

# 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	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
2	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
3	<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
4	The systematic study on the epigenomics of mei-Cohesins in the norm and as Cancer-Testis proteins. <i>Biopolymers and Cell</i> , 2019, 35, 193-194.	0.4	0
5	Discovering a binary CTCF code with a little help from BORIS. <i>Nucleus</i> , 2018, 9, 33-41.	2.2	20
6	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
7	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
8	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
9	BORIS. , 2017, , 581-586.		0
10	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
11	Chromatin architecture reorganization during stem cell differentiation. <i>Nature</i> , 2015, 518, 331-336.	27.8	1,442
12	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
13	CCCTC-Binding Factor. , 2015, , 1-6.		0
14	CCCTC-Binding Factor. , 2015, , 837-842.		0
15	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
16	CTCF Haploinsufficiency Destabilizes DNA Methylation and Predisposes to Cancer. <i>Cell Reports</i> , 2014, 7, 1020-1029.	6.4	154
17	BORIS. , 2014, , 1-6.		1
18	A Genome-wide Map of CTCF Multivalency Redefines the CTCF Code. <i>Cell Reports</i> , 2013, 3, 1678-1689.	6.4	270

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19	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
20	A map of the cis-regulatory sequences in the mouse genome. <i>Nature</i> , 2012, 488, 116-120.	27.8	1,306
21	Loss of Maternal CTCF Is Associated with Peri-Implantation Lethality of Ctf Null Embryos. <i>PLoS ONE</i> , 2012, 7, e34915.	2.5	106
22	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
23	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
24	Conference Scene: Environmental epigenomics and disease susceptibility. <i>Epigenomics</i> , 2011, 3, 261-266.	2.1	10
25	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
26	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
27	BORIS. , 2011, , 452-458.		0
28	Abstract 2043: BORIS directly regulates in vivo expression of the cancer testis antigen, testes-specific protease 50 (TSP50). , 2011, , .		0
29	Abstract 5001: BORIS and MageA expression correlate positively in melanoma. , 2011, , .		0
30	Does CTCF mediate between nuclear organization and gene expression?. <i>BioEssays</i> , 2010, 32, 37-50.	2.5	150
31	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
32	The Structural Complexity of the Human BORIS Gene in Gametogenesis and Cancer. <i>PLoS ONE</i> , 2010, 5, e13872.	2.5	57
33	Expression of a Testis-Specific Form of <i>Cal3st1</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
34	Abstract LB-319: A novel cancer-testis antigen, BORIS-based vaccine delivered by dendritic cells is effective against metastatic disease. , 2010, , .		0
35	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
36	Histone modifications at human enhancers reflect global cell-type-specific gene expression. <i>Nature</i> , 2009, 459, 108-112.	27.8	2,225

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37	Genome wide ChIP-chip analyses reveal important roles for CTCF in Drosophila genome organization. <i>Developmental Biology</i> , 2009, 328, 518-528.	2.0	65
38	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
39	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
40	Maternal depletion of CTCF reveals multiple functions during oocyte and preimplantation embryo development. <i>Development (Cambridge)</i> , 2008, 135, 2729-2738.	2.5	112
41	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
42	BORIS. , 2008, , 392-396.		0
43	CCCTC-Binding Factor. , 2008, , 534-538.		0
44	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
45	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
46	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
47	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
48	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
49	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
50	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
51	Analysis of the Vertebrate Insulator Protein CTCF-Binding Sites in the Human Genome. <i>Cell</i> , 2007, 128, 1231-1245.	28.9	910
52	Dual role of DNA methylation inside and outside of CTCF-binding regions in the transcriptional regulation of the telomerase hTERT gene. <i>Nucleic Acids Research</i> , 2007, 35, 1245-1256.	14.5	180
53	Evolutionary Diversification of SPANX-N Sperm Protein Gene Structure and Expression. <i>PLoS ONE</i> , 2007, 2, e359.	2.5	37
54	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

