Yurii B Yurov

List of Publications by Year
in descending order

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121 papers	3,959 citations	109321 35 h-index	138484 58 g-index
124 all docs	124 docs citations	124 times ranked	1964 citing authors

#	Article	IF	Citations
1	Aneuploidy and Confined Chromosomal Mosaicism in the Developing Human Brain. PLoS ONE, 2007, 2, e558.	2.5	197
2	Aneuploidy in the normal, Alzheimer's disease and ataxia-telangiectasia brain: Differential expression and pathological meaning. Neurobiology of Disease, 2009, 34, 212-220.	4.4	195
3	Alpha-satellite DNA of primates: old and new families. Chromosoma, 2001, 110, 253-266.	2.2	161
4	Chromosomal mosaicism goes global. Molecular Cytogenetics, 2008, 1, 26.	0.9	139
5	The Variation of Aneuploidy Frequency in the Developing and Adult Human Brain Revealed by an Interphase FISH Study. Journal of Histochemistry and Cytochemistry, 2005, 53, 385-390.	2.5	134
6	The phylogeny of human chromosome specific alpha satellites. Chromosoma, 1988, 96, 443-453.	2.2	123
7	Unexplained autism is frequently associated with low-level mosaic aneuploidy. Journal of Medical Genetics, 2007, 44, 521-525.	3.2	117
8	Increased chromosome instability dramatically disrupts neural genome integrity and mediates cerebellar degeneration in the ataxia-telangiectasia brain. Human Molecular Genetics, 2009, 18, 2656-2669.	2.9	115
9	Human interphase chromosomes: a review of available molecular cytogenetic technologies. Molecular Cytogenetics, 2010, 3, 1.	0.9	105
10	Chromosomal Variation in Mammalian Neuronal Cells: Known Facts and Attractive Hypotheses. International Review of Cytology, 2006, 249, 143-191.	6.2	104
11	The DNA Replication Stress Hypothesis of Alzheimerâ€™s Disease. Scientific World Journal, The, 2011, 11, 2602-2612.	2.1	93
12	Evidence for High Frequency of Chromosomal Mosaicism in Spontaneous Abortions Revealed by Interphase FISH Analysis. Journal of Histochemistry and Cytochemistry, 2005, 53, 375-380.	2.5	89
13	X chromosome aneuploidy in the Alzheimerâ€™s disease brain. Molecular Cytogenetics, 2014, 7, 20.	0.9	89
14	Multicolor fluorescent in situ hybridization on post-mortem brain in schizophrenia as an approach for identification of low-level chromosomal aneuploidy in neuropsychiatric diseases. Brain and Development, 2001, 23, S186-S190.	1.1	84
15	The schizophrenia brain exhibits low-level aneuploidy involving chromosome 1. Schizophrenia Research, 2008, 98, 139-147.	2.0	80
16	Visualization of interphase chromosomes in postmitotic cells of the human brain by multicolour banding (MCB). Chromosome Research, 2006, 14, 223-229.	2.2	79
17	High resolution multicolor fluorescence in situ hybridization using cyanine and fluorescein dyes: Rapid chromosome identification by directly fluorescently labeled alphoid DNA probes. Human Genetics, 1996, 97, 390-398.	3.8	73
18	Single Cell Genomics of the Brain: Focus on Neuronal Diversity and Neuropsychiatric Diseases. Current Genomics, 2012, 13, 477-488.	1.6	71

