Alexandra Belayew

List of Publications by Year
in descending order

85 papers	4,903 citations	109137 35 h-index	95083 68 g-index
89 all docs	89 docs citations	89 times ranked	3273 citing authors

#	Article	IF	Citations
1	Transcriptional control of the murine albumin/alpha-fetoprotein locus during development.. Proceedings of the National Academy of Sciences of the United States of America, 1982, 79, 5254-5257.	3.3	347
2	<i>DUX4</i> , a candidate gene of facioscapulohumeral muscular dystrophy, encodes a transcriptional activator of <i>PITX1</i>. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 18157-18162.	3.3	321
3	Nucleotide sequence of the partially deleted D4Z4 locus in a patient with FSHD identifies a putative gene within each 3.3 kb element. Gene, 1999, 236, 25-32.	1.0	307
4	The DUX4 gene at the FSHD1A locus encodes a pro-apoptotic protein. Neuromuscular Disorders, 2007, 17, 611-623.	0.3	286
5	Locus unlinked to alpha-fetoprotein under the control of the murine raf and Rif genes.. Proceedings of the National Academy of Sciences of the United States of America, 1984, 81, 5523-5527.	3.3	285
6	An isogenetic myoblast expression screen identifies DUX4-mediated FSHD-associated molecular pathologies. EMBO Journal, 2008, 27, 2766-2779.	3.5	272
7	<i>DUX4</i>, a candidate gene for facioscapulohumeral muscular dystrophy, causes p53â€dependent myopathy in vivo. Annals of Neurology, 2011, 69, 540-552.	2.8	208
8	The Human Genome Contains Hundreds of Genes Coding for Finger Proteins of the KrÃ¼ppel Type. DNA and Cell Biology, 1989, 8, 377-387.	5.1	204
9	The FSHD Atrophic Myotube Phenotype Is Caused by DUX4 Expression. PLoS ONE, 2011, 6, e26820.	1.1	146
10	Isolation and characterization of the human prolactin gene.. EMBO Journal, 1984, 3, 429-437.	3.5	140
11	Genetic analysis of alpha-fetoprotein synthesis in mice.. Molecular and Cellular Biology, 1982, 2, 1427-1435.	1.1	139
12	Facioscapulohumeral muscular dystrophy (FSHD): an enigma unravelled?. Human Genetics, 2012, 131, 325-340.	1.8	128
13	<scp>DUX</scp>4 expression in <scp>FSHD</scp> muscle cells: how could such a rare protein cause a myopathy?. Journal of Cellular and Molecular Medicine, 2013, 17, 76-89.	1.6	120
14	Functional muscle impairment in facioscapulohumeral muscular dystrophy is correlated with oxidative stress and mitochondrial dysfunction. Free Radical Biology and Medicine, 2012, 53, 1068-1079.	1.3	106
15	DUX4c, an FSHD candidate gene, interferes with myogenic regulators and abolishes myoblast differentiation. Experimental Neurology, 2008, 214, 87-96.	2.0	77
16	Pituitary-Specific Factor Binding to the Human Prolactin, Growth Hormone, and Placental Lactogen Genes. DNA and Cell Biology, 1989, 8, 149-159.	5.1	68
17	Multihormonal regulation of the human prolactin gene expression from 5000 bp of its upstream sequence. Molecular and Cellular Endocrinology, 1991, 80, 53-64.	1.6	68
18	Functional Interactions between Sp1 or Sp3 and the Helicase-like Transcription Factor Mediate Basal Expression from the Human Plasminogen Activator Inhibitor-1 Gene. Journal of Biological Chemistry, 1999, 274, 19573-19580.	1.6	66

