Igor Lebedev

List of Publications by Year in descending order

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108	1,023	623734	552781
papers	citations	14 h-index	26 g-index

136	136	136	1370
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Current use of noninvasive prenatal testing in Europe, Australia and the USA: A graphical presentation. Acta Obstetricia Et Gynecologica Scandinavica, 2020, 99, 722-730.	2.8	121
2	Features of chromosomal abnormalities in spontaneous abortion cell culture failures detected by interphase FISH analysis. European Journal of Human Genetics, 2004, 12, 513-520.	2.8	62
3	A Comparison of Genome-Wide DNA Methylation Patterns between Different Vascular Tissues from Patients with Coronary Heart Disease. PLoS ONE, 2015, 10, e0122601.	2.5	54
4	Single gene microdeletions and microduplication of 3p26.3 in three unrelated families: CNTN6 as a new candidate gene for intellectual disability. Molecular Cytogenetics, 2014, 7, 97.	0.9	51
5	Mosaic Aneuploidy in Early Fetal Losses. Cytogenetic and Genome Research, 2011, 133, 169-183.	1.1	45
6	Array CGH analysis of a cohort of Russian patients with intellectual disability. Gene, 2014, 536, 145-150.	2.2	40
7	Karyotype of the blastocoel fluid demonstrates low concordance with both trophectoderm and inner cell mass. Fertility and Sterility, 2018, 109, 1127-1134.e1.	1.0	38
8	Genomic structural variations for cardiovascular and metabolic comorbidity. Scientific Reports, 2017, 7, 41268.	3.3	29
9	Comparative Cytogenetic Analysis of Spontaneous Abortions in Recurrent and Sporadic Pregnancy Losses. Biomedicine Hub, 2016, 1, 1-11.	1.2	28
10	Clinically relevant morphological structures in breast cancer represent transcriptionally distinct tumor cell populations with varied degrees of epithelial-mesenchymal transition and CD44+CD24- stemness. Oncotarget, 2017, 8, 61163-61180.	1.8	22
11	Generation of GABAergic striatal neurons by a novel iPSC differentiation protocol enabling scalability and cryopreservation of progenitor cells. Cytotechnology, 2020, 72, 649-663.	1.6	21
12	Karyotype evaluation of repeated abortions in primary and secondary recurrent pregnancy loss. Journal of Assisted Reproduction and Genetics, 2020, 37, 517-525.	2.5	19
13	Allele-Specific Biased Expression of the CNTN6 Gene in iPS Cell-Derived Neurons from a Patient with Intellectual Disability and 3p26.3 Microduplication Involving the CNTN6 Gene. Molecular Neurobiology, 2018, 55, 6533-6546.	4.0	18
14	Complex biology of constitutional ring chromosomes structure and (in)stability revealed by somatic cell reprogramming. Scientific Reports, 2021, 11, 4325.	3.3	17
15	Compound phenotype in a girl with r(22), concomitant microdeletion 22q13.32-q13.33 and mosaic monosomy 22. Molecular Cytogenetics, 2018, 11, 26.	0.9	15
16	Epimutations of the KCNQ1OT1 imprinting center of chromosome 11 in early human embryolethality. Russian Journal of Genetics, 2008, 44, 1394-1399.	0.6	14
17	A mathematical model for evaluation of maternal cell contamination in cultured cells from spontaneous abortions: Significance for cytogenetic analysis of prenatal selection factors. Fertility and Sterility, 2005, 83, 964-972.	1.0	13
18	A cookbook for DNase Hi-C. Epigenetics and Chromatin, 2021, 14, 15.	3.9	13

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19	Methylation profiling of DNA in the area of atherosclerotic plaque in humans. Molecular Biology, 2011, 45, 561-566.	1.3	12
20	Opening up new horizons for psychiatric genetics in the Russian Federation: moving toward a national consortium. Molecular Psychiatry, 2019, 24, 1099-1111.	7.9	11
