

Brett T Spear

List of Publications by Year in descending order

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79
papers

2,479
citations

172457

29
h-index

223800

46
g-index

79
all docs

79
docs citations

79
times ranked

2919
citing authors

#	ARTICLE	IF	CITATIONS
1	Mutation of a new sodium channel gene, Scn8a, in the mouse mutant "motor endplate disease"™. <i>Nature Genetics</i> , 1995, 10, 461-465.	21.4	286
2	Regulation of Cell Proliferation, Apoptosis, and Transcription Factor Activities during the Promotion of Liver Carcinogenesis by Polychlorinated Biphenyls. <i>Toxicology and Applied Pharmacology</i> , 2002, 179, 172-184.	2.8	107
3	Targeting the Wnt/ β -Catenin Signaling Pathway in Liver Cancer Stem Cells and Hepatocellular Carcinoma Cell Lines with FH535. <i>PLoS ONE</i> , 2014, 9, e99272.	2.5	93
4	Hereditary persistence of α -fetoprotein and H19 expression in liver of BALB/cj mice is due to a retrovirus insertion in the Zfx2 gene. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 396-401.	7.1	92
5	Dietary antioxidants in the prevention of hepatocarcinogenesis: A review. <i>Molecular Nutrition and Food Research</i> , 2010, 54, 875-896.	3.3	85
6	Zinc Fingers and Homeoboxes 2 Inhibits Hepatocellular Carcinoma Cell Proliferation and Represses Expression of Cyclins A and E. <i>Gastroenterology</i> , 2012, 142, 1559-1570.e2.	1.3	82
7	The oncofetal gene <i>glypican 3</i> is regulated in the postnatal liver by zinc fingers and homeoboxes 2 and in the regenerating liver by alpha-fetoprotein regulator 2. <i>Hepatology</i> , 2007, 46, 1541-1547.	7.3	79
8	Alpha-fetoprotein gene regulation: lessons from transgenic mice. <i>Seminars in Cancer Biology</i> , 1999, 9, 109-116.	9.6	75
9	Cancer Resistance in Transgenic Mice Expressing the SAC Module of Par-4. <i>Cancer Research</i> , 2007, 67, 9276-9285.	0.9	62
10	Hepatocyte Nuclear Factor 3 Relieves Chromatin-mediated Repression of the β -Fetoprotein Gene. <i>Journal of Biological Chemistry</i> , 1999, 274, 25113-25120.	3.4	61
11	Role of Oxidative Stress in Peroxisome Proliferator-Mediated Carcinogenesis. <i>Critical Reviews in Toxicology</i> , 2005, 35, 61-88.	3.9	57
12	Synergistic inhibition of HCC and liver cancer stem cell proliferation by targeting RAS/RAF/MAPK and WNT/ β -catenin pathways. <i>Anticancer Research</i> , 2014, 34, 1709-13.	1.1	56
13	PCB 153, a Non-dioxin-like Tumor Promoter, Selects for β -Catenin (Catnb)-Mutated Mouse Liver Tumors. <i>Toxicological Sciences</i> , 2006, 93, 34-40.	3.1	54
14	Expression of the Hydrogen Peroxide-Generating Enzyme Fatty Acyl CoA Oxidase Activates NF-kappa B. <i>DNA and Cell Biology</i> , 2000, 19, 113-120.	1.9	51
15	A device for the simple and rapid transcervical transfer of mouse embryos eliminates the need for surgery and potential post-operative complications. <i>BioTechniques</i> , 2009, 47, 919-924.	1.8	51
16	HBV suppresses ZHX2 expression to promote proliferation of HCC through miR-155 activation. <i>International Journal of Cancer</i> , 2018, 143, 3120-3130.	5.1	51
17	Insertional mutation of the motor endplate disease (med) locus on mouse chromosome 15. <i>Genomics</i> , 1995, 26, 171-177.	2.9	48
18	Zhx2 and Zbtb20: Novel regulators of postnatal alpha-fetoprotein repression and their potential role in gene reactivation during liver cancer. <i>Seminars in Cancer Biology</i> , 2011, 21, 21-27.	9.6	47

