Ivan Y Iourov

List of Publications by Year
in descending order

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117 papers	3,348 citations	147726 31 h-index	161767 54 g-index
125 all docs	125 docs citations	125 times ranked	1608 citing authors

#	Article	IF	Citations
1	Aneuploidy and Confined Chromosomal Mosaicism in the Developing Human Brain. PLoS ONE, 2007, 2, e558.	1.1	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.	2.1	195
3	Chromosomal mosaicism goes global. Molecular Cytogenetics, 2008, 1, 26.	0.4	139
4	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.	1.3	134
5	Unexplained autism is frequently associated with low-level mosaic aneuploidy. Journal of Medical Genetics, 2007, 44, 521-525.	1.5	117
6	Increased chromosome instability dramatically disrupts neural genome integrity and mediates cerebellar degeneration in the ataxia-telangiectasia brain. Human Molecular Genetics, 2009, 18, 2656-2669.	1.4	115
7	Human interphase chromosomes: a review of available molecular cytogenetic technologies. Molecular Cytogenetics, 2010, 3, 1.	0.4	105
8	Chromosomal Variation in Mammalian Neuronal Cells: Known Facts and Attractive Hypotheses. International Review of Cytology, 2006, 249, 143-191.	6.2	104
9	Somatic Genome Variations in Health and Disease. Current Genomics, 2010, 11, 387-396.	0.7	93
10	The DNA Replication Stress Hypothesis of Alzheimerâ€™s Disease. Scientific World Journal, The, 2011, 11, 2602-2612.	0.8	93
11	Evidence for High Frequency of Chromosomal Mosaicism in Spontaneous Abortions Revealed by Interphase FISH Analysis. Journal of Histochemistry and Cytochemistry, 2005, 53, 375-380.	1.3	89
12	X chromosome aneuploidy in the Alzheimerâ€™s disease brain. Molecular Cytogenetics, 2014, 7, 20.	0.4	89
13	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.	0.6	84
14	The schizophrenia brain exhibits low-level aneuploidy involving chromosome 1. Schizophrenia Research, 2008, 98, 139-147.	1.1	80
15	Visualization of interphase chromosomes in postmitotic cells of the human brain by multicolour banding (MCB). Chromosome Research, 2006, 14, 223-229.	1.0	79
16	Molecular Cytogenetics and Cytogenomics of Brain Diseases. Current Genomics, 2008, 9, 452-465.	0.7	75
17	Single Cell Genomics of the Brain: Focus on Neuronal Diversity and Neuropsychiatric Diseases. Current Genomics, 2012, 13, 477-488.	0.7	71
18	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.	1.3	62

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19	GIN'n'CIN hypothesis of brain aging: deciphering the role of somatic genetic instabilities and neural aneuploidy during ontogeny. Molecular Cytogenetics, 2009, 2, 23.	0.4	62
20	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
21	Somatic Cell Genomics of Brain Disorders: A New Opportunity to Clarify Genetic-Environmental Interactions. Cytogenetic and Genome Research, 2013, 139, 181-188.	0.6	55
22	Intercellular Genomic (Chromosomal) Variations Resulting in Somatic Mosaicism: Mechanisms and Consequences. Current Genomics, 2006, 7, 435-446.	0.7	52
23	Ontogenetic Variation of the Human Genome. Current Genomics, 2010, 11, 420-425.	0.7	52
24	Molecular karyotyping by array CGH in a Russian cohort of children with intellectual disability, autism, epilepsy and congenital anomalies. Molecular Cytogenetics, 2012, 5, 46.	0.4	51
25	Molecular Cytogenetic Diagnosis and Somatic Genome Variations. Current Genomics, 2010, 11, 440-446.	0.7	49
26	Trisomy 21 Mosaicism: We May All Have a Touch of Down Syndrome. Cytogenetic and Genome Research, 2013, 139, 189-192.	0.6	42
27	Small Supernumerary Marker Chromosomes (sSMC) in Patients with a 45,X/46,X,+mar Karyotype â€“ 17 New Cases and a Review of the Literature. Sexual Development, 2007, 1, 353-362.	1.1	41
28	Genomic Landscape of the Alzheimerâ€™s Disease Brain: Chromosome Instability â€“ Aneuploidy, but Not Tetraploidy â€“ Mediates Neurodegeneration. Neurodegenerative Diseases, 2011, 8, 35-37.	0.8	41
29	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.	0.4	38
30	Ontogenetic and Pathogenetic Views on Somatic Chromosomal Mosaicism. Genes, 2019, 10, 379.	1.0	38
31	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.	0.2	35
32	Chromosome Instability in the Neurodegenerating Brain. Frontiers in Genetics, 2019, 10, 892.	1.1	31
33	Pathway-based classification of genetic diseases. Molecular Cytogenetics, 2019, 12, 4.	0.4	30
34	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.	0.2	28
35	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.	0.4	27
36	Brain Tissue Preparations for Chromosomal PRINS Labeling. , 2006, 334, 123-132.		25