21	Aneuploidy and DNA Methylation as Mirrored Features of Early Human Embryo Development. Genes, 2020, 11, 1084.	2.4	11
22	Derivation of Induced Pluripotent Stem Cells from Fetal Human Skin Fibroblasts. Acta Naturae, 2010, 2, 102-104.	1.7	11
23	Title is missing!. Russian Journal of Genetics, 2001, 37, 1224-1237.	0.6	10
24	DNA methylation profiling of the vascular tissues in the setting of atherosclerosis. Molecular Biology, 2013, 47, 352-357.	1.3	10
25	Epimutations of imprinted genes in the human genome: Classification, causes, association with hereditary pathology. Russian Journal of Genetics, 2008, 44, 1176-1190.	0.6	9
26	A mosaic intragenic microduplication of LAMA1 and a constitutional 18p11.32 microduplication in a patient with keratosis pilaris and intellectual disability. American Journal of Medical Genetics, Part A, 2018, 176, 2395-2403.	1.2	9
27	Epigenetic effects of trisomy 16 in human placenta. Molecular Biology, 2013, 47, 373-381.	1.3	8
28	Methylation status of LINE-1 retrotransposon in chromosomal mosaicism during early stages of human embryonic development. Molecular Biology, 2015, 49, 144-152.	1.3	8
29	Relationship between morphological and cytogenetic heterogeneity in invasive micropapillary carcinoma of the breast: a report of one case. Journal of Clinical Pathology, 2015, 68, 758-762.	2.0	8
30	Epigenetic status of imprinted genes in placenta during recurrent pregnancy loss. Russian Journal of Genetics, 2017, 53, 376-387.	0.6	8
31	Induced pluripotent stem cell line, IMGTi003-A, derived from skin fibroblasts of an intellectually disabled patient with ring chromosome 13. Stem Cell Research, 2018, 33, 260-264.	0.7	8
32	Generation of two iPSC lines (IMGTi001-A and IMGTi001-B) from human skin fibroblasts with ring chromosome 22. Stem Cell Research, 2018, 31, 244-248.	0.7	8
33	Delineation of Clinical Manifestations of the Inherited Xq24 Microdeletion Segregating with sXCI in Mothers: Two Novel Cases with Distinct Phenotypes Ranging from UBE2A Deficiency Syndrome to Recurrent Pregnancy Loss. Cytogenetic and Genome Research, 2020, 160, 245-254.	1.1	8
34	Epigenetic inactivation of the RB1 gene as a factor of genomic instability: A possible contribution to etiology of chromosomal mosaicism during human embryo development. Russian Journal of Genetics, 2008, 44, 1266-1271.	0.6	7
35	A de novo microtriplication at 4q21.21â€q21.22 in a patient with a vascular malignant hemangioma, elongated sigmoid colon, developmental delay, and absence of speech. American Journal of Medical Genetics, Part A, 2016, 170, 2089-2096.	1.2	7
36	Evolutionary Aspects of Genomic Imprinting. Molecular Biology, 2021, 55, 1-15.	1.3	7

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37	About the sex ratio in connection with early embryonic mortality in man. Russian Journal of Developmental Biology, 2000, 31, 204-210.	0.5	6
38	Evaluation of the Role of Uniparental Disomy in Early Embryolethality of Man. Russian Journal of Developmental Biology, 2004, 35, 238-246.	0.5	6
39	DNA methylation profile in human placental tissues. Molecular Biology, 2011, 45, 493-499.	1.3	6
40	Somatic genome variations in vascular tissues and peripheral blood leukocytes in patients with atherosclerosis. Russian Journal of Genetics, 2014, 50, 870-878.	0.6	6
41	LINE-1 retrotransposon methylation in chorionic villi of first trimester miscarriages with aneuploidy. Journal of Assisted Reproduction and Genetics, 2021, 38, 139-149.	2.5	6