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55	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
56	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
57	CTCF binding at the H19 imprinting control region mediates maternally inherited higher-order chromatin conformation to restrict enhancer access to Igf2. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 10684-10689.	7.1	465
58	CTCF is conserved from <i>Drosophila</i> to humans and confers enhancer blocking of the Fabp8 insulator. <i>EMBO Reports</i> , 2005, 6, 165-170.	4.5	215
59	Reciprocal Binding of CTCF and BORIS to the NY-ESO-1 Promoter Coincides with Derepression of this Cancer-Testis Gene in Lung Cancer Cells. <i>Cancer Research</i> , 2005, 65, 7763-7774.	0.9	168
60	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
61	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
62	Conditional Expression of the CTCF-Paralogous Transcriptional Factor BORIS in Normal Cells Results in Demethylation and Derepression of MAGE-A1 and Reactivation of Other Cancer-Testis Genes. <i>Cancer Research</i> , 2005, 65, 7751-7762.	0.9	177
63	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
64	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
65	CTCF binds the proximal exonic region of hTERT and inhibits its transcription. <i>Nucleic Acids Research</i> , 2005, 33, 6850-6860.	14.5	115
66	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
67	Mutation of a Single CTCF Target Site within the H19 Imprinting Control Region Leads to Loss of Igf2 Imprinting and Complex Patterns of De Novo Methylation upon Maternal Inheritance. <i>Molecular and Cellular Biology</i> , 2004, 24, 3497-3504.	2.3	142
68	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
69	Poly(ADP-ribosyl)ation regulates CTCF-dependent chromatin insulation. <i>Nature Genetics</i> , 2004, 36, 1105-1110.	21.4	282
70	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
71	Thyroid hormone-regulated enhancer blocking: cooperation of CTCF and thyroid hormone receptor. <i>EMBO Journal</i> , 2003, 22, 1579-1587.	7.8	78
72	Epigenetic variability and the evolution of human cancer. <i>Advances in Cancer Research</i> , 2003, 88, 145-168.	5.0	31

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73	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
74	The nucleotides responsible for the direct physical contact between the chromatin insulator protein CTCF and the H19 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
75	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
76	A Differentially Methylated Imprinting Control Region within the Kcnq1 Locus Harbors a Methylation-sensitive Chromatin Insulator. <i>Journal of Biological Chemistry</i> , 2002, 277, 18106-18110.	3.4	84
77	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
78	Multiple cis Elements within the Igf2/H19 Insulator Domain Organize a Distance-dependent Silencer. <i>Journal of Biological Chemistry</i> , 2002, 277, 5707-5710.	3.4	4
79	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
80	Tumor-associated zinc finger mutations in the CTCF transcription factor selectively alter its DNA-binding specificity. <i>Cancer Research</i> , 2002, 62, 48-52.	0.9	141
81	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
82	CTCF is a uniquely versatile transcription regulator linked to epigenetics and disease. <i>Trends in Genetics</i> , 2001, 17, 520-527.	6.7	533
83	CpG methylation regulates the Igf2/H19 insulator. <i>Current Biology</i> , 2001, 11, 1128-1130.	3.9	80
84	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
85	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
86	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
87	Transcriptional repression by the insulator protein CTCF involves histone deacetylases. <i>Nucleic Acids Research</i> , 2000, 28, 1707-1713.	14.5	132
88	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
89	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
90	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

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91	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
92	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
93	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
94	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
95	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
96	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
97	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
98	Sequence-specific DNA-binding proteins which interact with (G + C)-rich sequences flanking the chicken <i>c-myc</i> gene. <i>FEBS Journal</i> , 1986, 159, 181-188.	0.2	23
99	Characterisation of chicken erythroid nuclear proteins which bind to the nuclease hypersensitive regions upstream of the $\beta^A$ - and $\beta^H$ -globin genes. <i>Nucleic Acids Research</i> , 1986, 14, 7675-7693.	14.5	58
100	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
101	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
102	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