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19	Defective Regulation of MicroRNA Target Genes in Myoblasts from Facioscapulohumeral Dystrophy Patients. Journal of Biological Chemistry, 2013, 288, 34989-35002.	1.6	61
20	DUX4 Differentially Regulates Transcriptomes of Human Rhabdomyosarcoma and Mouse C2C12 Cells. PLoS ONE, 2013, 8, e64691.	1.1	55
21	Transcriptional induction of the human prolactin gene by cAMP requires two cis-acting elements and at least the pituitary-specific factor Pit-1. Journal of Biological Chemistry, 1991, 266, 18127-34.	1.6	54
22	Thyroid hormone receptors bind to defined regions of the growth hormone and placental lactogen genes.. Proceedings of the National Academy of Sciences of the United States of America, 1986, 83, 9021-9025.	3.3	53
23	Thyrotropin-releasing hormone and epidermal growth factor induce human prolactin expression via identical multiple cis elements. Molecular and Cellular Endocrinology, 1993, 92, 1-7.	1.6	53
24	Nonisotopic Quantitative Analysis of Proteinâ€"DNA Interactions at Equilibrium. Analytical Biochemistry, 1997, 250, 181-185.	1.1	53
25	A New Peptidic Vector for Molecular Imaging of Apoptosis, Identified by Phage Display Technology. Journal of Biomolecular Screening, 2006, 11, 537-545.	2.6	53
26	Retinoic Acid Induction of Human Tissue-type Plasminogen Activator Gene Expression via a Direct Repeat Element (DR5) Located at âˆ'7 Kilobases. Journal of Biological Chemistry, 1995, 270, 7167-7175.	1.6	52
27	Antisense Oligonucleotides Used to Target the DUX4 mRNA as Therapeutic Approaches in FaciosScapuloHumeral Muscular Dystrophy (FSHD). Genes, 2017, 8, 93.	1.0	51
28	DUX4c Is Up-Regulated in FSHD. It Induces the MYF5 Protein and Human Myoblast Proliferation. PLoS ONE, 2009, 4, e7482.	1.1	49
29	Glucocorticoid receptors bound to the antagonist RU486 are not downregulated despite their capacity to interact in vitro with defined gene regions. The Journal of Steroid Biochemistry, 1987, 26, 513-520.	1.3	48
30	Characterization of a Double Homeodomain Protein (DUX1) Encoded by a cDNA Homologous to 3.3 Kb Dispersed Repeated Elements. Human Molecular Genetics, 1998, 7, 1681-1694.	1.4	48
31	The Helicase-Like Transcription Factor and its implication in cancer progression. Cellular and Molecular Life Sciences, 2008, 65, 591-604.	2.4	48
32	Characterization of a Helicase-Like Transcription Factor Involved in the Expression of the Human Plasminogen Activator Inhibitor-1 Gene. DNA and Cell Biology, 1996, 15, 429-442.	0.9	44
33	Identification of a Multihormone Responsive Enhancer Far Upstream from the Human Tissue-type Plasminogen Activator Gene. Journal of Biological Chemistry, 1997, 272, 663-671.	1.6	41
34	Pit-1 Binding Sequences Permit Calcium Regulation of Human Prolactin Gene Expression. Molecular Endocrinology, 1991, 5, 1748-1754.	3.7	39
35	Active genes in junk DNA? Characterization of DUX genes embedded within 3.3 kb repeated elements. Gene, 2001, 264, 51-57.	1.0	38
36	Discrepancy between Prolactin (PRL) Messenger Ribonucleic Acid and PRL Content in Rat Fetal Pituitary Cells: Possible Role of Dopamine. Molecular Endocrinology, 1988, 2, 1163-1168.	3.7	34