42	Differential DNA Methylation of the IMMP2L Gene in Families with Maternally Inherited 7q31.1 Microdeletions is Associated with Intellectual Disability and Developmental Delay. Cytogenetic and Genome Research, 2021, 161, 105-119.	1.1	6
43	Prenatal Diagnosis of Small Supernumerary Marker Chromosome 10 by Array-Based Comparative Genomic Hybridization and Microdissected Chromosome Sequencing. Biomedicines, 2021, 9, 1030.	3.2	6
44	Stem Cell-Based Trophoblast Models to Unravel the Genetic Causes of Human Miscarriages. Cells, 2022, 11, 1923.	4.1	6
45	Cytogenetic mechanisms of aneuploidy in somatic cells of chemonuclear industry professionals with incorporated plutonium-239. Russian Journal of Genetics, 2010, 46, 1381-1385.	0.6	5
46	Dynamics of aberrant methylation of functional groups of genes in progression of breast cancer. Molecular Biology, 2013, 47, 267-274.	1.3	5
47	Multiple epimutations in imprinted genes in the human genome and congenital disorders. Russian Journal of Genetics, 2014, 50, 221-236.	0.6	5
48	Epigenetic regulation and role of LINE-1 retrotransposon in embryogenesis. Russian Journal of Genetics, 2016, 52, 1219-1226.	0.6	5
49	Preimplantation genetic diagnosis by blastocentesis: Problems and perspectives. Russian Journal of Genetics, 2016, 52, 1-7.	0.6	5
50	Establishment of an induced pluripotent stem cell line (ICGi025-A) from fibroblasts of a patient with 46,XY,r(8)/45,XY,â€“8 mosaicism. Stem Cell Research, 2020, 49, 102024.	0.7	5
51	FISH Diagnostics of Chromosomal Translocation with the Technology of Synthesis of Locus-Specific DNA Probes Based on Long-Range PCR. Russian Journal of Genetics, 2020, 56, 739-746.	0.6	5
52	46,XY,r(8)/45,XY,â^’8 Mosaicism as a Possible Mechanism of the Imprinted Birk-Barel Syndrome: A Case Study. Genes, 2020, 11, 1473.	2.4	5
53	Detection of Aneuploidy in Spontaneous Abortions Using Comparative Genomic Hybridization. Russian Journal of Genetics, 2002, 38, 1435-1442.	0.6	4
54	Maternal Cell Contamination of Cultures of Spontaneous Abortion Fibroblasts: Importance for Cytogenetic Analysis of Embryonic Lethality. Russian Journal of Genetics, 2004, 40, 800-809.	0.6	4

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55	Epigenetic perspectives of safety in assisted reproductive technologies. Russian Journal of Genetics, 2007, 43, 961-972.	0.6	4
56	Estimation of the mehylation status of the promoter region of the cell cycle control gene P14ARF in placental tissues of spontaneous abortions with chromosomal mosaicism. Russian Journal of Genetics, 2009, 45, 749-755.	0.6	4
57	Multilocus epimutations of imprintome in the pathology of human embryo development. Molecular Biology, 2012, 46, 183-191.	1.3	4
58	Molecular karyotyping of cell-free DNA from blastocoele fluid as a basis for noninvasive preimplantation genetic screening of aneuploidy. Russian Journal of Genetics, 2015, 51, 1123-1128.	0.6	4
59	Chromosomal Instability and Karyotype Correction in Human Induced Pluripotent Stem Cells. Russian Journal of Genetics, 2019, 55, 1183-1195.	0.6	4
60	NLRP7 variants in spontaneous abortions with multilocus imprinting disturbances from women with recurrent pregnancy loss. Journal of Assisted Reproduction and Genetics, 2021, 38, 2893-2908.	2.5	4
61	Germline Mutations of Tetranucleotide DNA Repeats in Families with Normal Children and Reproductive Pathology. Russian Journal of Genetics, 2005, 41, 770-778.	0.6	3
62	Aneugenic effect of ionizing radiation in mammalian and human somatic cells. Russian Journal of Genetics, 2009, 45, 1403-1412.	0.6	3