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19	Vitamin E Inhibits Hepatic NF- κ B Activation in Rats Administered the Hepatic Tumor Promoter, Phenobarbital. <i>Journal of Nutrition</i> , 2002, 132, 3178-3185.	2.9	46
20	Effects of Peroxisome Proliferators on Glutathione and Glutathione-Related Enzymes in Rats and Hamsters. <i>Toxicology and Applied Pharmacology</i> , 2001, 171, 27-37.	2.8	38
21	Quantitative Trait Locus Mapping and Identification of Zhx2 as a Novel Regulator of Plasma Lipid Metabolism. <i>Circulation: Cardiovascular Genetics</i> , 2010, 3, 60-67.	5.1	36
22	Activation of nuclear factor- κ B by the peroxisome proliferator ciprofibrate in H4IIEC3 rat hepatoma cells and its inhibition by the antioxidants N-acetylcysteine and vitamin E. <i>Biochemical Pharmacology</i> , 2000, 59, 427-434.	4.4	35
23	Systemic Par-4 inhibits non-autochthonous tumor growth. <i>Cancer Biology and Therapy</i> , 2011, 12, 152-157.	3.4	35
24	Effect of antioxidant phytochemicals on the hepatic tumor promoting activity of 3,3',4,4'-tetrachlorobiphenyl (PCB-77). <i>Food and Chemical Toxicology</i> , 2008, 46, 3467-3474.	3.6	34
25	Role of oxidative stress in the promoting activities of PCBs. <i>Environmental Toxicology and Pharmacology</i> , 2008, 25, 247-250.	4.0	33
26	ZHX2 enhances the cytotoxicity of chemotherapeutic drugs in liver tumor cells by repressing MDR1 via interfering with NF- κ B. <i>Oncotarget</i> , 2015, 6, 1049-1063.	1.8	33
27	Effects of vitamin E on the NF- κ B pathway in rats treated with the peroxisome proliferator, ciprofibrate. <i>Toxicology and Applied Pharmacology</i> , 2004, 199, 1-9.	2.8	31
28	Activation of Hepatic NF- κ B by Phenobarbital in Rats. <i>Biochemical and Biophysical Research Communications</i> , 1996, 229, 982-989.	2.1	30
29	Autophagic flux modulation by Wnt/ β -catenin pathway inhibition in hepatocellular carcinoma. <i>PLoS ONE</i> , 2019, 14, e0212538.	2.5	30
30	Differential Activation of Hepatic NF- κ B in Rats and Hamsters by the Peroxisome Proliferators Wy-14,643, Gemfibrozil, and Dibutyl Phthalate. <i>Toxicological Sciences</i> , 2001, 62, 20-27.	3.1	29
31	PKI-587 and sorafenib alone and in combination on inhibition of liver cancer stem cell proliferation. <i>Journal of Surgical Research</i> , 2013, 185, 225-230.	1.6	27
32	Nonsurgical embryo transfer device compared with surgery for embryo transfer in mice. <i>Journal of the American Association for Laboratory Animal Science</i> , 2013, 52, 17-21.	1.2	26
33	Effect of 2,2',4,4',5,5'-Hexachlorobiphenyl (PCB-153) on Hepatocyte Proliferation and Apoptosis in Mice Deficient in the p50 Subunit of the Transcription Factor NF- κ B. <i>Toxicological Sciences</i> , 2004, 81, 35-42.	3.1	25
34	Inhibition of the promotion of hepatocarcinogenesis by 2,2',4,4',5,5'-hexachlorobiphenyl (PCB-153) by the deletion of the p50 subunit of NF- κ B in mice. <i>Toxicology and Applied Pharmacology</i> , 2008, 232, 302-308.	2.8	25
35	ZBTB20 is a sequence-specific transcriptional repressor of alpha-fetoprotein gene. <i>Scientific Reports</i> , 2015, 5, 11979.	3.3	24
36	Zhx2 (zinc fingers and homeoboxes 2) regulates major urinary protein gene expression in the mouse liver. <i>Journal of Biological Chemistry</i> , 2017, 292, 6765-6774.	3.4	24

