Timothy F Lane

List of Publications by Year
in descending order

53 papers	7,309 citations	109321 35 h-index	175258 52 g-index
53 all docs	53 docs citations	53 times ranked	10197 citing authors

#	Article	IF	Citations
1	Regulation of osteoblastogenesis and bone mass by Wnt10b. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 3324-3329.	7.1	778
2	Overexpression of Cyclooxygenase-2 Is Sufficient to Induce Tumorigenesis in Transgenic Mice. Journal of Biological Chemistry, 2001, 276, 18563-18569.	3.4	697
3	The biology of SPARC, a protein that modulates cellâ€matrix interactions. FASEB Journal, 1994, 8, 163-173.	0.5	491
4	Type I Interferon Production Enhances Susceptibility to Listeria monocytogenes Infection. Journal of Experimental Medicine, 2004, 200, 437-445.	8.5	449
5	Toll-like Receptors Induce a Phagocytic Gene Program through p38. Journal of Experimental Medicine, 2004, 199, 81-90.	8.5	377
6	METH-1, a Human Ortholog of ADAMTS-1, and METH-2 Are Members of a New Family of Proteins with Angio-inhibitory Activity. Journal of Biological Chemistry, 1999, 274, 23349-23357.	3.4	371
7	Role of prostaglandin E2-dependent angiogenic switch in cyclooxygenase 2-induced breast cancer progression. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 591-596.	7.1	341
8	Estrogen protects bone by inducing Fas ligand in osteoblasts to regulate osteoclast survival. EMBO Journal, 2008, 27, 535-545.	7.8	279
9	Wnt10b Increases Postnatal Bone Formation by Enhancing Osteoblast Differentiation. Journal of Bone and Mineral Research, 2007, 22, 1924-1932.	2.8	244
10	Î²1 Integrin Establishes Endothelial Cell Polarity and Arteriolar Lumen Formation via a Par3-Dependent Mechanism. Developmental Cell, 2010, 18, 39-51.	7.0	233
11	Conditional loss of PTEN leads to precocious development and neoplasia in the mammary gland. Development (Cambridge), 2002, 129, 4159-4170.	2.5	227
12	VE-cadherin-CreERT2transgenic mouse: A model for inducible recombination in the endothelium. Developmental Dynamics, 2006, 235, 3413-3422.	1.8	206
13	NOTCH1 is a mechanosensor in adult arteries. Nature Communications, 2017, 8, 1620.	12.8	205
14	T Lymphocytes Amplify the Anabolic Activity of Parathyroid Hormone through Wnt10b Signaling. Cell Metabolism, 2009, 10, 229-240.	16.2	178
15	Wnt signaling interacts with Shh to regulate taste papilla development. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 2253-2258.	7.1	148
16	SPARC mediates focal adhesion disassembly in endothelial cells through a follistatin-like region and the Ca2+-binding EF-hand. Journal of Cellular Biochemistry, 1995, 57, 341-350.	2.6	145
17	Wnt10b deficiency results in age-dependent loss of bone mass and progressive reduction of mesenchymal progenitor cells. Journal of Bone and Mineral Research, 2010, 25, 2138-2147.	2.8	142
18	Wnt-10b directs hypermorphic development and transformation in mammary glands of male and female mice. Oncogene, 1997, 15, 2133-2144.	5.9	138