63	Epigenetic silencing of genomic structural variations. Russian Journal of Genetics, 2017, 53, 1072-1079.	0.6	3
64	A Familial Small Supernumerary Marker Chromosome 15 Associated with Cryptic Mosaicism with Two Different Additional Marker Chromosomes Derived de novo from Chromosome 9: Detailed Case Study and Implications for Recurrent Pregnancy Loss. Cytogenetic and Genome Research, 2018, 156, 179-184.	1.1	3
65	Ontogenetic Pleiotropy of Genes Involved in CNVs in Human Spontaneous Abortions. Russian Journal of Genetics, 2019, 55, 1214-1226.	0.6	3
66	Epigenetic Mosaicism in Genomic Imprinting Disorders. Russian Journal of Genetics, 2019, 55, 1196-1207.	0.6	3
67	Generation of iPSC line ICGi024-A from human skin fibroblasts of a patient with ring chromosome 18. Stem Cell Research, 2020, 49, 102076.	0.7	3
68	From contemplation to classification of chromosomal mosaicism in human preimplantation embryos. Journal of Assisted Reproduction and Genetics, 2021, 38, 2833-2848.	2.5	3
69	Regulation of karyotype stability in human induced pluripotent stem cells. Tsitologiya, 2018, 60, 403-416.	0.2	3
70	Title is missing!. Russian Journal of Genetics, 2003, 39, 934-943.	0.6	2
71	Skewed X-chromosome inactivation in human embryos with mosaic trisomy 16. Russian Journal of Genetics, 2011, 47, 354-357.	0.6	2
72	Genomic architecture of human chromosomal diseases. Russian Journal of Genetics, 2016, 52, 447-462.	0.6	2

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73	Generation of four iPSC lines from two siblings with a microdeletion at the CNTN6 gene and intellectual disability. Stem Cell Research, 2019, 41, 101591.	0.7	2
74	Method of targeted bisulfite massive parallel sequencing of the human LINE-1 retrotransposon promoter. MethodsX, 2021, 8, 101445.	1.6	2
75	HUMAN CYTOGENETICS IN GENOME AND POSTGENOME ERA: FROM GENOME ARCHITECTURE TO NOVEL CHROMOSOMAL DISEASES. Tsitologiya, 2018, 60, 499-502.	0.2	2
76	Variation of DNA copies number in etiology of congenital heart defects. Russian Journal of Cardiology, 2018, , 119-126.	1.4	2
77	Identification of differentially methylated genes in first-trimester placentas with trisomy 16. Scientific Reports, 2022, 12, 1166.	3.3	2
78	Generation of iPS cell line (ICGi040-A) from skin fibroblasts of a patient with ring small supernumerary marker chromosome 4. Stem Cell Research, 2022, 61, 102740.	0.7	2
79	Skewed X-Chromosome Inactivation as a Possible Marker of X-Linked CNV in Women with Pregnancy Loss. Cytogenetic and Genome Research, 2022, 162, 97-108.	1.1	2
80	Frequencies of C677T and A1298C polymorphisms of methylenetetrahydrofolate reductase gene at the early stage of human development. Russian Journal of Genetics, 2006, 42, 578-583.	0.6	1
81	Epigenetic status of cell cycle regulation genes in the placenta of human embryos with chromosomal mosaicism. Molecular Biology, 2011, 45, 283-290.	1.3	1
82	Cytogenetics of recurrent pregnancy loss. Russian Journal of Genetics, 2014, 50, 435-446.	0.6	1
83	Genome-wide profiling of DNA methylation in human atherosclerotic plaques. Atherosclerosis, 2015, 241, e84-e85.	0.8	1
84	Estimation of association of CNTN6 copy number variation with idiopathic intellectual disability. Russian Journal of Genetics, 2016, 52, 1004-1006.	0.6	1
85	DNA methylation and copy number events in atherosclerotic lesions. Atherosclerosis, 2016, 252, e83.	0.8	1
86	Generation of the induced pluripotent stem cell line, ICAGi002-A, from unaffected carrier megabase scaled duplication involving the CNTN6 gene. Stem Cell Research, 2019, 40, 101556.	0.7	1
