

Victor V Lobanenkov

List of Publications by Year in descending order

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102
papers

14,563
citations

30070

54
h-index

43889

91
g-index

106
all docs

106
docs citations

106
times ranked

15523
citing authors

#	ARTICLE	IF	CITATIONS
1	Histone modifications at human enhancers reflect global cell-type-specific gene expression. <i>Nature</i> , 2009, 459, 108-112.	27.8	2,225
2	Chromatin architecture reorganization during stem cell differentiation. <i>Nature</i> , 2015, 518, 331-336.	27.8	1,442
3	A map of the cis-regulatory sequences in the mouse genome. <i>Nature</i> , 2012, 488, 116-120.	27.8	1,306
4	Analysis of the Vertebrate Insulator Protein CTCF-Binding Sites in the Human Genome. <i>Cell</i> , 2007, 128, 1231-1245.	28.9	910
5	CTCF is a uniquely versatile transcription regulator linked to epigenetics and disease. <i>Trends in Genetics</i> , 2001, 17, 520-527.	6.7	533
6	An Exceptionally Conserved Transcriptional Repressor, CTCF, Employs Different Combinations of Zinc Fingers To Bind Diverged Promoter Sequences of Avian and Mammalian <i>c-myc</i> Oncogenes. <i>Molecular and Cellular Biology</i> , 1996, 16, 2802-2813.	2.3	492
7	CTCF binding at the H19 imprinting control region mediates maternally inherited higher-order chromatin conformation to restrict enhancer access to <i>Igf2</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 10684-10689.	7.1	465
8	Functional association of CTCF with the insulator upstream of the H19 gene is parent of origin-specific and methylation-sensitive. <i>Current Biology</i> , 2000, 10, 853-856.	3.9	422
9	BORIS, a novel male germ-line-specific protein associated with epigenetic reprogramming events, shares the same 11-zinc-finger domain with CTCF, the insulator protein involved in reading imprinting marks in the soma. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 6806-6811.	7.1	319
10	CTCF-binding sites flank CTG/CAG repeats and form a methylation-sensitive insulator at the DM1 locus. <i>Nature Genetics</i> , 2001, 28, 335-343.	21.4	301
11	Poly(ADP-ribosylation) regulates CTCF-dependent chromatin insulation. <i>Nature Genetics</i> , 2004, 36, 1105-1110.	21.4	282
12	A Genome-wide Map of CTCF Multivalency Redefines the CTCF Code. <i>Cell Reports</i> , 2013, 3, 1678-1689.	6.4	270
13	The novel BORIS + CTCF gene family is uniquely involved in the epigenetics of normal biology and cancer. <i>Seminars in Cancer Biology</i> , 2002, 12, 399-414.	9.6	245
14	CTCF is conserved from <i>Drosophila</i> to humans and confers enhancer blocking of the <i>Fabp8</i> insulator. <i>EMBO Reports</i> , 2005, 6, 165-170.	4.5	215
15	Dual role of DNA methylation inside and outside of CTCF-binding regions in the transcriptional regulation of the telomerase <i>hTERT</i> gene. <i>Nucleic Acids Research</i> , 2007, 35, 1245-1256.	14.5	180
16	Conditional Expression of the CTCF-Paralogous Transcriptional Factor BORIS in Normal Cells Results in Demethylation and Derepression of <i>MAGE-A1</i> and Reactivation of Other Cancer-Testis Genes. <i>Cancer Research</i> , 2005, 65, 7751-7762.	0.9	177
17	Reciprocal Binding of CTCF and BORIS to the <i>NY-ESO-1</i> Promoter Coincides with Derepression of this Cancer-Testis Gene in Lung Cancer Cells. <i>Cancer Research</i> , 2005, 65, 7763-7774.	0.9	168
18	CTCF mediates chromatin looping via N-terminal domain-dependent cohesin retention. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 2020-2031.	7.1	156