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37	Xq28 (MECP2) microdeletions are common in mutation-negative females with Rett syndrome and cause mild subtypes of the disease. Molecular Cytogenetics, 2013, 6, 53.	0.4	24
38	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.	0.7	24
39	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.	0.6	23
40	Mosaic X chromosome aneuploidy can help to explain the male-to-female ratio in autism. Medical Hypotheses, 2008, 70, 456.	0.8	23
41	The variome concept: focus on CNVariome. Molecular Cytogenetics, 2019, 12, 52.	0.4	23
42	Chromosome Instability, Aging and Brain Diseases. Cells, 2021, 10, 1256.	1.8	23
43	Long contiguous stretches of homozygosity spanning shortly the imprinted loci are associated with intellectual disability, autism and/or epilepsy. Molecular Cytogenetics, 2015, 8, 77.	0.4	22
44	Recent Patents on Molecular Cytogenetics. Recent Patents on DNA & Gene Sequences, 2008, 2, 6-15.	0.7	21
45	Genomic Copy Number Variation Affecting Genes Involved in the Cell Cycle Pathway: Implications for Somatic Mosaicism. International Journal of Genomics, 2015, 2015, 1-7.	0.8	20
46	Dynamic nature of somatic chromosomal mosaicism, genetic-environmental interactions and therapeutic opportunities in disease and aging. Molecular Cytogenetics, 2020, 13, 16.	0.4	19
47	Cytopostgenomics: What is it and how does it work?. Current Genomics, 2019, 20, 77-78.	0.7	17
48	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.	1.8	17
49	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.	0.4	16
50	Neurological, genetic and epigenetic features of Rett syndrome. Journal of Pediatric Neurology, 2015, 02, 179-190.	0.0	16
51	Neurodegeneration mediated by chromosome instability suggests changes in strategy for therapy development in ataxia-telangiectasia. Medical Hypotheses, 2009, 73, 1075-1076.	0.8	15
52	Serologic Markers of Autism Spectrum Disorder. Journal of Molecular Neuroscience, 2017, 62, 420-429.	1.1	15
53	Neurogenomic Pathway of Autism Spectrum Disorders: Linking Germline and Somatic Mutations to Genetic-Environmental Interactions. Current Bioinformatics, 2017, 12, 19-26.	0.7	15
54	Developmental neural chromosome instability as a possible cause of childhood brain cancers. Medical Hypotheses, 2009, 72, 615-616.	0.8	14