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37	Binding of a 100-kDa ubiquitous factor to the human prolactin promoter is required for its basal and hormone-regulated activity. FEBS Journal, 1992, 210, 53-58.	0.2	34
38	The Transcriptional Regulation of the Growth Hormone Gene Is Conserved in Vertebrate Evolution. Biochemical and Biophysical Research Communications, 1993, 192, 1360-1366.	1.0	33
39	The helicase-like transcription factorÂ(HLTF) in cancer: loss of function or oncomorphic conversion of a tumor suppressor?. Cellular and Molecular Life Sciences, 2016, 73, 129-145.	2.4	31
40	FSHD Myotubes with Different Phenotypes Exhibit Distinct Proteomes. PLoS ONE, 2012, 7, e51865.	1.1	29
41	Effects of chemopreventive natural products on non-homologous end-joining DNA double-strand break repair. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2014, 768, 33-41.	0.9	28
42	Binding of the Human Glucocorticoid Receptor to Defined Regions in the Human Growth Hormone and Placental Lactogen Genes. DNA and Cell Biology, 1985, 4, 409-417.	5.1	27
43	The Enhancers of the Human Placental Lactogen B, A, and L Genes: Progressive Activation DuringIn VitroTrophoblast Differentiation and Importance of the DF-3 Element in Determining Their Respective Activities. DNA and Cell Biology, 1996, 15, 845-854.	0.9	27
44	Homologous Transcription Factors DUX4 and DUX4c Associate with Cytoplasmic Proteins during Muscle Differentiation. PLoS ONE, 2016, 11, e0146893.	1.1	26
45	Structure of the Tilapia (<i>Oreochromis mossambicus</i>) Prolactin I Gene. DNA and Cell Biology, 1992, 11, 673-684.	0.9	24
46	Dux4 controls migration of mesenchymal stem cells through the Cxcr4-Sdf1 axis. Oncotarget, 2016, 7, 65090-65108.	0.8	24
47	Involvement of Sp1 in basal and retinoic acid induced transcription of the human tissue-type plasminogen activator gene. FEBS Letters, 1999, 456, 149-154.	1.3	23
48	Early expression of the Helicase-Like Transcription Factor (HLTF/SMARCA3) in an experimental model of estrogen-induced renal carcinogenesis. Molecular Cancer, 2006, 5, 23.	7.9	23
49	The KrÃ¼ppel-like Factor 15 as a Molecular Link between Myogenic Factors and a Chromosome 4q Transcriptional Enhancer Implicated in Facioscapulohumeral Dystrophy*. Journal of Biological Chemistry, 2011, 286, 44620-44631.	1.6	21
50	A TEF-1 Binding Motif that Interacts with a Placental Protein Is Important for the Transcriptional Activity of the hCS-B Enhancer. DNA and Cell Biology, 1994, 13, 1037-1045.	0.9	20
51	Hypoxia and Hypoxia-Inducible Factor Signaling in Muscular Dystrophies: Cause and Consequences. International Journal of Molecular Sciences, 2021, 22, 7220.	1.8	20
52	Rapamycin, FK506 and cyclosporin A inhibit human prolactin gene expression. FEBS Letters, 1995, 358, 158-160.	1.3	19
53	The helicaseâ€like transcription factor is a strong predictor of recurrence in hypopharyngeal but not in laryngeal squamous cell carcinomas. Histopathology, 2009, 55, 77-90.	1.6	19
54	The Tilapia Prolactin I Gene: Evolutionary Conservation of the Regulatory Elements Directing Pituitary-Specific Expression. DNA and Cell Biology, 1996, 15, 679-692.	0.9	18