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19	CTCF Haploinsufficiency Destabilizes DNA Methylation and Predisposes to Cancer. <i>Cell Reports</i> , 2014, 7, 1020-1029.	6.4	154
20	Does CTCF mediate between nuclear organization and gene expression?. <i>BioEssays</i> , 2010, 32, 37-50.	2.5	150
21	CTCF Interacts with and Recruits the Largest Subunit of RNA Polymerase II to CTCF Target Sites Genome-Wide. <i>Molecular and Cellular Biology</i> , 2007, 27, 1631-1648.	2.3	144
22	Mutation of a Single CTCF Target Site within the <i>H19</i> Imprinting Control Region Leads to Loss of <i>Igf2</i> Imprinting and Complex Patterns of De Novo Methylation upon Maternal Inheritance. <i>Molecular and Cellular Biology</i> , 2004, 24, 3497-3504.	2.3	142
23	Tumor-associated zinc finger mutations in the CTCF transcription factor selectively alter tts DNA-binding specificity. <i>Cancer Research</i> , 2002, 62, 48-52.	0.9	141
24	The nucleotides responsible for the direct physical contact between the chromatin insulator protein CTCF and the <i>H19</i> imprinting control region manifest parent of origin-specific long-distance insulation and methylation-free domains. <i>Genes and Development</i> , 2003, 17, 586-590.	5.9	137
25	Transcriptional repression by the insulator protein CTCF involves histone deacetylases. <i>Nucleic Acids Research</i> , 2000, 28, 1707-1713.	14.5	132
26	A widely expressed transcription factor with multiple DNA sequence specificity, CTCF, is localized at chromosome segment 16q22.1 within one of the smallest regions of overlap for common deletions in breast and prostate cancers. <i>Genes Chromosomes and Cancer</i> , 1998, 22, 26-36.	2.8	121
27	The Binding Sites for the Chromatin Insulator Protein CTCF Map to DNA Methylation-Free Domains Genome-Wide. <i>Genome Research</i> , 2004, 14, 1594-1602.	5.5	121
28	Negative Protein 1, Which Is Required for Function of the Chicken Lysozyme Gene Silencer in Conjunction with Hormone Receptors, Is Identical to the Multivalent Zinc Finger Repressor CTCF. <i>Molecular and Cellular Biology</i> , 1997, 17, 1281-1288.	2.3	119
29	CTCF binds the proximal exonic region of hTERT and inhibits its transcription. <i>Nucleic Acids Research</i> , 2005, 33, 6850-6860.	14.5	115
30	Chromatin Architecture near a Potential 3' End of the Igh Locus Involves Modular Regulation of Histone Modifications during B-Cell Development and In Vivo Occupancy at CTCF Sites. <i>Molecular and Cellular Biology</i> , 2005, 25, 1511-1525.	2.3	112
31	Maternal depletion of CTCF reveals multiple functions during oocyte and preimplantation embryo development. <i>Development (Cambridge)</i> , 2008, 135, 2729-2738.	2.5	112
32	Loss of Maternal CTCF Is Associated with Peri-Implantation Lethality of Ctf Null Embryos. <i>PLoS ONE</i> , 2012, 7, e34915.	2.5	106
33	Coordinated Activation of Candidate Proto-Oncogenes and Cancer Testes Antigens via Promoter Demethylation in Head and Neck Cancer and Lung Cancer. <i>PLoS ONE</i> , 2009, 4, e4961.	2.5	101
34	Rasgrf1 Imprinting Is Regulated by a CTCF-Dependent Methylation-Sensitive Enhancer Blocker. <i>Molecular and Cellular Biology</i> , 2005, 25, 11184-11190.	2.3	96
35	Familial cases of point mutations in the XIST promoter reveal a correlation between CTCF binding and pre-emptive choices of X chromosome inactivation. <i>Human Molecular Genetics</i> , 2005, 14, 953-965.	2.9	95
36	Expression of the CTCF-paralogous cancer-testis gene, brother of the regulator of imprinted sites (BORIS), is regulated by three alternative promoters modulated by CpG methylation and by CTCF and p53 transcription factors. <i>Nucleic Acids Research</i> , 2007, 35, 7372-7388.	14.5	94