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37	The Mouse Alpha-Fetoprotein Promoter is Repressed in HepG2 Hepatoma Cells by Hepatocyte Nuclear Factor-3 (FOXA). <i>DNA and Cell Biology</i> , 2002, 21, 561-569.	1.9	23
38	A Sensitive <i>lacZ</i> -Based Expression Vector for Analyzing Transcriptional Control Elements in Eukaryotic Cells. <i>DNA and Cell Biology</i> , 1995, 14, 635-642.	1.9	22
39	A Nonimmunoglobulin Transgene and the Endogenous Immunoglobulin μ Gene Are Coordinately Regulated by Alternative RNA Processing during B-Cell Maturation. <i>Molecular and Cellular Biology</i> , 1998, 18, 1042-1048.	2.3	21
40	Effect of a single dose of polychlorinated biphenyls on hepatic cell proliferation and the DNA binding activity of NF- κ B and AP-1 in rats. <i>Molecular Carcinogenesis</i> , 2003, 37, 171-180.	2.7	20
41	Cell Proliferation and Apoptosis Are Altered in Mice Deficient in the NF- κ B p50 Subunit after Treatment with the Peroxisome Proliferator Ciprofibrate. <i>Toxicological Sciences</i> , 2003, 75, 300-308.	3.1	20
42	Effect of the Peroxisome Proliferator Ciprofibrate on Lipid Peroxidation and 8-Hydroxydeoxyguanosine Formation in Transgenic Mice with Elevated Hepatic Catalase Activity. <i>Free Radical Biology and Medicine</i> , 1998, 24, 1430-1436.	2.9	19
43	FoxA Proteins Regulate H19 Endoderm Enhancer E1 and Exhibit Developmental Changes in Enhancer Binding In Vivo. <i>Molecular and Cellular Biology</i> , 2004, 24, 9601-9609.	2.3	19
44	Effects of Cigarette Smoke on the Activation of Oxidative Stress-Related Transcription Factors in Female A/J Mouse Lung. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2010, 73, 1288-1297.	2.3	19
45	Zinc Fingers and Homeoboxes 2 (Zhx2) Regulates Sexually Dimorphic <i>Cyp</i> Gene Expression in the Adult Mouse Liver. <i>Gene Expression</i> , 2016, 17, 7-17.	1.2	19
46	The Alpha-fetoprotein Promoter Is the Target of Afr1-Mediated Postnatal Repression. <i>Genomics</i> , 2000, 63, 173-180.	2.9	18
47	Inhibition of Hepatocarcinogenesis by the Deletion of the p50 Subunit of NF- κ B in Mice Administered the Peroxisome Proliferator Wy-14,643. <i>Toxicological Sciences</i> , 2006, 90, 331-336.	3.1	18
48	Lymphocyte function-associated antigen 1 (LFA-1) and natural killer (NK) cell activity: LFA-1 is not necessary for all killer:Target cell interactions. <i>Cellular Immunology</i> , 1987, 109, 306-317.	3.0	17
49	The effect of dietary glycine on the hepatic tumor promoting activity of polychlorinated biphenyls (PCBs) in rats. <i>Toxicology</i> , 2007, 239, 147-155.	4.2	17
50	Role of the p50 subunit of NF- κ B in vitamin E-induced changes in mice treated with the peroxisome proliferator, ciprofibrate. <i>Food and Chemical Toxicology</i> , 2008, 46, 2062-2073.	3.6	17
51	Effect of Dietary Selenium on the Promotion of Hepatocarcinogenesis by 3,3',4,4'-Tetrachlorobiphenyl and 2,2',4,4'-Hexachlorobiphenyl. <i>Experimental Biology and Medicine</i> , 2008, 233, 366-376.	2.4	17
52	Characterization of the ETnII± endogenous retroviral element in the BALB/c Zhx2 Afr1 allele. <i>Mammalian Genome</i> , 2008, 19, 26-31.	2.2	16
53	The alpha-fetoprotein enhancer region activates the albumin and alpha-fetoprotein promoters during liver development. <i>Developmental Biology</i> , 2009, 336, 294-300.	2.0	15
54	Alpha-fetoprotein related gene (ARG): A new member of the albumin gene family that is no longer functional in primates. <i>Gene</i> , 2010, 449, 95-102.	2.2	15