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55	Overexpression of the double homeodomain protein DUX4c interferes with myofibrillogenesis and induces clustering of myonuclei. Skeletal Muscle, 2018, 8, 2.	1.9	18
56	Triiodothyronine inhibits transcription from the human growth hormone promoter. Molecular and Cellular Endocrinology, 1990, 71, 261-267.	1.6	17
57	Structure and Functional Analysis of a Tilapia (Oreochromis mossambicus) Growth Hormone Gene: Activation and Repression by Pituitary Transcription Factor Pit-1. DNA and Cell Biology, 1999, 18, 489-502.	0.9	17
58	Intracellular Trafficking and Dynamics of Double Homeodomain Proteinsâ€. Biochemistry, 2005, 44, 2378-2384.	1.2	17
59	Osteoconductive and Bioresorbable Composites Based on Poly(<scp>l</scp>,<scp>l</scp>-lactide) and Pseudowollastonite: From Synthesis and Interfacial Compatibilization to In Vitro Bioactivity and In Vivo Osseointegration Studies. Biomacromolecules, 2011, 12, 692-700.	2.6	17
60	Pit-1 mediates cell-specific and cAMP-induced transcription of the tilapia GH gene. Molecular and Cellular Endocrinology, 1999, 152, 111-123.	1.6	15
61	Helicase-like transcription factor exhibits increased expression and altered intracellular distribution during tumor progression in hypopharyngeal and laryngeal squamous cell carcinomas. Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin, 2008, 453, 491-499.	1.4	15
62	Far Upstream Sequences Regulate the Human Prolactin Promoter Transcription. Neuroendocrinology, 2000, 71, 124-137.	1.2	14
63	In vitro genotoxicity tests point to an unexpected and harmful effect of a Magnolia and Aristolochia association. Journal of Ethnopharmacology, 2015, 174, 178-186.	2.0	14
64	Aberrant Splicing in Transgenes Containing Introns, Exons, and V5 Epitopes: Lessons from Developing an FSHD Mouse Model Expressing a D4Z4 Repeat with Flanking Genomic Sequences. PLoS ONE, 2015, 10, e0118813.	1.1	13
65	Replication, expression, and fate of foreign DNA during embryonic and larval development of the African catfish (Clarias gariepinus). Molecular Marine Biology and Biotechnology, 1994, 3, 57-69.	0.4	13
66	Characterization and targeting of the murine alpha2-antiplasmin gene. Thrombosis and Haemostasis, 1997, 78, 1104-10.	1.8	13
67	Cyclosporin a, rapamycin and FK506 decrease prolactin release from rat pituitary cells in primary culture. Endocrine Research, 1995, 21, 623-633.	0.6	12
68	1,25-Dihydroxyvitamin D3induction of the tissue-type plasminogen activator gene is mediated through its multihormone-responsive enhancer. FEBS Letters, 1999, 460, 289-296.	1.3	10
69	The Role of D4Z4-Encoded Proteins in the Osteogenic Differentiation of Mesenchymal Stromal Cells Isolated from Bone Marrow. Stem Cells and Development, 2015, 24, 2674-2686.	1.1	10
70	Affinity capillary electrophoresis for identification of active drug candidates in myotonic dystrophy type 1. Analytical and Bioanalytical Chemistry, 2018, 410, 4495-4507.	1.9	10
71	Efficient Lipofection of Human Trophoblast Cells in Primary Cultures. Biochemical and Biophysical Research Communications, 1993, 196, 376-381.	1.0	9
72	Expression of the helicase-like transcription factor and its variants during carcinogenesis of the uterine cervix: implications for tumour progression. Histopathology, 2011, 58, 984-988.	1.6	9

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73	1 Prolactin and growth hormone. Bailliere's Clinical Endocrinology and Metabolism, 1988, 2, 797-834.	1.0	8
74	Helicase-like transcription factor: a new marker of well-differentiated thyroid cancers. BMC Cancer, 2014, 14, 492.	1.1	8
75	Bioactive Aliphatic Polycarbonates Carrying Guanidinium Functions: An Innovative Approach for Myotonic Dystrophy Type 1 Therapy. ACS Omega, 2019, 4, 18126-18135.	1.6	7
76	Cloning of a human GHF-1/Pit-1 cDNA variant. Nucleic Acids Research, 1993, 21, 3584-3584.	6.5	6
77	Induction of a local muscular dystrophy using electroporation in vivo: an easy tool for screening therapeutics. Scientific Reports, 2020, 10, 11301.	1.6	5
78	Extraction and Translation of Collagen mRNA from Fetal Calf Skin. FEBS Journal, 1980, 106, 593-601.	0.2	4
79	Measurement of translesion synthesis by fluorescent capillary electrophoresis: 7,8-Dihydro-8-oxodeoxyguanosine bypass modulation by natural products. Analytical Biochemistry, 2013, 440, 23-31.	1.1	4
80	Helicase-like transcription factor expression is associated with a poor prognosis in Non-Small-Cell Lung Cancer (NSCLC). BMC Cancer, 2018, 18, 429.	1.1	4
81	On-chip microelectrophoresis for the study of in vitro nonhomologous end-joining DNA double-strand break repair. Analytical Biochemistry, 2012, 425, 76-79.	1.1	3
82	Pyrosequencing for the quantitative assessment of 8-oxodG bypass DNA synthesis. DNA Repair, 2014, 22, 147-152.	1.3	2
83	Effects of Chemopreventive Natural Compounds on the Accuracy of 8-oxo-7,8-dihydro-2â€²-deoxyguanosine Translesion Synthesis. Planta Medica, 2021, 87, 868-878.	0.7	0
84	DUX4 transcriptionally regulates pairedâ€like homeodomain transcription factor 1. FASEB Journal, 2007, 21, A182.	0.2	0
85	Effects of natural compounds on the accuracy of 8-oxo-7,8-dihydro-2'-deoxyguanosine translesion synthesis. Planta Medica, 2021, 87, .	0.7	0