

Gilbert H Smith

List of Publications by Year in descending order

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Version: 2024-02-01

55
papers

3,312
citations

201674

27
h-index

206112

48
g-index

56
all docs

56
docs citations

56
times ranked

1946
citing authors

#	ARTICLE	IF	CITATIONS
1	Label-retaining epithelial cells in mouse mammary gland divide asymmetrically and retain their template DNA strands. <i>Development (Cambridge)</i> , 2005, 132, 681-687.	2.5	266
2	An adjunct mammary epithelial cell population in parous females: its role in functional adaptation and tissue renewal. <i>Development (Cambridge)</i> , 2002, 129, 1377-1386.	2.5	232
3	Experimental mammary epithelial morphogenesis in an <i>in vivo</i> model: Evidence for distinct cellular progenitors of the ductal and lobular phenotype. <i>Breast Cancer Research and Treatment</i> , 1996, 39, 21-31.	2.5	230
4	Parity-induced mouse mammary epithelial cells are pluripotent, self-renewing and sensitive to TGF- β 1 expression. <i>Oncogene</i> , 2005, 24, 552-560.	5.9	191
5	MMTV-induced mammary tumorigenesis: gene discovery, progression to malignancy and cellular pathways. <i>Oncogene</i> , 2000, 19, 992-1001.	5.9	166
6	Ectopic TGF β 1 Expression in the Secretory Mammary Epithelium Induces Early Senescence of the Epithelial Stem Cell Population. <i>Developmental Biology</i> , 1995, 168, 47-61.	2.0	164
7	Mammary epithelial stem cells. <i>Microscopy Research and Technique</i> , 2001, 52, 190-203.	2.2	156
8	Distribution of intracisternal α -particles in a variety of normal and neoplastic mouse tissues. <i>International Journal of Cancer</i> , 1971, 7, 167-175.	5.1	150
9	Interaction with the mammary microenvironment redirects spermatogenic cell fate <i>in vivo</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 3871-3876.	7.1	146
10	An adjunct mammary epithelial cell population in parous females: its role in functional adaptation and tissue renewal. <i>Development (Cambridge)</i> , 2002, 129, 1377-86.	2.5	141
11	The mammary microenvironment alters the differentiation repertoire of neural stem cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 14891-14896.	7.1	121
12	Parity-induced mammary epithelial cells facilitate tumorigenesis in MMTV-neu transgenic mice. <i>Oncogene</i> , 2004, 23, 6980-6985.	5.9	116
13	Estrogen receptor- α and progesterone receptor are expressed in label-retaining mammary epithelial cells that divide asymmetrically and retain their template DNA strands. <i>Breast Cancer Research</i> , 2006, 8, R49.	5.0	103
14	Reducing mammary cancer risk through premature stem cell senescence. <i>Oncogene</i> , 2001, 20, 2264-2272.	5.9	93
15	Reprogramming Human Cancer Cells in the Mouse Mammary Gland. <i>Cancer Research</i> , 2010, 70, 6336-6343.	0.9	83
16	Re-evaluation of mammary stem cell biology based on <i>in vivo</i> transplantation. <i>Breast Cancer Research</i> , 2008, 10, 203.	5.0	81
17	Evidence for the transforming activity of a truncated <i>Int6</i> gene, <i>in vitro</i> . <i>Oncogene</i> , 2001, 20, 5291-5301.	5.9	68
18	Alveolar progenitor cells develop in mouse mammary glands independent of pregnancy and lactation. <i>Journal of Cellular Physiology</i> , 2007, 212, 729-736.	4.1	65

