Yurii B Yurov

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/6822235/publications.pdf

Version: 2024-02-01

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	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
2	Cytogenomic landscape of the human brain. , 2021, , 327-348.		0
3	Turnerâ€™s syndrome mosaicism in girls with neurodevelopmental disorders: a cohort study and hypothesis. Molecular Cytogenetics, 2021, 14, 9.	0.9	7
4	Chromosome Instability, Aging and Brain Diseases. Cells, 2021, 10, 1256.	4.1	23
5	Systems Cytogenomics: Are We Ready Yet?. Current Genomics, 2021, 22, 75-78.	1.6	3
6	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
7	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
8	Dynamic nature of somatic chromosomal mosaicism, genetic-environmental interactions and therapeutic opportunities in disease and aging. Molecular Cytogenetics, 2020, 13, 16.	0.9	19
9	Chromosome-Centric Look at the Genome. , 2020, , 157-170.		3
10	Human Interphase Cytogenomics. , 2020, , 1-10.		0
11	Interphase Chromosomes of the Human Brain. , 2020, , 67-85.		0
12	Chromosome Instability in the Neurodegenerating Brain. Frontiers in Genetics, 2019, 10, 892.	2.3	31
13	Ontogenetic and Pathogenetic Views on Somatic Chromosomal Mosaicism. Genes, 2019, 10, 379.	2.4	38
14	Pathway-based classification of genetic diseases. Molecular Cytogenetics, 2019, 12, 4.	0.9	30
15	Laundering CNV data for candidate process prioritization in brain disorders. Molecular Cytogenetics, 2019, 12, 54.	0.9	8
16	The variome concept: focus on CNVariome. Molecular Cytogenetics, 2019, 12, 52.	0.9	23
17	FISH-Based Analysis of Mosaic Aneuploidy and Chromosome Instability for Investigating Molecular and Cellular Mechanisms of Disease. OBM Genetics, 2019, 3, .	0.4	4
18	FISHing for Unstable Cellular Genomes in the Human Brain. OBM Genetics, 2019, 3, 1-1.	0.4	5

#	Article	IF	Citations
19	Behavioral Variability and Somatic Mosaicism: A Cytogenomic Hypothesis. Current Genomics, 2018, 19, 158-162.	1.6	14
20	VIII World Rett Syndrome Congress & Symposium of rare diseases, Kazan, Russia. Molecular Cytogenetics, 2018, 11, 61.	0.9	4
21	Human Molecular Neurocytogenetics. Current Genetic Medicine Reports, 2018, 6, 155-164.	1.9	12
22	Editorial: Molecular Cyto(post)genomics. Current Genomics, 2018, 19, 157-157.	1.6	3
23	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
24	4q21.2q21.3 Duplication: Molecular and Neuropsychological Aspects. Current Genomics, 2018, 19, 173-178.	1.6	10
25	FISH-Based Assays for Detecting Genomic (Chromosomal) Mosaicism in Human Brain Cells. Neuromethods, 2017, , 27-41.	0.3	11
26	Interphase FISH for Detection of Chromosomal Mosaicism. Springer Protocols, 2017, , 361-372.	0.3	3
27	Neurogenomic Pathway of Autism Spectrum Disorders: Linking Germline and Somatic Mutations to Genetic-Environmental Interactions. Current Bioinformatics, 2017, 12, 19-26.	1.5	15
28	Network-Based Classification of Molecular Cytogenetic Data. Current Bioinformatics, 2017, 12, 27-33.	1.5	12
29	Reviewer acknowledgement 2016. Molecular Cytogenetics, 2016, 9, .	0.9	0
30	Neurological, genetic and epigenetic features of Rett syndrome. Journal of Pediatric Neurology, 2015, 02, 179-190.	0.2	16
31	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
32	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
33	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
34	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
35	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
36	Reviewer acknowledgement 2015. Molecular Cytogenetics, 2015, 8, .	0.9	0