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55	Quantitative Fluorescence In Situ Hybridization (QFISH). Methods in Molecular Biology, 2017, 1541, 143-149.	0.4	14
56	Behavioral Variability and Somatic Mosaicism: A Cytogenomic Hypothesis. Current Genomics, 2018, 19, 158-162.	0.7	14
57	Interphase FISH: Detection of Intercellular Genomic Variations and Somatic Chromosomal Mosaicism. , 2009, , 301-311.		13
58	Human Molecular Neurocytogenetics. Current Genetic Medicine Reports, 2018, 6, 155-164.	1.9	12
59	Network-Based Classification of Molecular Cytogenetic Data. Current Bioinformatics, 2017, 12, 27-33.	0.7	12
60	A new open access journal for a rapidly evolving biomedical field: introducing Molecular Cytogenetics. Molecular Cytogenetics, 2008, 1, 1.	0.4	11
61	FISH-Based Assays for Detecting Genomic (Chromosomal) Mosaicism in Human Brain Cells. Neuromethods, 2017, , 27-41.	0.2	11
62	Opening up new horizons for psychiatric genetics in the Russian Federation: moving toward a national consortium. Molecular Psychiatry, 2019, 24, 1099-1111.	4.1	11
63	Ataxia telangiectasia paradox can be explained by chromosome instability at the subtissue level. Medical Hypotheses, 2007, 68, 716.	0.8	10
64	4q21.2q21.3 Duplication: Molecular and Neuropsychological Aspects. Current Genomics, 2018, 19, 173-178.	0.7	10
65	Molecular-cytogenetic investigation of skewed chromosome X inactivation in Rett syndrome. Brain and Development, 2001, 23, S214-S217.	0.6	9
66	Thoughts about SLC16A2, TSIX and XIST gene like sites in the human genome and a potential role in cellular chromosome counting. Molecular Cytogenetics, 2016, 9, 56.	0.4	9
67	An Interstitial Deletion at 10q26.2q26.3. Case Reports in Genetics, 2014, 2014, 1-3.	0.1	8
68	Laundering CNV data for candidate process prioritization in brain disorders. Molecular Cytogenetics, 2019, 12, 54.	0.4	8
69	40-Hz Auditory Steady-State Response (ASSR) as a Biomarker of Genetic Defects in the SHANK3 Gene: A Case Report of 15-Year-Old Girl with a Rare Partial SHANK3 Duplication. International Journal of Molecular Sciences, 2021, 22, 1898.	1.8	8
70	The applicability of interphase chromosome-specific multicolor banding (ICS-MCB) for studying neurodevelopmental and neurodegenerative disorders. Research Results in Biomedicine, 2019, 5, .	0.2	8
71	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
72	Causes and Consequences of Genome Instability in Psychiatric and Neurodegenerative Diseases. Molecular Biology, 2021, 55, 37-46.	0.4	7

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73	Turnerâ€™s syndrome mosaicism in girls with neurodevelopmental disorders: a cohort study and hypothesis. Molecular Cytogenetics, 2021, 14, 9.	0.4	7
74	Maternal smoking as a cause of mosaic aneuploidy in spontaneous abortions. Medical Hypotheses, 2008, 71, 607.	0.8	5
75	An Interstitial 20q11.21 Microdeletion Causing Mild Intellectual Disability and Facial Dysmorphisms. Case Reports in Genetics, 2013, 2013, 1-5.	0.1	5
76	Yuri B. Yurov (1951-2017). Molecular Cytogenetics, 2018, 11, .	0.4	5
77	Cytogenomic Bioinformatics: Practical Issues. Current Bioinformatics, 2019, 14, 372-373.	0.7	5
78	Interphase Chromosomes of the Human Brain: The Biological and Clinical Meaning of Neural Aneuploidy. , 2013, , 53-83.		5
79	FISHing for Unstable Cellular Genomes in the Human Brain. OBM Genetics, 2019, 3, 1-1.	0.2	5
80	Cytopostgenomics: What is it and how does it work?. Current Genomics, 2019, 20, 77-78.	0.7	5
81	Klinefelter syndrome mosaicism in boys with neurodevelopmental disorders: a cohort study and an extension of the hypothesis. Molecular Cytogenetics, 2022, 15, 8.	0.4	5
82	VIII World Rett Syndrome Congress & Symposium of rare diseases, Kazan, Russia. Molecular Cytogenetics, 2018, 11, 61.	0.4	4
83	Pilot data of serum proteins from children with autism spectrum disorders. Data in Brief, 2019, 27, 104558.	0.5	4
84	Interphase Chromosome-Specific Multicolor Banding. , 2013, , 161-169.		4
85	FISH-Based Analysis of Mosaic Aneuploidy and Chromosome Instability for Investigating Molecular and Cellular Mechanisms of Disease. OBM Genetics, 2019, 3, .	0.2	4
86	To see an interphase chromosome or: How a disease can be associated with specific nuclear genome organization. BioDiscovery, 2012, , .	0.1	4
87	Technological Solutions in Human Interphase Cytogenetics. , 2013, , 179-203.		4
88	COVID-19 and Aging-Related Genome (Chromosome) Instability in the Brain: Another Possible Time-Bomb of SARS-CoV-2 Infection. Frontiers in Aging Neuroscience, 2022, 14, 786264.	1.7	4
89	First case of del(1)(p36.2p33) in a fetus delivered stillborn. Prenatal Diagnosis, 2006, 26, 1092-1093.	1.1	3
90	Microscopy and Imaging Systems. , 2009, , 75-84.		3