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19	Chromosome-specific alpha satellites: Two distinct families on human chromosome 18. Genomics, 1991, 11, 15-23.	2.9	64
20	An Approach for Quantitative Assessment of Fluorescence In Situ Hybridization (FISH) Signals for Applied Human Molecular Cytogenetics. Journal of Histochemistry and Cytochemistry, 2005, 53, 401-408.	2.5	62
21	GIN'n'CIN hypothesis of brain aging: deciphering the role of somatic genetic instabilities and neural aneuploidy during ontogeny. Molecular Cytogenetics, 2009, 2, 23.	0.9	62
22	Interphase chromosome-specific multicolor banding (ICS-MCB): A new tool for analysis of interphase chromosomes in their integrity. New Biotechnology, 2007, 24, 415-417.	2.7	59
23	Genetic and Physical Analyses of the Centromeric and Pericentromeric Regions of Human Chromosome 5: Recombination across 5cen. Genomics, 1999, 56, 274-287.	2.9	58
24	The Evolutionary Origin of Man Can Be Traced in the Layers of Defunct Ancestral Alpha Satellites Flanking the Active Centromeres of Human Chromosomes. PLoS Genetics, 2009, 5, e1000641.	3.5	56
25	Somatic Cell Genomics of Brain Disorders: A New Opportunity to Clarify Genetic-Environmental Interactions. Cytogenetic and Genome Research, 2013, 139, 181-188.	1.1	55
26	Application of cloned satellite DNA sequences to molecular-cytogenetic analysis of constitutive heterochromatin heteromorphisms in man. Human Genetics, 1987, 76, 157-164.	3.8	52
27	Intercellular Genomic (Chromosomal) Variations Resulting in Somatic Mosaicism: Mechanisms and Consequences. Current Genomics, 2006, 7, 435-446.	1.6	52
28	Molecular karyotyping by array CGH in a Russian cohort of children with intellectual disability, autism, epilepsy and congenital anomalies. Molecular Cytogenetics, 2012, 5, 46.	0.9	51
29	Efficient identification of marker chromosomes in 27 patients by stepwise hybridization with alpha-satellite DNA probes. Human Genetics, 1993, 91, 131-40.	3.8	49
30	Trisomy 21 Mosaicism: We May All Have a Touch of Down Syndrome. Cytogenetic and Genome Research, 2013, 139, 189-192.	1.1	42
31	Genomic Landscape of the Alzheimerâ€™s Disease Brain: Chromosome Instability â€“ Aneuploidy, but Not Tetraploidy â€“ Mediates Neurodegeneration. Neurodegenerative Diseases, 2011, 8, 35-37.	1.4	41
32	The units of DNA replication in the mammalian chromosomes: Evidence for a large size of replication units. Chromosoma, 1977, 60, 253-267.	2.2	40
33	Cytogenetic and molecular-cytogenetic studies of Rett syndrome (RTT): a retrospective analysis of a Russian cohort of RTT patients (the investigation of 57 girls and three boys). Brain and Development, 2001, 23, S196-S201.	1.1	39
34	Annotation of suprachromosomal families reveals uncommon types of alpha satellite organization in pericentromeric regions of hg38 human genome assembly. Genomics Data, 2015, 5, 139-146.	1.3	39
35	In silico molecular cytogenetics: a bioinformatic approach to prioritization of candidate genes and copy number variations for basic and clinical genome research. Molecular Cytogenetics, 2014, 7, 98.	0.9	38
36	Ontogenetic and Pathogenetic Views on Somatic Chromosomal Mosaicism. Genes, 2019, 10, 379.	2.4	38