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37	Dynamic chromatin states in human ES cells reveal potential regulatory sequences and genes involved in pluripotency. <i>Cell Research</i> , 2011, 21, 1393-1409.	12.0	91
38	Heightened Expression of CTCF in Breast Cancer Cells Is Associated with Resistance to Apoptosis. <i>Cancer Research</i> , 2005, 65, 5112-5122.	0.9	90
39	Functional Phosphorylation Sites in the C-Terminal Region of the Multivalent Multifunctional Transcriptional Factor CTCF. <i>Molecular and Cellular Biology</i> , 2001, 21, 2221-2234.	2.3	89
40	BORIS, a paralogue of the transcription factor, CTCF, is aberrantly expressed in breast tumours. <i>British Journal of Cancer</i> , 2008, 98, 571-579.	6.4	87
41	Physical and Functional Interaction between Two Pluripotent Proteins, the Y-box DNA/RNA-binding Factor, YB-1, and the Multivalent Zinc Finger Factor, CTCF. <i>Journal of Biological Chemistry</i> , 2000, 275, 29915-29921.	3.4	86
42	Allele-Specific Binding of CTCF to the Multipartite Imprinting Control Region KvDMR1. <i>Molecular and Cellular Biology</i> , 2007, 27, 2636-2647.	2.3	85
43	A Differentially Methylated Imprinting Control Region within the <i>Kcnq1</i> Locus Harbors a Methylation-sensitive Chromatin Insulator. <i>Journal of Biological Chemistry</i> , 2002, 277, 18106-18110.	3.4	84
44	Comparative analyses of CTCF and BORIS occupancies uncover two distinct classes of CTCF binding genomic regions. <i>Genome Biology</i> , 2015, 16, 161.	8.8	83
45	CpG methylation regulates the <i>Igf2/H19</i> insulator. <i>Current Biology</i> , 2001, 11, 1128-1130.	3.9	80
46	Thyroid hormone-regulated enhancer blocking: cooperation of CTCF and thyroid hormone receptor. <i>EMBO Journal</i> , 2003, 22, 1579-1587.	7.8	78
47	Expression of a Testis-Specific Form of <i>Gal3st1</i> (<i>CST</i>), a Gene Essential for Spermatogenesis, Is Regulated by the <i>CTCF</i> Paralogous Gene <i>BORIS</i> . <i>Molecular and Cellular Biology</i> , 2010, 30, 2473-2484.	2.3	69
48	Human gamma-satellite DNA maintains open chromatin structure and protects a transgene from epigenetic silencing. <i>Genome Research</i> , 2009, 19, 533-544.	5.5	67
49	Genome wide ChIP-chip analyses reveal important roles for CTCF in <i>Drosophila</i> genome organization. <i>Developmental Biology</i> , 2009, 328, 518-528.	2.0	65
50	Global Expression Analysis of Cancer/Testis Genes in Uterine Cancers Reveals a High Incidence of BORIS Expression. <i>Clinical Cancer Research</i> , 2007, 13, 1713-1719.	7.0	64
51	Negative Transcriptional Regulation Mediated by Thyroid Hormone Response Element 144 Requires Binding of the Multivalent Factor CTCF to a Novel Target DNA Sequence. <i>Journal of Biological Chemistry</i> , 1999, 274, 27092-27098.	3.4	63
52	BORIS/CTCFL-mediated transcriptional regulation of the hTERT telomerase gene in testicular and ovarian tumor cells. <i>Nucleic Acids Research</i> , 2011, 39, 862-873.	14.5	63
53	CTCF functions as a critical regulator of cell-cycle arrest and death after ligation of the B cell receptor on immature B cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 633-638.	7.1	61
54	Characterisation of chicken erythroid nuclear proteins which bind to the nuclease hypersensitive regions upstream of the β^A - and β^H -globin genes. <i>Nucleic Acids Research</i> , 1986, 14, 7675-7693.	14.5	58