87	Induced pluripotent stem cell line, ICAGi001-A, derived from human skin fibroblasts of a patient with 2p25.3 deletion and 2p25.3-p23.3 inverted duplication. Stem Cell Research, 2019, 34, 101377.	0.7	1
88	Transcriptome Analysis as a Tool for Investigation of Pathogenesis of Chromosomal Diseases. Russian Journal of Genetics, 2020, 56, 548-561.	0.6	1
89	BiasCorrector : Fast and accurate correction of all types of experimental biases in quantitative DNA methylation data derived by different technologies. International Journal of Cancer, 2021, 149, 1150-1165.	5.1	1
90	Effect of ADAMTS1 Differential Expression on the Radiation-Induced Response of HÐµLÐ° Cell Line. Russian Journal of Genetics, 2021, 57, 856-862.	0.6	1

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91	Spontaneous aneuploidy level in blood cells of fertile females. Cell and Tissue Biology, 2009, 3, 397-402.	0.4	0
92	SELECTED ORAL COMMUNICATION SESSION, SESSION 54: EARLY PREGNANCY DISORDERS, Tuesday 5 July 2011 17:00 - 18:00. Human Reproduction, 2011, 26, i82-i84.	0.9	0
93	Methylation profile of INK4B-ARF-INK4A locus in atherosclerosis. Russian Journal of Genetics, 2013, 49, 681-684.	0.6	0
94	Generation and application of dynamic standard reference intervals for analyzing results of comparative genomic hybridization. Russian Journal of Genetics, 2013, 49, 1072-1077.	0.6	0
95	Skewed X-chromosome inactivation in human miscarriages. Cell and Tissue Biology, 2016, 10, 55-59.	0.4	0
96	Genomic rearrangements in human atherosclerotic vascular tissues. Atherosclerosis, 2016, 252, e167-e168.	0.8	0
97	EP-2065: Effects of spontaneous Î³H2AX level on radiation-induced response in human somatic cells. Radiotherapy and Oncology, 2016, 119, S974-S975.	0.6	0
98	Copy number variations in patients with advanced coronary artery disease. Atherosclerosis, 2017, 263, e90.	0.8	0
99	Analysis of genomic rearrangements in macrophages dissected from human atherosclerotic plaques. Atherosclerosis, 2017, 263, e278.	0.8	0
100	Concomitant 3q13.31 Microdeletion and Ring Chromosome 22 in a Patient with Severe Developmental Delay, Ventriculomegaly, and Dandy-walker Malformation. European Psychiatry, 2017, 41, S167-S167.	0.2	0
101	Markers of the individual radiosensitivity of human extraembryonic cells in vitro. Russian Journal of Genetics: Applied Research, 2017, 7, 203-204.	0.4	0
102	Genomic alterations in cells involved in the atherosclerotic process. Atherosclerosis, 2018, 275, e134.	0.8	0
103	Assessment Of Sfmbt1, Prkra, And Erlin1 Copy Number Variations In Patients With Carotid Atherosclerosis Using Droplet Digital Pcr. Atherosclerosis, 2019, 287, e165-e166.	0.8	0
104	Generation of two induced pluripotent stem cell lines from peripheral blood mononuclear cells of a patient with Wilsonâ€™s disease. Stem Cell Research, 2020, 47, 101922.	0.7	0
105	Effect of the THBS1 Gene Knockout on the Radiation-Induced Cellular Response in a Model System In Vitro. Russian Journal of Genetics, 2020, 56, 618-626.	0.6	0
106	Estimation of the Prevalence and Parental Origin of Chromosomal Microdeletions and Microduplications Affecting the CNTN6 Gene in Patients with Neurodevelopmental Disorders and Healthy Individuals. Russian Journal of Genetics, 2021, 57, 972-977.	0.6	0
107	Runs of homozygosity in spontaneous abortions from families with recurrent pregnancy loss. Vavilovskii Zhurnal Genetiki I Selektsii, 2019, 23, 244-249.	1.1	0
108	Molecular cytogenetics of recurrent missed abortions. Indian Journal of Medical Research, 2006, 124, 9-10.	1.0	0