Ivan Y Iourov

List of Publications by Year in descending order

117 papers	3,348 citations	147566 31 h-index	161609 54 g-index
125 all docs	125 docs citations	125 times ranked	1608 citing authors

#	Article	IF	Citations
1	â€œSilicon-On-Insulatorâ€•Based Nanosensor for the Revelation of MicroRNA Markers of Autism. Genes, 2022, 13, 199.	1.0	3
2	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
3	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
4	Causes and Consequences of Genome Instability in Psychiatric and Neurodegenerative Diseases. Molecular Biology, 2021, 55, 37-46.	0.4	7
5	Cytogenomic landscape of the human brain. , 2021, , 327-348.		0
6	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
7	Turnerâ€™s syndrome mosaicism in girls with neurodevelopmental disorders: a cohort study and hypothesis. Molecular Cytogenetics, 2021, 14, 9.	0.4	7
8	Chromosome Instability, Aging and Brain Diseases. Cells, 2021, 10, 1256.	1.8	23
9	Systems Cytogenomics: Are We Ready Yet?. Current Genomics, 2021, 22, 75-78.	0.7	3
10	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
11	Detection of Circulating Serum microRNA/Protein Complexes in ASD Using Functionalized Chips for an Atomic Force Microscope. Molecules, 2021, 26, 5979.	1.7	1
12	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
13	Dynamic nature of somatic chromosomal mosaicism, genetic-environmental interactions and therapeutic opportunities in disease and aging. Molecular Cytogenetics, 2020, 13, 16.	0.4	19
14	Chromosome-Centric Look at the Genome. , 2020, , 157-170.		3
15	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
16	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
17	Human Interphase Cytogenomics. , 2020, , 1-10.		0
18	Interphase Chromosomes of the Human Brain. , 2020, , 67-85.		0

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19	Cytopostgenomics: What is it and how does it work?. Current Genomics, 2019, 20, 77-78.	0.7	17
20	Pilot data of serum proteins from children with autism spectrum disorders. Data in Brief, 2019, 27, 104558.	0.5	4
21	Chromosome Instability in the Neurodegenerating Brain. Frontiers in Genetics, 2019, 10, 892.	1.1	31
22	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
23	Ontogenetic and Pathogenetic Views on Somatic Chromosomal Mosaicism. Genes, 2019, 10, 379.	1.0	38
24	Pathway-based classification of genetic diseases. Molecular Cytogenetics, 2019, 12, 4.	0.4	30
25	Laundering CNV data for candidate process prioritization in brain disorders. Molecular Cytogenetics, 2019, 12, 54.	0.4	8
26	Cytogenomic Bioinformatics: Practical Issues. Current Bioinformatics, 2019, 14, 372-373.	0.7	5
27	The variome concept: focus on CNVariome. Molecular Cytogenetics, 2019, 12, 52.	0.4	23
28	Molecular cytogenetic study of preterm infants: genomic anomalies detection. Research Results in Biomedicine, 2019, 5, 25-51.	0.2	2
29	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
30	FISH-Based Analysis of Mosaic Aneuploidy and Chromosome Instability for Investigating Molecular and Cellular Mechanisms of Disease. OBM Genetics, 2019, 3, .	0.2	4
31	FISHing for Unstable Cellular Genomes in the Human Brain. OBM Genetics, 2019, 3, 1-1.	0.2	5
32	Interphase Quantitative Fluorescence in Situ Hybridization (IQ-FISH). , 2019, 3, .		0
33	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
34	Cytopostgenomics: What is it and how does it work?. Current Genomics, 2019, 20, 77-78.	0.7	5
35	Behavioral Variability and Somatic Mosaicism: A Cytogenomic Hypothesis. Current Genomics, 2018, 19, 158-162.	0.7	14
36	VIII World Rett Syndrome Congress & Symposium of rare diseases, Kazan, Russia. Molecular Cytogenetics, 2018, 11, 61.	0.4	4