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19	Wnt10b Deficiency Promotes Coexpression of Myogenic and Adipogenic Programs in Myoblasts. Molecular Biology of the Cell, 2005, 16, 2039-2048.	2.1	131
20	Rb deletion in mouse mammary progenitors induces luminal-B or basal-like/EMT tumor subtypes depending on p53 status. Journal of Clinical Investigation, 2010, 120, 3296-3309.	8.2	129
21	Cooperation between Pik3ca and p53 Mutations in Mouse Mammary Tumor Formation. Cancer Research, 2011, 71, 2706-2717.	0.9	128
22	Conditional loss of PTEN leads to precocious development and neoplasia in the mammary gland. Development (Cambridge), 2002, 129, 4159-70.	2.5	117
23	Molecular properties of CD133+ glioblastoma stem cells derived from treatment-refractory recurrent brain tumors. Journal of Neuro-Oncology, 2009, 94, 1-19.	2.9	111
24	The Prostaglandin E2 Receptor EP2 Is Required for Cyclooxygenase 2â€“Mediated Mammary Hyperplasia. Cancer Research, 2005, 65, 4496-4499.	0.9	98
25	Adhesion, Shape, Proliferation, and Gene Expression of Mouse Leydig Cells are Influenced by Extracellular Matrix in Vitro1. Biology of Reproduction, 1991, 44, 157-170.	2.7	73
26	BRCA1 Associates with Processive RNA Polymerase II. Journal of Biological Chemistry, 2003, 278, 52012-52020.	3.4	64
27	Inhibition of endothelial cell proliferation by SPARC is mediated through a Ca2+-binding EF-hand sequence. Journal of Cellular Biochemistry, 1995, 57, 127-140.	2.6	63
28	Regulation of VEGF and VEGF receptor expression in the rodent mammary gland during pregnancy, lactation, and involution. Developmental Dynamics, 2000, 218, 507-524.	1.8	63
29	A functional link between Wnt signaling and SKP2-independent p27 turnover in mammary tumors. Genes and Development, 2008, 22, 3121-3134.	5.9	61
30	Ras Signaling Is a Key Determinant for Metastatic Dissemination and Poor Survival of Luminal Breast Cancer Patients. Cancer Research, 2015, 75, 4960-4972.	0.9	48
31	A versatile targeting system with lentiviral vectors bearing the biotinâ€adaptor peptide. Journal of Gene Medicine, 2009, 11, 655-663.	2.8	45
32	PTH expands short-term murine hemopoietic stem cells through T cells. Blood, 2012, 120, 4352-4362.	1.4	42
33	Arginine vasotocin from the pituitary gland of the lamprey (Petromyzon marinus): Isolation and amino acid sequence. General and Comparative Endocrinology, 1988, 70, 152-157.	1.8	38
34	PPM1l encodes an inositol requiring-protein 1 (IRE1) specific phosphatase that regulates the functional outcome of the ER stress response. Molecular Metabolism, 2013, 2, 405-416.	6.5	37
35	BRCA1 associates with the inactive X chromosome in late S-phase, coupled with transient H2AX phosphorylation. Chromosoma, 2005, 114, 432-439.	2.2	35
36	Molecular analysis of chicken embryo SPARC (osteonectin). FEBS Journal, 1993, 218, 117-127.	0.2	33

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37	BRCA1 and Transcription. Cancer Biology and Therapy, 2004, 3, 528-533.	3.4	32
38	Ptch1is required locally for mammary gland morphogenesis and systemically for ductal elongation. Development (Cambridge), 2009, 136, 1423-1432.	2.5	32
39	Ovariectomy expands murine short-term hemopoietic stem cell function through T cell expressed CD40L and Wnt10B. Blood, 2013, 122, 2346-2357.	1.4	30
40	PIAS1 Regulates Breast Tumorigenesis through Selective Epigenetic Gene Silencing. PLoS ONE, 2014, 9, e89464.	2.5	30
41	Identification of a Novel Endothelial-Derived Gene EG-1. Biochemical and Biophysical Research Communications, 2002, 290, 602-612.	2.1	27
42	Disruption of reelin signaling alters mammary gland morphogenesis. Development (Cambridge), 2011, 138, 767-776.	2.5	27
43	Notch1 regulates angio-supportive bone marrowâ€“derived cells in mice: relevance to chemoresistance. Blood, 2013, 122, 143-153.	1.4	25
44	Immunocytochemical Analysis of Prostate Stem Cell Antigen as Adjunct Marker for Detection of Urothelial Transitional Cell Carcinoma in Voided Urine Specimens. Journal of Urology, 2003, 169, 2094-2100.	0.4	24
45	Gene replacement with the human BRCA1 locus: tissue specific expression and rescue of embryonic lethality in mice. Oncogene, 2000, 19, 4085-4090.	5.9	23
46	BRCA1 Forms a Functional Complex with<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>Î³</mml:mi></mml:math>-H2AX as a Late Response to Genotoxic Stress. Journal of Nucleic Acids, 2010, 2010, 1-9.	1.2	22
47	COX-2 inhibitors and genetic background reduce mammary tumorigenesis in cyclooxygenase-2 transgenic mice. Prostaglandins and Other Lipid Mediators, 2005, 76, 86-94.	1.9	19
48	IRE1 Phosphatase PP2Cε Regulates Adaptive ER Stress Response in the Postpartum Mammary Gland. PLoS ONE, 2014, 9, e111606.	2.5	17
49	Bovine BRCA1 shows classic responses to genotoxic stress but low in vitro transcriptional activation activity. Oncogene, 2003, 22, 6032-6044.	5.9	16
50	CTLAâ€4Ig (abatacept) balances bone anabolic effects of T cells and Wntâ€10b with antianabolic effects of osteoblastic sclerostin. Annals of the New York Academy of Sciences, 2018, 1415, 21-33.	3.8	10
51	Erythropoiesis from Human Embryonic Stem Cells Through Erythropoietin-Independent AKT Signaling. Stem Cells, 2014, 32, 1503-1514.	3.2	9
52	University of California Research Seminar Network: A Prospectus. PLoS Biology, 2010, 8, e1000289.	5.6	1
53	Oncogenes, Anti-Oncogenes, and Genetic Regulators of Vascular Development. , 2001, , 85-106.		0