic Populations. Russian Journal of Genetics, 2004, 40, 1281-1287.	0.6	10
78	Mitochondrial Haplogroup U2d Phylogeny and Distribution. Human Biology, 2008, 80, 565-571.	0.2	10
79	The landscape of mitochondrial DNA variation in human colorectal cancer on the background of phylogenetic knowledge. Biochimica Et Biophysica Acta: Reviews on Cancer, 2012, 1825, 153-159.	7.4	10
80	Mitogenomic diversity and differentiation of the Buryats. Journal of Human Genetics, 2018, 63, 71-81.	2.3	10
81	FROM CONTEXT-DEPENDENCE OF MUTATIONS TO MOLECULAR MECHANISMS OF MUTAGENESIS. , 2004, , .		10
82	Optimization of the Y831C mutation detection in human DNA polymerase gamma by allelic discrimination assay.. Acta Biochimica Polonica, 2019, 53, 591-595.	0.5	10
83	Title is missing!. Russian Journal of Genetics, 2001, 37, 1185-1189.	0.6	9
84	Title is missing!. Russian Journal of Genetics, 2001, 37, 1437-1443.	0.6	9
85	The diversity of Y-chromosome lineages in indigenous population of South Siberia. Doklady Biological Sciences, 2006, 411, 466-470.	0.6	9
86	Genetic structure of Schrenck newt Salamandrella schrenckii populations by mitochondrial cytochrome b variation. Molecular Biology, 2009, 43, 47-54.	1.3	9
87	Complete mitochondrial genome of European pine marten, Martes martes. Mitochondrial DNA, 2014, 25, 372-373.	0.6	9
88	Insights into matrilineal genetic structure, differentiation and ancestry of Armenians based on complete mitogenome data. Molecular Genetics and Genomics, 2019, 294, 1547-1559.	2.1	9
89	Title is missing!. Russian Journal of Genetics, 2001, 37, 823-832.	0.6	8
90	Title is missing!. Russian Journal of Genetics, 2002, 38, 1196-1202.	0.6	8

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91	High frequency of somatic mutations in rat liver mitochondrial DNA. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2010, 685, 97-102.	1.0	8
92	Structure and Diversity of the Mitochondrial Gene Pools of South Siberians. Doklady Biological Sciences, 2003, 393, 557-561.	0.6	7
93	Analysis of Mutation Mechanisms in Human Mitochondrial DNA. Molecular Biology, 2005, 39, 761-768.	1.3	7
94	Mitochondrial genome variability in the wolverine (Gulo gulo). Russian Journal of Genetics, 2015, 51, 1113-1118.	0.6	7
95	Y chromosome haplotype diversity in Mongolic-speaking populations and gene conversion at the duplicated STR DYS385a,b in haplogroup C3-M407. Journal of Human Genetics, 2016, 61, 491-496.	2.3	7
96	Complete mitogenome data for the Serbian population: the contribution to high-quality forensic databases. International Journal of Legal Medicine, 2020, 134, 1581-1590.	2.2	7
97	Molecular instability of the mitochondrial haplogroup T sequences at nucleotide positions 16292 and 16296. Annals of Human Genetics, 1999, 63, 489-97.	0.8	7
98	Y-chromosome variation in Tajiks and Iranians. Annals of Human Biology, 2013, 40, 48-54.	1.0	6
99	Polymorphism of the Y-Chromosome Diallelic Loci in Ethnic Groups of the Altaiâ€“Sayan Region. Russian Journal of Genetics, 2002, 38, 309-314.	0.6	5
100	Title is missing!. Molecular Biology, 2002, 36, 322-326.	1.3	5
101	On the origin of Mongoloid component in the mitochondrial gene pool of Slavs. Russian Journal of Genetics, 2008, 44, 344-349.	0.6	5
102	Adaptive intraspecific divergence: An example using the animal cytochrome b gene. Russian Journal of Genetics, 2011, 47, 979-986.	0.6	5
103	On the Y-chromosome haplogroup C3c classification. Journal of Human Genetics, 2012, 57, 685-686.	2.3	5
104	Improving the reconstructed sapiens reference sequence of mitochondrial DNA. Forensic Science International: Genetics, 2013, 7, e74-e75.	3.1	5
105	Long-term gene-environment interactions and genetics of metabolic disorders in aboriginal populations of Northeast Asia. Ecological Genetics, 2018, 16, 30-35.	0.5	5
106	Mitochondrial DNA Polymorphism in Populations of the Caspian Region and Southeastern Europe. Russian Journal of Genetics, 2002, 38, 434-438.	0.6	4
107	Title is missing!. Russian Journal of Genetics, 2002, 38, 971-976.	0.6	4
108	Restriction Polymorphism of Mitochondrial DNA in Koreans and Mongolians. Russian Journal of Genetics, 2004, 40, 1292-1299.	0.6	4