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37	Yuri B. Yurov (1951-2017). Molecular Cytogenetics, 2018, 11, .	0.4	5
38	Human Molecular Neurocytogenetics. Current Genetic Medicine Reports, 2018, 6, 155-164.	1.9	12
39	Editorial: Molecular Cyto(post)genomics. Current Genomics, 2018, 19, 157-157.	0.7	3
40	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
41	4q21.2q21.3 Duplication: Molecular and Neuropsychological Aspects. Current Genomics, 2018, 19, 173-178.	0.7	10
42	Systems Biology Analysis and Literature Data Mining for Unmasking Pathogenic Neurogenomic Variations in Clinical Molecular Diagnosis. , 2018, , .		1
43	Runs of Homozygosity and Epigenetic Deregulation of Genomic Imprinting. OBM Genetics, 2018, 2, 1-1.	0.2	1
44	Quantitative Fluorescence In Situ Hybridization (QFISH). Methods in Molecular Biology, 2017, 1541, 143-149.	0.4	14
45	FISH-Based Assays for Detecting Genomic (Chromosomal) Mosaicism in Human Brain Cells. Neuromethods, 2017, , 27-41.	0.2	11
46	Serologic Markers of Autism Spectrum Disorder. Journal of Molecular Neuroscience, 2017, 62, 420-429.	1.1	15
47	Microscopy and Imaging. Springer Protocols, 2017, , 17-25.	0.1	1
48	Interphase FISH for Detection of Chromosomal Mosaicism. Springer Protocols, 2017, , 361-372.	0.1	3
49	Editorial (Thematic Issue: Bioinformatics in Molecular Cytogenetics). Current Bioinformatics, 2017, 12, 3-3.	0.7	0
50	Neurogenomic Pathway of Autism Spectrum Disorders: Linking Germline and Somatic Mutations to Genetic-Environmental Interactions. Current Bioinformatics, 2017, 12, 19-26.	0.7	15
51	Network-Based Classification of Molecular Cytogenetic Data. Current Bioinformatics, 2017, 12, 27-33.	0.7	12
52	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
53	Reviewer acknowledgement 2016. Molecular Cytogenetics, 2016, 9, .	0.4	0
54	Neurological, genetic and epigenetic features of Rett syndrome. Journal of Pediatric Neurology, 2015, 02, 179-190.	0.0	16

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55	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
56	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
57	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
58	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
59	Reviewer acknowledgement 2015. Molecular Cytogenetics, 2015, 8, .	0.4	0
60	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
61	An Interstitial Deletion at 10q26.2q26.3. Case Reports in Genetics, 2014, 2014, 1-3.	0.1	8
62	In memoriam of Anna D Polityko (17.12.1959 â€" 20.04.2013). Molecular Cytogenetics, 2014, 7, 2.	0.4	1
63	X chromosome aneuploidy in the Alzheimerâ€™s disease brain. Molecular Cytogenetics, 2014, 7, 20.	0.4	89
64	Molecular Cytogenetics: the first impact factor (2.36). Molecular Cytogenetics, 2013, 6, 28.	0.4	2
65	Introduction to Interphase Molecular Cytogenetics. , 2013, , 1-8.		0
66	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
67	Trisomy 21 Mosaicism: We May All Have a Touch of Down Syndrome. Cytogenetic and Genome Research, 2013, 139, 189-192.	0.6	42
68	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
69	An Interstitial 20q11.21 Microdeletion Causing Mild Intellectual Disability and Facial Dysmorphisms. Case Reports in Genetics, 2013, 2013, 1-5.	0.1	5
70	Interphase Chromosomes of the Human Brain: The Biological and Clinical Meaning of Neural Aneuploidy. , 2013, , 53-83.		5
71	Interphase Chromosome-Specific Multicolor Banding. , 2013, , 161-169.		4
72	Technological Solutions in Human Interphase Cytogenetics. , 2013, , 179-203.		4