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37	Replication of chromosomal DNA in diploid Drosophila melanogaster cells cultured in vitro. Chromosoma, 1977, 59, 259-272.	2.2	35
38	Prenatal diagnosis of trisomy 21 using interphase fluorescence in situ hybridization of postâ€replicated cells with siteâ€specific cosmid and cosmid contig probes. Prenatal Diagnosis, 1995, 15, 237-248.	2.3	35
39	Variability in the heterochromatin regions of the chromosomes and chromosomal anomalies in children with autism: Identification of genetic markers of autistic spectrum disorders. Neuroscience and Behavioral Physiology, 2007, 37, 553-558.	0.4	35
40	Chromosome Instability in the Neurodegenerating Brain. Frontiers in Genetics, 2019, 10, 892.	2.3	31
41	Pathway-based classification of genetic diseases. Molecular Cytogenetics, 2019, 12, 4.	0.9	30
42	SINE and LINE within human centromeres. Journal of Molecular Evolution, 1996, 42, 37-43.	1.8	28
43	Cytogenetic, Molecular-Cytogenetic, and Clinical-Genealogical Studies of the Mothers of Children with Autism: A Search for Familial Genetic Markers for Autistic Disorders. Neuroscience and Behavioral Physiology, 2010, 40, 745-756.	0.4	28
44	3p22.1p21.31 microdeletion identifies CCK as Asperger syndrome candidate gene and shows the way for therapeutic strategies in chromosome imbalances. Molecular Cytogenetics, 2015, 8, 82.	0.9	27
45	Unequal cross-over is involved in human alpha satellite DNA rearrangements on a border of the satellite domain. FEBS Letters, 1998, 441, 451-457.	2.8	26
46	Brain Tissue Preparations for Chromosomal PRINS Labeling. , 2006, 334, 123-132.		25
47	Xq28 (MECP2) microdeletions are common in mutation-negative females with Rett syndrome and cause mild subtypes of the disease. Molecular Cytogenetics, 2013, 6, 53.	0.9	24
48	Mosaic Brain Aneuploidy in Mental Illnesses: An Association of Low-level post-zygotic Aneuploidy with Schizophrenia and Comorbid Psychiatric Disorders. Current Genomics, 2018, 19, 163-172.	1.6	24
49	Genomic organization, sequence and polymorphism of the human chromosome 4-specific a-satellite DNA. Gene, 1994, 140, 211-217.	2.2	23
50	Dynamic mosaicism manifesting as loss, gain and rearrangement of an isodicentric Y chromosome in a male child with growth retardation and abnormal external genitalia. Cytogenetic and Genome Research, 2008, 121, 302-306.	1.1	23
51	Mosaic X chromosome aneuploidy can help to explain the male-to-female ratio in autism. Medical Hypotheses, 2008, 70, 456.	1.5	23
52	The variome concept: focus on CNVariome. Molecular Cytogenetics, 2019, 12, 52.	0.9	23
53	Chromosome Instability, Aging and Brain Diseases. Cells, 2021, 10, 1256.	4.1	23
54	Long contiguous stretches of homozygosity spanning shortly the imprinted loci are associated with intellectual disability, autism and/or epilepsy. Molecular Cytogenetics, 2015, 8, 77.	0.9	22

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55	5HTR2A gene polymorphism and personality traits in patients with major psychoses. European Psychiatry, 2002, 17, 24-28.	0.2	21
56	Recent Patents on Molecular Cytogenetics. Recent Patents on DNA & Gene Sequences, 2008, 2, 6-15.	0.7	21
57	Genomic Copy Number Variation Affecting Genes Involved in the Cell Cycle Pathway: Implications for Somatic Mosaicism. International Journal of Genomics, 2015, 2015, 1-7.	1.6	20
58	FISH analysis of replication and transcription of chromosome X loci: new approach for genetic analysis of Rett syndrome. Brain and Development, 2001, 23, S191-S195.	1.1	19
59	Interspersed repeats are found predominantly in the â€œoldâ€•Î± satellite families. Genomics, 2003, 82, 619-627.	2.9	19
60	Dynamic nature of somatic chromosomal mosaicism, genetic-environmental interactions and therapeutic opportunities in disease and aging. Molecular Cytogenetics, 2020, 13, 16.	0.9	19
61	Rate of DNA replication fork movement within a single mammalian cell. Journal of Molecular Biology, 1980, 136, 339-342.	4.2	17
62	The Cytogenomic â€œTheory of Everythingâ€• Chromohelkosis May Underlie Chromosomal Instability and Mosaicism in Disease and Aging. International Journal of Molecular Sciences, 2020, 21, 8328.	4.1	17
63	Replication of chromosomal DNA in cultured abnormal human cells. Human Genetics, 1978, 43, 47-52.	3.8	16
64	Partial monosomy 7q34-qter and 21pter-q22.13 due to cryptic unbalanced translocation t(7;21) but not monosomy of the whole chromosome 21: a case report plus review of the literature. Molecular Cytogenetics, 2008, 1, 13.	0.9	16
65	Neurological, genetic and epigenetic features of Rett syndrome. Journal of Pediatric Neurology, 2015, 02, 179-190.	0.2	16
66	Neurodegeneration mediated by chromosome instability suggests changes in strategy for therapy development in ataxia-telangiectasia. Medical Hypotheses, 2009, 73, 1075-1076.	1.5	15
67	Neurogenomic Pathway of Autism Spectrum Disorders: Linking Germline and Somatic Mutations to Genetic-Environmental Interactions. Current Bioinformatics, 2017, 12, 19-26.	1.5	15
68	Developmental neural chromosome instability as a possible cause of childhood brain cancers. Medical Hypotheses, 2009, 72, 615-616.	1.5	14
69	Behavioral Variability and Somatic Mosaicism: A Cytogenomic Hypothesis. Current Genomics, 2018, 19, 158-162.	1.6	14
70	Interphase FISH: Detection of Intercellular Genomic Variations and Somatic Chromosomal Mosaicism. , 2009, , 301-311.		13
71	Identification of candidate genes of autism on the basis of molecular cytogenetic and in silico studies of the genome organization of chromosomal regions involved in unbalanced rearrangements. Russian Journal of Genetics, 2010, 46, 1190-1193.	0.6	12
72	Chromosomal mosaicism in spontaneous abortions: Analysis of 650 cases. Russian Journal of Genetics, 2010, 46, 1197-1200.	0.6	12