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55	The Structural Complexity of the Human BORIS Gene in Gametogenesis and Cancer. <i>PLoS ONE</i> , 2010, 5, e13872.	2.5	57
56	Molecular weight abnormalities of the CTCF transcription factor: CTCF migrates aberrantly in SDS-PAGE and the size of the expressed protein is affected by the UTRs and sequences within the coding region of the CTCF gene. <i>Nucleic Acids Research</i> , 1997, 25, 466-474.	14.5	56
57	The effect of neighbouring bases on G-specific DNA cleavage mediated by treatment with the anti-diol epoxide of benzo(a)pyrene in vitro. <i>Carcinogenesis</i> , 1986, 7, 1689-1695.	2.8	55
58	Multiple Nucleosome Positioning Sites Regulate the CTCF-Mediated Insulator Function of the H19 Imprinting Control Region. <i>Molecular and Cellular Biology</i> , 2002, 22, 3339-3344.	2.3	48
59	The Potential of BORIS Detected in the Leukocytes of Breast Cancer Patients as an Early Marker of Tumorigenesis. <i>Clinical Cancer Research</i> , 2006, 12, 5978-5986.	7.0	41
60	Antitumor efficacy of DNA vaccination to the epigenetically acting tumor promoting transcription factor BORIS and CD80 molecular adjuvant. <i>Journal of Cellular Biochemistry</i> , 2006, 98, 1037-1043.	2.6	38
61	Evolutionary Diversification of SPANX-N Sperm Protein Gene Structure and Expression. <i>PLoS ONE</i> , 2007, 2, e359.	2.5	37
62	Dynamic association of the mammalian insulator protein CTCF with centrosomes and the midbody. <i>Experimental Cell Research</i> , 2004, 294, 86-93.	2.6	36
63	A CTCF-binding silencer regulates the imprinted genes AWT1 and WT1-AS and exhibits sequential epigenetic defects during Wilms' tumourigenesis. <i>Human Molecular Genetics</i> , 2007, 16, 343-354.	2.9	36
64	The cancer-associated CTCFL/BORIS protein targets multiple classes of genomic repeats, with a distinct binding and functional preference for humanoid-specific SVA transposable elements. <i>Epigenetics and Chromatin</i> , 2016, 9, 35.	3.9	33
65	Epigenetic variability and the evolution of human cancer. <i>Advances in Cancer Research</i> , 2003, 88, 145-168.	5.0	31
66	Transcription Factor BORIS (Brother of the Regulator of Imprinted Sites) Directly Induces Expression of a Cancer-Testis Antigen, TSP50, through Regulated Binding of BORIS to the Promoter. <i>Journal of Biological Chemistry</i> , 2011, 286, 27378-27388.	3.4	31
67	Cancer-testis antigen, BORIS based vaccine delivered by dendritic cells is extremely effective against a very aggressive and highly metastatic mouse mammary carcinoma. <i>Cellular Immunology</i> , 2011, 270, 188-197.	3.0	30
68	Elicitation of T Cell Responses to Histologically Unrelated Tumors by Immunization with the Novel Cancer-Testis Antigen, Brother of the Regulator of Imprinted Sites. <i>Journal of Immunology</i> , 2007, 178, 566-573.	0.8	28
69	PAX5 activates the transcription of the human telomerase reverse transcriptase gene in B cells. <i>Journal of Pathology</i> , 2010, 220, 87-96.	4.5	28
70	DNA, but not protein vaccine based on mutated BORIS antigen significantly inhibits tumor growth and prolongs the survival of mice. <i>Gene Therapy</i> , 2008, 15, 61-64.	4.5	27
71	Cloning and characterization of zebrafish CTCF: Developmental expression patterns, regulation of the promoter region, and evolutionary aspects of gene organization. <i>Gene</i> , 2006, 375, 26-36.	2.2	26
72	A Novel Mechanism for CTCF in the Epigenetic Regulation of Bax in Breast Cancer Cells. <i>Neoplasia</i> , 2013, 15, 898-IN14.	5.3	26