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73	Single Cell Genomics of the Brain: Focus on Neuronal Diversity and Neuropsychiatric Diseases. Current Genomics, 2012, 13, 477-488.	0.7	71
74	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
75	To see an interphase chromosome or: How a disease can be associated with specific nuclear genome organization. BioDiscovery, 2012, , .	0.1	4
76	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
77	The DNA Replication Stress Hypothesis of Alzheimerâ€™s Disease. Scientific World Journal, The, 2011, 11, 2602-2612.	0.8	93
78	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
79	Ontogenetic Variation of the Human Genome. Current Genomics, 2010, 11, 420-425.	0.7	52
80	Molecular Cytogenetic Diagnosis and Somatic Genome Variations. Current Genomics, 2010, 11, 440-446.	0.7	49
81	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
82	Human interphase chromosomes: a review of available molecular cytogenetic technologies. Molecular Cytogenetics, 2010, 3, 1.	0.4	105
83	Somatic Genome Variations in Health and Disease. Current Genomics, 2010, 11, 387-396.	0.7	93
84	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
85	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
86	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
87	Developmental neural chromosome instability as a possible cause of childhood brain cancers. Medical Hypotheses, 2009, 72, 615-616.	0.8	14
88	Neurodegeneration mediated by chromosome instability suggests changes in strategy for therapy development in ataxia-telangiectasia. Medical Hypotheses, 2009, 73, 1075-1076.	0.8	15
89	Microscopy and Imaging Systems. , 2009, , 75-84.		3
90	Interphase FISH: Detection of Intercellular Genomic Variations and Somatic Chromosomal Mosaicism. , 2009, , 301-311.		13

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91	A new open access journal for a rapidly evolving biomedical field: introducing Molecular Cytogenetics. Molecular Cytogenetics, 2008, 1, 1.	0.4	11
92	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
93	Chromosomal mosaicism goes global. Molecular Cytogenetics, 2008, 1, 26.	0.4	139
94	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
95	The schizophrenia brain exhibits low-level aneuploidy involving chromosome 1. Schizophrenia Research, 2008, 98, 139-147.	1.1	80
96	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
97	Mosaic X chromosome aneuploidy can help to explain the male-to-female ratio in autism. Medical Hypotheses, 2008, 70, 456.	0.8	23
98	Maternal smoking as a cause of mosaic aneuploidy in spontaneous abortions. Medical Hypotheses, 2008, 71, 607.	0.8	5
99	Molecular Cytogenetics and Cytogenomics of Brain Diseases. Current Genomics, 2008, 9, 452-465.	0.7	75
100	Recent Patents on Molecular Cytogenetics. Recent Patents on DNA & Gene Sequences, 2008, 2, 6-15.	0.7	21
101	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
102	Unexplained autism is frequently associated with low-level mosaic aneuploidy. Journal of Medical Genetics, 2007, 44, 521-525.	1.5	117
103	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
104	Aneuploidy and Confined Chromosomal Mosaicism in the Developing Human Brain. PLoS ONE, 2007, 2, e558.	1.1	197
105	Ataxia telangiectasia paradox can be explained by chromosome instability at the subtissue level. Medical Hypotheses, 2007, 68, 716.	0.8	10
106	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
107	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
108	Chromosomal Variation in Mammalian Neuronal Cells: Known Facts and Attractive Hypotheses. International Review of Cytology, 2006, 249, 143-191.	6.2	104

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109	Brain Tissue Preparations for Chromosomal PRINS Labeling. , 2006, 334, 123-132.		25
110	First case of del(1)(p36.2p33) in a fetus delivered stillborn. Prenatal Diagnosis, 2006, 26, 1092-1093.	1.1	3
111	Visualization of interphase chromosomes in postmitotic cells of the human brain by multicolour banding (MCB). Chromosome Research, 2006, 14, 223-229.	1.0	79
112	Intercellular Genomic (Chromosomal) Variations Resulting in Somatic Mosaicism: Mechanisms and Consequences. Current Genomics, 2006, 7, 435-446.	0.7	52
113	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
114	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
115	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
116	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
117	Molecular-cytogenetic investigation of skewed chromosome X inactivation in Rett syndrome. Brain and Development, 2001, 23, S214-S217.	0.6	9