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91	Interphase FISH for Detection of Chromosomal Mosaicism. Springer Protocols, 2017, , 361-372.	0.1	3
92	Editorial: Molecular Cyto(post)genomics. Current Genomics, 2018, 19, 157-157.	0.7	3
93	Systems Cytogenomics: Are We Ready Yet?. Current Genomics, 2021, 22, 75-78.	0.7	3
94	Chromosome-Centric Look at the Genome. , 2020, , 157-170.		3
95	â€œSilicon-On-Insulatorâ€•Based Nanosensor for the Revelation of MicroRNA Markers of Autism. Genes, 2022, 13, 199.	1.0	3
96	Characterization of Small Supernumerary Marker Chromosomes By A Simple Molecular and Molecular Cytogenetics Approach. Balkan Journal of Medical Genetics, 2007, 10, 33-37.	0.5	2
97	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.	0.7	2
98	Molecular Cytogenetics: the first impact factor (2.36). Molecular Cytogenetics, 2013, 6, 28.	0.4	2
99	Molecular cytogenetic study of preterm infants: genomic anomalies detection. Research Results in Biomedicine, 2019, 5, 25-51.	0.2	2
100	Algorithm of diagnostics of cognitive functions development violation in children born extremally premature. Rossiyskiy Vestnik Perinatologii I Pediatrii, 2020, 64, 39-44.	0.1	2
101	Fluorescence intensity profiles of in situ hybridization signals depict genome architecture within human interphase nuclei. Cytology and Genetics, 2008, 42, 289-293.	0.2	1
102	In memoriam of Anna D Polityko (17.12.1959 â€” 20.04.2013). Molecular Cytogenetics, 2014, 7, 2.	0.4	1
103	Microscopy and Imaging. Springer Protocols, 2017, , 17-25.	0.1	1
104	Systems Biology Analysis and Literature Data Mining for Unmasking Pathogenic Neurogenomic Variations in Clinical Molecular Diagnosis. , 2018, , .		1
105	Detection of Circulating Serum microRNA/Protein Complexes in ASD Using Functionalized Chips for an Atomic Force Microscope. Molecules, 2021, 26, 5979.	1.7	1
106	Runs of Homozygosity and Epigenetic Deregulation of Genomic Imprinting. OBM Genetics, 2018, 2, 1-1.	0.2	1
107	Cytogenetic analysis in the era of highresolution molecular-cytogenetic methods: the potential of Â«reverseÂ» karyotyping. Research Results in Biomedicine, 2019, 5, .	0.2	1
108	The Y chromosome disomy syndrome (47, XYY) in children with mental retardation, deviations of sex development and different genome anomalies: molecular cytogenetic studies. Rossiyskiy Vestnik Perinatologii I Pediatrii, 2020, 65, 40-48.	0.1	1

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109	Introduction to Interphase Molecular Cytogenetics. , 2013, , 1-8.		0
110	Reviewer acknowledgement 2015. Molecular Cytogenetics, 2015, 8, .	0.4	0
111	Reviewer acknowledgement 2016. Molecular Cytogenetics, 2016, 9, .	0.4	0
112	Editorial (Thematic Issue: Bioinformatics in Molecular Cytogenetics). Current Bioinformatics, 2017, 12, 3-3.	0.7	0
113	Cytogenomic landscape of the human brain. , 2021, , 327-348.		0
114	Chromosome 18p deletion syndrome (18p-) in children: the value of cytogenetic and molecular cytogenetic diagnosis. Research Results in Biomedicine, 2021, 7, 257-271.	0.2	0
115	Interphase Quantitative Fluorescence in Situ Hybridization (IQ-FISH). , 2019, 3, .		0
116	Human Interphase Cytogenomics. , 2020, , 1-10.		0
117	Interphase Chromosomes of the Human Brain. , 2020, , 67-85.		0