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55	The Neuronal Voltage-Gated Sodium Channel, Scn8a, Is Essential for Postnatal Maturation of Spinal, but Not Oculomotor, Motor Units. <i>Experimental Neurology</i> , 1996, 139, 328-334.	4.1	14
56	Liver size and lipid content differences between BALB/c and BALB/c mice on a high-fat diet are due, in part, to Zhx2. <i>Mammalian Genome</i> , 2019, 30, 226-236.	2.2	13
57	The Mouse Alpha-Albumin (Afamin) Promoter Is Differentially Regulated by Hepatocyte Nuclear Factor 1 α and Hepatocyte Nuclear Factor 1 β . <i>DNA and Cell Biology</i> , 2011, 30, 137-147.	1.9	12
58	Pericentral activity of alpha-fetoprotein enhancer 3 and glutamine synthetase upstream enhancer in the adult liver are regulated by β -catenin in mice. <i>Hepatology</i> , 2012, 56, 1892-1901.	7.3	12
59	Peroxisome Proliferators Do Not Activate the Transcription Factors AP-1, Early Growth Response-1, or Heat Shock Factors 1 and 2 in Rats or Hamsters. <i>Toxicological Sciences</i> , 2002, 69, 139-148.	3.1	11
60	Dietary Vitamin E Does Not Inhibit the Promotion of Liver Carcinogenesis by Polychlorinated Biphenyls in Rats. <i>Journal of Nutrition</i> , 2005, 135, 283-286.	2.9	11
61	The prorenin receptor and its soluble form contribute to lipid homeostasis. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2021, 320, E609-E618.	3.5	11
62	N-Aryl benzenesulfonamide inhibitors of [3H]-thymidine incorporation and β -catenin signaling in human hepatocyte-derived Huh-7 carcinoma cells. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2015, 25, 3897-3899.	2.2	10
63	Striking differences between the mouse and the human β -fetoprotein enhancers. <i>Genomics</i> , 2004, 83, 694-705.	2.9	8
64	Increased Liver-Specific Catalase Activity in Transgenic Mice. <i>DNA and Cell Biology</i> , 1996, 15, 625-630.	1.9	7
65	Endogenous and transfected mouse alpha-fetoprotein genes in undifferentiated F9 cells are activated in transient heterokaryons. <i>Somatic Cell and Molecular Genetics</i> , 1995, 21, 19-31.	0.7	6
66	Effect of phenobarbital on hepatic cell proliferation and apoptosis in mice deficient in the p50 subunit of NF- κ B. <i>Toxicology and Applied Pharmacology</i> , 2008, 226, 338-344.	2.8	6
67	The Role of NF- κ B in PPAR α -Mediated Hepatocarcinogenesis. <i>PPAR Research</i> , 2008, 2008, 1-9.	2.4	6
68	Increased Liver-specific Expression of Catalase in Transgenic Mice. <i>Annals of the New York Academy of Sciences</i> , 1996, 804, 542-553.	3.8	5
69	Effect of vitamin E on hepatic cell proliferation and apoptosis in mice deficient in the p50 subunit of NF- κ B after treatment with phenobarbital. <i>Food and Chemical Toxicology</i> , 2011, 49, 2706-2709.	3.6	4
70	Highly homologous mouse Cyp2a4 and Cyp2a5 genes are differentially expressed in the liver and both express long non-coding antisense RNAs. <i>Gene</i> , 2021, 767, 145162.	2.2	4
71	Normal intestinal epithelial cell differentiation in the absence of p21 and p27: new insights from old knock-out mice. <i>Cancer Biology and Therapy</i> , 2008, 7, 880-881.	3.4	3
72	Evolutionary Analysis of the Zinc Finger and Homeoboxes Family of Proteins Identifies Multiple Conserved Domains and a Common Early Chordate Ancestor. <i>Genome Biology and Evolution</i> , 2020, 12, 174-184.	2.5	3

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73	Role of Oil Vehicle on Hepatic Cell Proliferation in PCB-Treated Rats. Journal of Environmental Pathology, Toxicology and Oncology, 2011, 30, 273-282.	1.2	2
74	IMERS: Interactive Mentoring to Enhance Research Skills Grantâ€Writing Workshops for Faculty at Minority Serving Institutions. FASEB Journal, 2021, 35, .	0.5	1
75	Postnatal AFP Repression by Zhx2 through RNA Splicing Inhibition. FASEB Journal, 2010, 24, 887.4.	0.5	0
76	Zhx2 protects the liver from highâ€fat induced liver damage. FASEB Journal, 2010, 24, 849.3.	0.5	0
77	Regulation of Alphaâ€fetoprotein expression in the mouse liver by HNF1 and NF1. FASEB Journal, 2010, 24, 833.21.	0.5	0
78	Zhx2 and the balance between cardiovascular and hepatic health. FASEB Journal, 2013, 27, .	0.5	0
79	AFP antiâ€sense transcripts in mouse liver and their potential role in gene regulation. FASEB Journal, 2016, 30, 804.4.	0.5	0