

Kevin L Gaston

List of Publications by Year in descending order

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Version: 2024-02-01

70
papers

2,301
citations

218381

26
h-index

223531

46
g-index

71
all docs

71
docs citations

71
times ranked

2355
citing authors

#	ARTICLE	IF	CITATIONS
1	Stringent spacing requirements for transcription activation by CRP. <i>Cell</i> , 1990, 62, 733-743.	13.5	279
2	Mutations that alter the ability of the <i>Escherichia coli</i> cyclic AMP receptor protein to activate transcription. <i>Nucleic Acids Research</i> , 1990, 18, 7243-7250.	6.5	191
3	The Human Papillomavirus (HPV) 16 E2 Protein Induces Apoptosis in the Absence of Other HPV Proteins and via a p53-dependent Pathway. <i>Journal of Biological Chemistry</i> , 2000, 275, 87-94.	1.6	129
4	Transcriptional repression in eukaryotes: repressors and repression mechanisms. <i>Cellular and Molecular Life Sciences</i> , 2003, 60, 721-741.	2.4	123
5	The regulation of cell proliferation by the papillomavirus early proteins. <i>Cellular and Molecular Life Sciences</i> , 2009, 66, 1700-1717.	2.4	97
6	CpG methylation has differential effects on the binding of YY1 and ETS proteins to the bi-directional promoter of the Surf-1 and Surf-2 genes. <i>Nucleic Acids Research</i> , 1995, 23, 901-909.	6.5	92
7	The interleukin-10 - 1082 G/A polymorphism: allele frequency in different populations and functional significance. <i>Cellular and Molecular Life Sciences</i> , 2002, 59, 560-569.	2.4	92
8	DNA Binding and Bending by the Human Papillomavirus Type 16 E2 Protein. <i>Journal of Biological Chemistry</i> , 1997, 272, 8236-8242.	1.6	61
9	E2 Proteins from High- and Low-Risk Human Papillomavirus Types Differ in Their Ability To Bind p53 and Induce Apoptotic Cell Death. <i>Journal of Virology</i> , 2006, 80, 4580-4590.	1.5	58
10	A method for the separation of GST fusion proteins from co-purifying GroEL. <i>Trends in Genetics</i> , 1996, 12, 209-210.	2.9	54
11	Signalling networks in cholangiocarcinoma: Molecular pathogenesis, targeted therapies and drug resistance. <i>Liver International</i> , 2019, 39, 43-62.	1.9	54
12	The nirB promoter of <i>Escherichia coli</i> : location of nucleotide sequences essential for regulation by oxygen, the FNR protein and nitrite. <i>Molecular Microbiology</i> , 1988, 2, 527-530.	1.2	47
13	CX-4945 Induces Methuosis in Cholangiocarcinoma Cell Lines by a CK2-Independent Mechanism. <i>Cancers</i> , 2018, 10, 283.	1.7	44
14	Transcription from the <i>Escherichia coli</i> melR promoter is dependent on the cyclic AMP receptor protein. <i>Gene</i> , 1988, 68, 297-305.	1.0	43
15	The Surf-1 and Surf-2 Genes and Their Essential Bidirectional Promoter Elements Are Conserved Between Mouse and Human. <i>DNA and Cell Biology</i> , 1994, 13, 1117-1126.	0.9	38
16	Comparison of the Structure and DNA-binding Properties of the E2 Proteins from an Oncogenic and a Non-oncogenic Human Papillomavirus. <i>Journal of Molecular Biology</i> , 2003, 334, 979-991.	2.0	38
17	PRH/Hhex Controls Cell Survival through Coordinate Transcriptional Regulation of Vascular Endothelial Growth Factor Signaling. <i>Molecular and Cellular Biology</i> , 2010, 30, 2120-2134.	1.1	37
18	p53 represses human papillomavirus type 16 DNA replication via the viral E2 protein. <i>Virology Journal</i> , 2008, 5, 5.	1.4	36