#	Article	IF	Citations
37	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
38	An Interstitial Deletion at 10q26.2q26.3. Case Reports in Genetics, 2014, 2014, 1-3.	0.2	8
39	In memoriam of Anna D Polityko (17.12.1959 â€" 20.04.2013). Molecular Cytogenetics, 2014, 7, 2.	0.9	1
40	Reviewer acknowledgement 2014. Molecular Cytogenetics, 2014, 7, 11.	0.9	0
41	X chromosome aneuploidy in the Alzheimerâ€™s disease brain. Molecular Cytogenetics, 2014, 7, 20.	0.9	89
42	Molecular Cytogenetics: the first impact factor (2.36). Molecular Cytogenetics, 2013, 6, 28.	0.9	2
43	Reviewer acknowledgement 2013. Molecular Cytogenetics, 2013, 6, 9.	0.9	1
44	Introduction to Interphase Molecular Cytogenetics. , 2013, , 1-8.		0
45	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
46	Aneuploidy-driven non-heritable genomic variations demonstrate area-specific distribution in the Alzheimerâ€™s disease brain. Molecular Neurodegeneration, 2013, 8, .	10.8	0
47	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
48	Trisomy 21 Mosaicism: We May All Have a Touch of Down Syndrome. Cytogenetic and Genome Research, 2013, 139, 189-192.	1.1	42
49	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
50	An Interstitial 20q11.21 Microdeletion Causing Mild Intellectual Disability and Facial Dysmorphisms. Case Reports in Genetics, 2013, 2013, 1-5.	0.2	5
51	Interphase Chromosomes of the Human Brain: The Biological and Clinical Meaning of Neural Aneuploidy. , 2013, , 53-83.		5
52	Interphase Chromosome-Specific Multicolor Banding. , 2013, , 161-169.		4
53	Technological Solutions in Human Interphase Cytogenetics. , 2013, , 179-203.		4
54	Single Cell Genomics of the Brain: Focus on Neuronal Diversity and Neuropsychiatric Diseases. Current Genomics, 2012, 13, 477-488.	1.6	71

#	Article	IF	Citations
55	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
56	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
57	The DNA Replication Stress Hypothesis of Alzheimerâ€™s Disease. Scientific World Journal, The, 2011, 11, 2602-2612.	2.1	93
58	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
59	Methods of molecular cytogenetics for studying interphase chromosomes in human brain cells. Russian Journal of Genetics, 2010, 46, 1039-1041.	0.6	2
60	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
61	Instability of chromosomes in human nerve cells (Normal and with Neuromental Diseases). Russian Journal of Genetics, 2010, 46, 1194-1196.	0.6	8
62	Chromosomal mosaicism in spontaneous abortions: Analysis of 650 cases. Russian Journal of Genetics, 2010, 46, 1197-1200.	0.6	12
63	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
64	Human interphase chromosomes: a review of available molecular cytogenetic technologies. Molecular Cytogenetics, 2010, 3, 1.	0.9	105
65	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
66	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
67	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
68	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
69	Developmental neural chromosome instability as a possible cause of childhood brain cancers. Medical Hypotheses, 2009, 72, 615-616.	1.5	14
70	Neurodegeneration mediated by chromosome instability suggests changes in strategy for therapy development in ataxia-telangiectasia. Medical Hypotheses, 2009, 73, 1075-1076.	1.5	15
71	Interphase FISH: Detection of Intercellular Genomic Variations and Somatic Chromosomal Mosaicism. , 2009, , 301-311.		13
72	A new open access journal for a rapidly evolving biomedical field: introducing Molecular Cytogenetics. Molecular Cytogenetics, 2008, 1, 1.	0.9	11