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73	Human Molecular Neurocytogenetics. Current Genetic Medicine Reports, 2018, 6, 155-164.	1.9	12
74	Network-Based Classification of Molecular Cytogenetic Data. Current Bioinformatics, 2017, 12, 27-33.	1.5	12
75	The rate of fork movement during DNA replication in mammalian cells. Chromosoma, 1979, 74, 347-353.	2.2	11
76	A new open access journal for a rapidly evolving biomedical field: introducing Molecular Cytogenetics. Molecular Cytogenetics, 2008, 1, 1.	0.9	11
77	FISH-Based Assays for Detecting Genomic (Chromosomal) Mosaicism in Human Brain Cells. Neuromethods, 2017, , 27-41.	0.3	11
78	Alphoid DNA from different chromosomes forms de novo minichromosomes with high efficiency. Chromosome Research, 2005, 13, 411-422.	2.2	10
79	Ataxia telangiectasia paradox can be explained by chromosome instability at the subtissue level. Medical Hypotheses, 2007, 68, 716.	1.5	10
80	4q21.2q21.3 Duplication: Molecular and Neuropsychological Aspects. Current Genomics, 2018, 19, 173-178.	1.6	10
81	Molecular-cytogenetic investigation of skewed chromosome X inactivation in Rett syndrome. Brain and Development, 2001, 23, S214-S217.	1.1	9
82	Instability of chromosomes in human nerve cells (Normal and with Neuromental Diseases). Russian Journal of Genetics, 2010, 46, 1194-1196.	0.6	8
83	An Interstitial Deletion at 10q26.2q26.3. Case Reports in Genetics, 2014, 2014, 1-3.	0.2	8
84	Laundering CNV data for candidate process prioritization in brain disorders. Molecular Cytogenetics, 2019, 12, 54.	0.9	8
85	Do clusters of replication units in the mammalian cells exist?. Experimental Cell Research, 1979, 123, 369-374.	2.6	7
86	5p13.3p13.2 duplication associated with developmental delay, congenital malformations and chromosome instability manifested as low-level aneuploidy. SpringerPlus, 2015, 4, 616.	1.2	7
87	Turnerâ€™s syndrome mosaicism in girls with neurodevelopmental disorders: a cohort study and hypothesis. Molecular Cytogenetics, 2021, 14, 9.	0.9	7
88	Diagnosis of aneuploidy by in situ hybridization: Analysis of interphase nuclei. Bulletin of Experimental Biology and Medicine, 1991, 112, 1480-1483.	0.8	6
89	In situ hybridization of cloned repeating DNA sequences and differential staining of human chromosomes. Bulletin of Experimental Biology and Medicine, 1984, 97, 643-647.	0.8	5
90	Maternal smoking as a cause of mosaic aneuploidy in spontaneous abortions. Medical Hypotheses, 2008, 71, 607.	1.5	5