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73	<i>BORIS</i> Expression in Ovarian Cancer Precursor Cells Alters the CTCF Cistrome and Enhances Invasiveness through <i>GALNT14</i> . <i>Molecular Cancer Research</i> , 2019, 17, 2051-2062.	3.4	25
74	Sequence-specific DNA-binding proteins which interact with (G + C)-rich sequences flanking the chicken c-myc gene. <i>FEBS Journal</i> , 1986, 159, 181-188.	0.2	23
75	Characterization of the Chicken CTCF Genomic Locus, and Initial Study of the Cell Cycle-regulated Promoter of the Gene. <i>Journal of Biological Chemistry</i> , 1998, 273, 26571-26579.	3.4	23
76	Isolation of a cDNA clone encoding the RNASE-superfamily-related gene highly expressed in chicken bone marrow cells. <i>Biochemical and Biophysical Research Communications</i> , 1992, 185, 231-239.	2.1	21
77	Discovering a binary CTCF code with a little help from BORIS. <i>Nucleus</i> , 2018, 9, 33-41.	2.2	20
78	The combined action of CTCF and its testis-specific paralog BORIS is essential for spermatogenesis. <i>Nature Communications</i> , 2021, 12, 3846.	12.8	18
79	CTCF Expression is Essential for Somatic Cell Viability and Protection Against Cancer. <i>International Journal of Molecular Sciences</i> , 2018, 19, 3832.	4.1	17
80	Testis-specific transcriptional regulators selectively occupy BORIS-bound CTCF target regions in mouse male germ cells. <i>Scientific Reports</i> , 2017, 7, 41279.	3.3	15
81	The distribution of nuclear proteins and transcriptionally-active sequences in rat liver chromatin fractions. <i>Experimental Cell Research</i> , 1986, 167, 391-399.	2.6	14
82	Differential regulation of MAGE-A1 promoter activity by BORIS and Sp1, both interacting with the TATA binding protein. <i>BMC Cancer</i> , 2014, 14, 796.	2.6	14
83	Transcriptional Regulator CTCF Controls Human Interleukin 1 Receptor-associated Kinase 2 Promoter. <i>Journal of Molecular Biology</i> , 2005, 346, 411-422.	4.2	10
84	Conference Scene: Environmental epigenomics and disease susceptibility. <i>Epigenomics</i> , 2011, 3, 261-266.	2.1	10
85	TGGCA protein is present in erythroid nuclei and binds within the nuclease-hypersensitive sites 5' of the chicken betaH- and betaA-globin genes. <i>FEBS Journal</i> , 1988, 177, 505-511.	0.2	8
86	Multiple cis Elements within the <i>l</i> gf2/H19 Insulator Domain Organize a Distance-dependent Silencer. <i>Journal of Biological Chemistry</i> , 2002, 277, 5707-5710.	3.4	4
87	The downregulation of putative anticancer target BORIS/CTCF in an addicted myeloid cancer cell line modulates the expression of multiple protein coding and ncRNA genes. <i>Oncotarget</i> , 2017, 8, 73448-73468.	1.8	4
88	A liver-specific nuclear protein that binds to the distal promoter element of the rat tyrosine aminotransferase gene. <i>FEBS Letters</i> , 1989, 243, 318-322.	2.8	2
89	Fractionation of chromatin based on strength of binding with the matrix. <i>Bulletin of Experimental Biology and Medicine</i> , 1980, 89, 136-138.	0.8	1
90	Interspecies Comparative Genomic Hybridization (I-CGH): A New Twist to Study Animal Tumor Models. <i>Cell Cycle</i> , 2007, 6, 836-842.	2.6	1

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91	A widely expressed transcription factor with multiple DNA sequence specificity, CTCF, is localized at chromosome segment 16q22.1 within one of the smallest regions of overlap for common deletions in breast and prostate cancers. , 0, .		1
92	BORIS. , 2014, , 1-6.		1
93	Abstract LB-319: A novel cancer-testis antigen, BORIS-based vaccine delivered by dendritic cells is effective against metastatic disease. , 2010, , .		0
94	BORIS. , 2011, , 452-458.		0
95	Abstract 2043: BORIS directly regulates in vivo expression of the cancer testis antigen, testes-specific protease 50 (TSP50). , 2011, , .		0
96	Abstract 5001: BORIS and MageA expression correlate positively in melanoma. , 2011, , .		0
97	CCCTC-Binding Factor. , 2015, , 1-6.		0
98	CCCTC-Binding Factor. , 2015, , 837-842.		0
99	BORIS. , 2017, , 581-586.		0
100	The systematic study on the epigenomics of mei-Cohesins in the norm and as Cancer-Testis proteins. Biopolymers and Cell, 2019, 35, 193-194.	0.4	0
101	BORIS. , 2008, , 392-396.		0
102	CCCTC-Binding Factor. , 2008, , 534-538.		0