#	Article	IF	Citations
73	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
74	Chromosomal mosaicism goes global. Molecular Cytogenetics, 2008, 1, 26.	0.9	139
75	The schizophrenia brain exhibits low-level aneuploidy involving chromosome 1. Schizophrenia Research, 2008, 98, 139-147.	2.0	80
76	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
77	Mosaic X chromosome aneuploidy can help to explain the male-to-female ratio in autism. Medical Hypotheses, 2008, 70, 456.	1.5	23
78	Maternal smoking as a cause of mosaic aneuploidy in spontaneous abortions. Medical Hypotheses, 2008, 71, 607.	1.5	5
79	Recent Patents on Molecular Cytogenetics. Recent Patents on DNA & Gene Sequences, 2008, 2, 6-15.	0.7	21
80	Unexplained autism is frequently associated with low-level mosaic aneuploidy. Journal of Medical Genetics, 2007, 44, 521-525.	3.2	117
81	Aneuploidy and Confined Chromosomal Mosaicism in the Developing Human Brain. PLoS ONE, 2007, 2, e558.	2.5	197
82	Ataxia telangiectasia paradox can be explained by chromosome instability at the subtissue level. Medical Hypotheses, 2007, 68, 716.	1.5	10
83	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
84	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
85	Chromosomal Variation in Mammalian Neuronal Cells: Known Facts and Attractive Hypotheses. International Review of Cytology, 2006, 249, 143-191.	6.2	104
86	Brain Tissue Preparations for Chromosomal PRINS Labeling. , 2006, 334, 123-132.		25
87	First case of del(1)(p36.2p33) in a fetus delivered stillborn. Prenatal Diagnosis, 2006, 26, 1092-1093.	2.3	3
88	Visualization of interphase chromosomes in postmitotic cells of the human brain by multicolour banding (MCB). Chromosome Research, 2006, 14, 223-229.	2.2	79
89	Intercellular Genomic (Chromosomal) Variations Resulting in Somatic Mosaicism: Mechanisms and Consequences. Current Genomics, 2006, 7, 435-446.	1.6	52
90	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

#	Article	IF	Citations
91	Alphoid DNA from different chromosomes forms de novo minichromosomes with high efficiency. Chromosome Research, 2005, 13, 411-422.	2.2	10
92	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
93	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
94	Interspersed repeats are found predominantly in the â€œoldâ€•Î± satellite families. Genomics, 2003, 82, 619-627.	2.9	19
95	5HTR2A gene polymorphism and personality traits in patients with major psychoses. European Psychiatry, 2002, 17, 24-28.	0.2	21
96	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
97	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
98	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
99	Molecular-cytogenetic investigation of skewed chromosome X inactivation in Rett syndrome. Brain and Development, 2001, 23, S214-S217.	1.1	9
100	Alpha-satellite DNA of primates: old and new families. Chromosoma, 2001, 110, 253-266.	2.2	161
101	Title is missing!. Russian Journal of Genetics, 2001, 37, 436-439.	0.6	1
102	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
103	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
104	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
105	SINE and LINE within human centromeres. Journal of Molecular Evolution, 1996, 42, 37-43.	1.8	28
106	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
107	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
108	Genomic organization, sequence and polymorphism of the human chromosome 4-specific a-satellite DNA. Gene, 1994, 140, 211-217.	2.2	23

#	Article	IF	Citations
109	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
110	Chromosome-specific alpha satellites: Two distinct families on human chromosome 18. Genomics, 1991, 11, 15-23.	2.9	64
111	Diagnosis of aneuploidy by in situ hybridization: Analysis of interphase nuclei. Bulletin of Experimental Biology and Medicine, 1991, 112, 1480-1483.	0.8	6
112	The phylogeny of human chromosome specific alpha satellites. Chromosoma, 1988, 96, 443-453.	2.2	123
113	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
114	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
115	DNA replication in amniotic fluid cells in culture. Bulletin of Experimental Biology and Medicine, 1981, 92, 1260-1263.	0.8	0
116	Rate of DNA replication fork movement within a single mammalian cell. Journal of Molecular Biology, 1980, 136, 339-342.	4.2	17
117	The rate of fork movement during DNA replication in mammalian cells. Chromosoma, 1979, 74, 347-353.	2.2	11
118	Do clusters of replication units in the mammalian cells exist?. Experimental Cell Research, 1979, 123, 369-374.	2.6	7
119	Replication of chromosomal DNA in cultured abnormal human cells. Human Genetics, 1978, 43, 47-52.	3.8	16
120	Replication of chromosomal DNA in diploid Drosophila melanogaster cells cultured in vitro. Chromosoma, 1977, 59, 259-272.	2.2	35
121	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