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109	The variation of 15 autosomal microsatellite DNA loci in five indigenous populations of South Siberia. Molecular Biology, 2007, 41, 531-538.	1.3	4
110	Gene pool structure of Russian populations from the European part of Russia inferred from the data on Y chromosome haplogroups distribution. Russian Journal of Genetics, 2008, 44, 187-192.	0.6	4
111	Adaptive evolution signals in mitochondrial genes of Europeans. Biochemistry (Moscow), 2011, 76, 702-706.	1.5	4
112	ÂMolecular evolution and adaptation of the mitochondrial cytochrome b gene in the subgenus Martes. Genetics and Molecular Research, 2013, 12, 3944-3954.	0.2	4
113	Phylogenetic relationships among Asiatic salamanders of the genus Salamandrella based on variability of nuclear genes. Russian Journal of Genetics, 2015, 51, 91-97.	0.6	4
114	Structure and Forming of Mitochondrial Gene Pool of Russian Population of Eastern Europe. Russian Journal of Genetics, 2019, 55, 622-629.	0.6	4
115	Response to Wyckelsma etÂal.: Loss of Î±-actinin-3 during human evolution provides superior cold resilience and muscle heat generation. American Journal of Human Genetics, 2022, 109, 967-972.	6.2	4
116	Title is missing!. Russian Journal of Genetics, 2002, 38, 1098-1103.	0.6	3
117	Mitochondrial DNA Variation in Russian Populations of Stavropol Krai, Orel and Saratov Oblasts. Russian Journal of Genetics, 2002, 38, 1298-1303.	0.6	3
118	On the origin of Y-chromosome haplogroup N1b. European Journal of Human Genetics, 2009, 17, 1540-1541.	2.8	3
119	Analysis of mitochondrial DNA somatic mutations in OXYS and Wistar strain rats. Biochemistry (Moscow), 2009, 74, 430-437.	1.5	3
120	Centers of genetic diversity and origin of newts of the genus Salamandrella (Salamandrella) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 307 T 2010, 435, 448-452.	0.6	3
121	Adaptive evolution of the Homo mitochondrial genome. Molecular Biology, 2011, 45, 780-784.	1.3	3
122	Population structure of Volga Tatars inferred from the mitochondrial DNA diversity data. Russian Journal of Genetics, 2011, 47, 340-346.	0.6	3
123	Selective processes and adaptive evolution of the cytochrome b gene in salamanders of the genus Salamandrella. Russian Journal of Genetics, 2012, 48, 605-610.	0.6	3
124	Episodes of adaptive evolution of mitochondrial genome in asiatic salamanders (Amphibia, Caudata,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	0.6	3
125	The frequency of inactive sucrase-isomaltase variant in indigenous populations of Northeast Asia. Russian Journal of Genetics, 2017, 53, 1052-1054.	0.6	3
126	The role of nucleotide context in the induction of mutations in human mitochondrial DNA genes. Russian Journal of Genetics, 2005, 41, 301-305.	0.6	2

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127	Cold spots of human mitochondrial DNA hypervariable segment 1. Molecular Biology, 2008, 42, 399-402.	1.3	2
128	Gene conversion in the mitochondrial genome on interspecific hybridization in voles of the Clethrionomys genus. Biochemistry (Moscow), 2012, 77, 518-523.	1.5	2
129	Topological conflicts in phylogenetic analysis of different regions of the sable (Martes zibellina L.) mitochondrial genome. Russian Journal of Genetics, 2015, 51, 783-790.	0.6	2
130	The macrohaplogroup U structure in Russians. Russian Journal of Genetics, 2017, 53, 498-503.	0.6	2
131	High Level of Interspecific Divergence in the Salamandrella Genus Based on Variability of the RAG2 Gene. Russian Journal of Genetics, 2018, 54, 832-837.	0.6	2
132	R577X polymorphism of alpha-actinin-3 in human populations of North-Eastern Asia. Ecological Genetics, 2017, 15, 50.	0.5	2
133	Mitogenomics of modern Mongolic-speaking populations. Molecular Genetics and Genomics, 2021, , 1.	2.1	2
134	Title is missing!. Russian Journal of Genetics, 2001, 37, 1329-1331.	0.6	1
135	Peculiarities of phosphoglycerate kinase-1 pseudogene evolution in Schrenck salamander (Salamandrella schrenckii Strauch 1870). Russian Journal of Genetics, 2013, 49, 722-729.	0.6	1
136	Mitochondrial DNA polymorphisms shared between modern humans and neanderthals: Adaptive convergence or evidence for interspecific hybridization?. Russian Journal of Genetics, 2013, 49, 975-978.	0.6	1
137	Mutational process in protein-coding genes of human mitochondrial genome in context of evolution of Homo genus. Molecular Biology, 2013, 47, 807-813.	1.3	1
138	Polymorphism of the genes encoding for the carnitine acyltransferases in native populations of Siberia. Ecological Genetics, 2017, 15, 13-18.	0.5	1
139	Polymorphism of gene GC, encoding vitamin D binding protein, in aboriginal populations of Siberia. Ecological Genetics, 0, , .	0.5	1
140	Similarity of Mutation Spectra of the Mitochondrial DNA Hypervariable Segment 1 in Homo and Pan Species. Molecular Biology, 2004, 38, 370-375.	1.3	0
141	Comparison of the Mutation Spectrum of Hypervariable Segment 1 for Phylogeographical Groups of Human Mitochondrial DNA. Molecular Biology, 2004, 38, 503-508.	1.3	0
142	Different instability of the CAG microsatellite in two haplotype groups of human mitochondrial DNA polymerase gamma. Molecular Biology, 2009, 43, 573-577.	1.3	0
143	Polymorphism of Y-chromosomal microsatellites in Russian population from Southern Federal district of the Russian Federation. Russian Journal of Genetics, 2009, 45, 118-122.	0.6	0
144	Polymorphism of pigmentation genes (OCA2 and ASIP) in some populations of Russia. Russian Journal of Genetics, 2009, 45, 351-355.	0.6	0

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145	Polymorphism of 5â€²-promotor region of mitochondrial Î³-DNA-polymerase Gene in human populations. Molecular Biology, 2011, 45, 852-853.	1.3	0
146	Sources of the mitochondrial gene pool of Russians by the results of analysis of modern and paleogenomic data. Vavilovskii Zhurnal Genetiki I Selektsii, 2019, 23, 588-593.	1.1	0
147	Mitogenomic diversity in Czechs and Slovaks. Forensic Science International: Genetics, 2022, 59, 102714.	3.1	0