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19	Oestrogen and progesterone increase the levels of apoptosis induced by the human papillomavirus type 16 E2 and E7 proteins. <i>Journal of General Virology</i> , 2001, 82, 201-213.	1.3	36
20	CK2 phosphorylation of the PRH/Hex homeodomain functions as a reversible switch for DNA binding. <i>Nucleic Acids Research</i> , 2009, 37, 3288-3300.	6.5	34
21	Comprehensive comparison of the interaction of the E2 master regulator with its cognate target DNA sites in 73 human papillomavirus types by sequence statistics. <i>Nucleic Acids Research</i> , 2008, 36, 756-769.	6.5	32
22	Misregulation of the proline rich homeodomain (PRH/HHEX) protein in cancer cells and its consequences for tumour growth and invasion. <i>Cell and Bioscience</i> , 2016, 6, 12.	2.1	31
23	YY1 is involved in the regulation of the bi-directional promoter of the Surf-1 and Surf-2 genes. <i>FEBS Letters</i> , 1994, 347, 289-294.	1.3	29
24	PRH/HHex inhibits the migration of breast and prostate epithelial cells through direct transcriptional regulation of Endoglin. <i>Oncogene</i> , 2014, 33, 5592-5600.	2.6	29
25	CpG methylation and the binding of YY1 and ETS proteins to the Surf-1/Surf-2 bidirectional promoter. <i>Gene</i> , 1995, 157, 257-259.	1.0	28
26	A comparison of the DNA bending activities of the DNA binding proteins CRP and TFIID. <i>Nucleic Acids Research</i> , 1992, 20, 3391-3396.	6.5	27
27	Herpes simplex virus VP22 ^h human papillomavirus E2 fusion proteins produced in mammalian or bacterial cells enter mammalian cells and induce apoptotic cell death. <i>Biotechnology and Applied Biochemistry</i> , 2004, 40, 157.	1.4	27
28	Blood platelets stimulate cancer extravasation through TGF β -mediated downregulation of PRH/HHEX. <i>Oncogenesis</i> , 2020, 9, 10.	2.1	27
29	DNA Wrapping and Distortion by an Oligomeric Homeodomain Protein. <i>Journal of Molecular Biology</i> , 2008, 383, 10-23.	2.0	26
30	Characterization of an Enhancer Region of the Galanin Gene That Directs Expression to the Dorsal Root Ganglion and Confers Responsiveness to Axotomy. <i>Journal of Neuroscience</i> , 2007, 27, 6573-6580.	1.7	25
31	The PRH/Hex repressor protein causes nuclear retention of Groucho/TLE co-repressors. <i>Biochemical Journal</i> , 2009, 417, 121-132.	1.7	25
32	Oligomerisation of the Developmental Regulator Proline Rich Homeodomain (PRH/Hex) is Mediated by a Novel Proline-rich Dimerisation Domain. <i>Journal of Molecular Biology</i> , 2006, 358, 943-962.	2.0	24
33	Protein kinase CK2 inactivates PRH/Hhex using multiple mechanisms to de-repress VEGF-signalling genes and promote cell survival. <i>Nucleic Acids Research</i> , 2012, 40, 9008-9020.	6.5	24
34	Proline-Rich Homeodomain protein (PRH/HHEX) is a suppressor of breast tumour growth. <i>Oncogenesis</i> , 2017, 6, e346-e346.	2.1	24
35	A functional YY1 binding site is necessary and sufficient to activate Surf-1 promoter activity in response to serum growth factors. <i>Nucleic Acids Research</i> , 1997, 25, 3705-3711.	6.5	22
36	Human papillomavirus type 16 E2- and L1-specific serological and T-cell responses in women with vulval intraepithelial neoplasia. <i>Journal of General Virology</i> , 2003, 84, 2089-2097.	1.3	22

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37	In situ Subcellular Fractionation of Adherent and Non-adherent Mammalian Cells. <i>Journal of Visualized Experiments</i> , 2010, , .	0.2	21
38	CK2 abrogates the inhibitory effects of PRH/HHEX on prostate cancer cell migration and invasion and acts through PRH to control cell proliferation. <i>Oncogenesis</i> , 2017, 6, e293-e293.	2.1	19
39	The recognition of local DNA conformation by the human papillomavirus type 6 E2 protein. <i>Nucleic Acids Research</i> , 2006, 34, 3897-3908.	6.5	18
40	Human T cell responses to HPV 16 E2 generated with monocyte-derived dendritic cells. <i>International Journal of Cancer</i> , 2001, 94, 807-812.	2.3	16
41	The transcriptional repressor protein PRH interacts with the proteasome. <i>Biochemical Journal</i> , 2003, 374, 667-675.	1.7	16
42	Diffusible VP22â€E2 Protein Kills Bystander Cells and Offers a Route for Cervical Cancer Gene Therapy. <i>Human Gene Therapy</i> , 2006, 17, 147-157.	1.4	16
43	The Human Papillomavirus E7âE2 Interaction Mechanism in Vitro Reveals a Finely Tuned System for Modulating Available E7 and E2 Proteins. <i>Biochemistry</i> , 2009, 48, 11939-11949.	1.2	15
44	A Cancer Cell-Specific Inducer of Apoptosis. <i>Human Gene Therapy</i> , 2007, 18, 547-561.	1.4	14
45	Protein flexibility directs DNA recognition by the papillomavirus E2 proteins. <i>Nucleic Acids Research</i> , 2011, 39, 2969-2980.	6.5	14
46	The papillomavirus E2 DNA binding domain. <i>Frontiers in Bioscience - Landmark</i> , 2008, Volume, 6006.	3.0	14
47	A Runaway PRH/HHEX-Notch3â€Positive Feedback Loop Drives Cholangiocarcinoma and Determines Response to CDK4/6 Inhibition. <i>Cancer Research</i> , 2020, 80, 757-770.	0.4	13
48	Myc and YY1 mediate activation of the Surf-1 promoter in response to serum growth factors. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 2000, 1492, 172-179.	2.4	12
49	Magnesium ions enhance the transfer of human papillomavirus E2 protein from non-specific to specific binding sites. <i>Journal of Molecular Biology</i> , 1999, 294, 885-896.	2.0	11
50	Dasatinib inhibits leukaemic cell survival by decreasing PRH/Hhex phosphorylation resulting in increased repression of VEGF signalling genes. <i>Leukemia Research</i> , 2012, 36, 1434-1437.	0.4	11
51	Cellular transcription factors regulate human papillomavirus type 16 gene expression by binding to a subset of the DNA sequences recognized by the viral E2 protein. <i>Journal of General Virology</i> , 1999, 80, 2087-2096.	1.3	11
52	Protein kinase CK2 inhibition suppresses neointima formation via a proline-rich homeodomain-dependent mechanism. <i>Vascular Pharmacology</i> , 2017, 99, 34-44.	1.0	10
53	The isolation of transcription factors from >11 cDNA expression libraries: human steroid 5<-reductase 1 has sequence-specific DNA binding activity. <i>Nucleic Acids Research</i> , 1992, 20, 6297-6301.	6.5	9
54	Purification of the proline-rich homeodomain protein. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2003, 786, 3-6.	1.2	9