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91	An Interstitial 20q11.21 Microdeletion Causing Mild Intellectual Disability and Facial Dysmorphisms. Case Reports in Genetics, 2013, 2013, 1-5.	0.2	5
92	Interphase Chromosomes of the Human Brain: The Biological and Clinical Meaning of Neural Aneuploidy. , 2013, , 53-83.		5
93	FISHing for Unstable Cellular Genomes in the Human Brain. OBM Genetics, 2019, 3, 1-1.	0.4	5
94	Klinefelter syndrome mosaicism in boys with neurodevelopmental disorders: a cohort study and an extension of the hypothesis. Molecular Cytogenetics, 2022, 15, 8.	0.9	5
95	High resolution multicolor fluorescence in situ hybridization using cyanine and fluorescein dyes: rapid chromosome identification by directly fluorescently labeled alphoid DNA probes. Human Genetics, 1996, 97, 390-398.	3.8	5
96	VIII World Rett Syndrome Congress & Symposium of rare diseases, Kazan, Russia. Molecular Cytogenetics, 2018, 11, 61.	0.9	4
97	Interphase Chromosome-Specific Multicolor Banding. , 2013, , 161-169.		4
98	FISH-Based Analysis of Mosaic Aneuploidy and Chromosome Instability for Investigating Molecular and Cellular Mechanisms of Disease. OBM Genetics, 2019, 3, .	0.4	4
99	Technological Solutions in Human Interphase Cytogenetics. , 2013, , 179-203.		4
100	First case of del(1)(p36.2p33) in a fetus delivered stillborn. Prenatal Diagnosis, 2006, 26, 1092-1093.	2.3	3
101	Interphase FISH for Detection of Chromosomal Mosaicism. Springer Protocols, 2017, , 361-372.	0.3	3
102	Editorial: Molecular Cyto(post)genomics. Current Genomics, 2018, 19, 157-157.	1.6	3
103	Systems Cytogenomics: Are We Ready Yet?. Current Genomics, 2021, 22, 75-78.	1.6	3
104	Chromosome-Centric Look at the Genome. , 2020, , 157-170.		3
105	Editorial: [Somatic Genome Variations: First Steps towards a Deeper Understanding of an Underappreciated Source of Biodiversity and Disease (Guest Editors: Y.B. Yurov and I.Y. Iourov)]. Current Genomics, 2010, 11, 377-378.	1.6	2
106	Methods of molecular cytogenetics for studying interphase chromosomes in human brain cells. Russian Journal of Genetics, 2010, 46, 1039-1041.	0.6	2
107	Molecular Cytogenetics: the first impact factor (2.36). Molecular Cytogenetics, 2013, 6, 28.	0.9	2
108	Title is missing!. Russian Journal of Genetics, 2001, 37, 436-439.	0.6	1

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109	Reviewer acknowledgement 2013. Molecular Cytogenetics, 2013, 6, 9.	0.9	1
110	In memoriam of Anna D Polityko (17.12.1959 â€" 20.04.2013). Molecular Cytogenetics, 2014, 7, 2.	0.9	1
111	DNA replication in amniotic fluid cells in culture. Bulletin of Experimental Biology and Medicine, 1981, 92, 1260-1263.	0.8	0
112	Introduction to Interphase Molecular Cytogenetics. , 2013, , 1-8.		0
113	Ataxia-telangiectasia paradoxes: spotlight on post-zygotic chromosome instability in the brain and its contribution to neurodegeneration pathways. Molecular Neurodegeneration, 2013, 8, P51.	10.8	0
114	Aneuploidy-driven non-heritable genomic variations demonstrate area-specific distribution in the Alzheimerâ€™s disease brain. Molecular Neurodegeneration, 2013, 8, .	10.8	0
115	Reviewer acknowledgement 2014. Molecular Cytogenetics, 2014, 7, 11.	0.9	0
116	Reviewer acknowledgement 2015. Molecular Cytogenetics, 2015, 8, .	0.9	0
117	Reviewer acknowledgement 2016. Molecular Cytogenetics, 2016, 9, .	0.9	0
118	Cytogenomic landscape of the human brain. , 2021, , 327-348.		0
119	Chromosome 18p deletion syndrome (18p-) in children: the value of cytogenetic and molecular cytogenetic diagnosis. Research Results in Biomedicine, 2021, 7, 257-271.	0.5	0
120	Human Interphase Cytogenomics. , 2020, , 1-10.		0
121	Interphase Chromosomes of the Human Brain. , 2020, , 67-85.		0