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55	Novel mechanisms of resistance to vemurafenib in melanoma - V600E B-Raf reversion and switching VEGF-A splice isoform expression. <i>American Journal of Cancer Research</i> , 2015, 5, 433-41.	1.4	9
56	Purification and characterisation of the PRH homeodomain: Removal of the N-terminal domain of PRH increases the PRH homeodomainâ€™DNA interaction. <i>International Journal of Biological Macromolecules</i> , 2006, 39, 45-50.	3.6	8
57	Development of a Topical Protein Therapeutic for Human Papillomavirus and Associated Cancers. <i>BioDrugs</i> , 2006, 20, 209-218.	2.2	6
58	The Enigmatic Origin of Papillomavirus Protein Domains. <i>Viruses</i> , 2017, 9, 240.	1.5	6
59	The Proline Rich Homeodomain Protein PRH/Hhex Forms Stable Oligomers That Are Highly Resistant to Denaturation. <i>PLoS ONE</i> , 2012, 7, e35984.	1.1	6
60	DNA compaction by the higher-order assembly of PRH/Hex homeodomain protein oligomers. <i>Nucleic Acids Research</i> , 2010, 38, 7513-7525.	6.5	5
61	Measuring the Induction or Inhibition of Apoptosis by HPV Proteins. , 2005, 119, 419-432.		2
62	A quadrivalent vaccine for human papillomavirus. <i>Drugs of Today</i> , 2006, 42, 703.	0.7	1
63	AB033. P-01. Andrographolide (AP1) inhibits cholangiocarcinoma cell invasion in vitro model. <i>Hepatobiliary Surgery and Nutrition</i> , 2019, 8, AB033-AB033.	0.7	1
64	Targeting protein kinase CK2 in the treatment of cholangiocarcinoma. <i>Exploration of Targeted Anti-tumor Therapy</i> , 2021, 2, .	0.5	1
65	Sequence of CX-4945 and Cisplatin Administration Determines the Effectiveness of Drug Combination and Cellular Response in Cholangiocarcinoma Cells In Vitro. <i>Anticancer Research</i> , 2021, 41, 6155-6167.	0.5	1
66	THE INDUCTION OF APOPTOTIC CELL DEATH BY THE HPV 16 E2 PROTEIN. <i>Biochemical Society Transactions</i> , 1999, 27, A97-A97.	1.6	0
67	Proline-rich homeodomain and protein kinase CK2 as mediators of vascular smooth muscle cell proliferation and pathophysiological neointima formation. <i>Atherosclerosis</i> , 2016, 244, e12.	0.4	0
68	Phosphorylation of PRH/HHEX by Protein Kinase CK2 Regulates Cell Proliferation and Cell Migration in Diverse Cell Types. , 2018, , .		0
69	Diffusible VP22-E2 Protein Kills Bystander Cells and Offers a Route for Cervical Cancer Gene Therapy. <i>Human Gene Therapy</i> , 2006, .	1.4	0
70	Transcription Factor Chromatin in Endothelial Cells. <i>Methods in Molecular Biology</i> , 2022, 2441, 257-275.	0.4	0