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19	Functional differentiation in mouse mammary gland epithelium is attained through DNA synthesis, inconsequent of mitosis. <i>Developmental Biology</i> , 1981, 88, 167-179.	2.0	58
20	Stromal influences on transformation of human mammary epithelial cells overexpressingc-myc and SV40T. <i>Journal of Cellular Physiology</i> , 1990, 145, 207-216.	4.1	53
21	Detection of amphiregulin and Cripto-1 in mammary tumors from transgenic mice. , 1996, 15, 44-56.		48
22	Mammary epithelial stem cells: transplantation and self-renewal analysis. <i>Cell Proliferation</i> , 2003, 36, 3-15.	5.3	47
23	Mammary stem cell repertoire: new insights in aging epithelial populations. <i>Mechanisms of Ageing and Development</i> , 2002, 123, 1505-1519.	4.6	45
24	Human Breast Cancer Cells Are Redirected to Mammary Epithelial Cells upon Interaction with the Regenerating Mammary Gland Microenvironment In-Vivo. <i>PLoS ONE</i> , 2012, 7, e49221.	2.5	42
25	Amphiregulin mediates self-renewal in an immortal mammary epithelial cell line with stem cell characteristics. <i>Experimental Cell Research</i> , 2010, 316, 422-432.	2.6	39
26	The Mouse Mammary Microenvironment Redirects Mesoderm-Derived Bone Marrow Cells to a Mammary Epithelial Progenitor Cell Fate. <i>Stem Cells and Development</i> , 2012, 21, 948-954.	2.1	38
27	Mammary extracellular matrix directs differentiation of testicular and embryonic stem cells to form functional mammary glands in vivo. <i>Scientific Reports</i> , 2017, 7, 40196.	3.3	36
28	Selective segregation of DNA strands persists in long label retaining mammary cells during pregnancy. <i>Breast Cancer Research</i> , 2008, 10, R90.	5.0	29
29	Effects of Age and Parity on Mammary Gland Lesions and Progenitor Cells in the FVB/N-RC Mice. <i>PLoS ONE</i> , 2012, 7, e43624.	2.5	28
30	Embryonic Stem Cells Are Redirected to Non-Tumorigenic Epithelial Cell Fate by Interaction with the Mammary Microenvironment. <i>PLoS ONE</i> , 2013, 8, e62019.	2.5	27
31	Reprogramming non-mammary and cancer cells in the developing mouse mammary gland. <i>Seminars in Cell and Developmental Biology</i> , 2012, 23, 591-598.	5.0	26
32	Reprogramming cell fates in the mammary microenvironment. <i>Cell Cycle</i> , 2009, 8, 1127-1132.	2.6	25
33	TGF- β^2 and functional differentiation. <i>Journal of Mammary Gland Biology and Neoplasia</i> , 1996, 1, 343-352.	2.7	23
34	Understanding mammary gland development through the imbalanced expression of growth regulators. , 1996, 206, 159-168.		22
35	Functional Characterization of Stem Cell Activity in the Mouse Mammary Gland. <i>Stem Cell Reviews and Reports</i> , 2011, 7, 238-247.	5.6	22
36	Functional differentiation of virgin mouse mammary epithelium in explant culture is dependent upon extracellular proline. <i>Journal of Cellular Physiology</i> , 1987, 131, 190-199.	4.1	21

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37	Impairment of mammary lobular development induced by expression of TGF β 1 under the control of WAP promoter does not suppress tumorigenesis in MMTV-infected transgenic mice. <i>International Journal of Cancer</i> , 2001, 92, 568-576.	5.1	18
38	Stem Cells and Mammary Cancer in Mice. <i>Stem Cell Reviews and Reports</i> , 2005, 1, 215-224.	5.6	16
39	Mammary stem cells come of age, prospectively. <i>Trends in Molecular Medicine</i> , 2006, 12, 287-289.	6.7	14
40	The effect of parity, tumor latency and transplantation on the activation of int loci in mmtv-induced, transplanted C3H mammary pre-neoplasias and their tumors. <i>International Journal of Cancer</i> , 1992, 51, 805-811.	5.1	13
41	Paracrine rescued lobulogenesis in chimeric outgrowths comprised of progesterone receptor null mammary epithelium and redirected wild-type testicular cells. <i>Journal of Cell Science</i> , 2014, 127, 27-32.	2.0	10
42	Redirection of Human Cancer Cells upon the Interaction with the Regenerating Mouse Mammary Gland Microenvironment. <i>Cells</i> , 2013, 2, 43-56.	4.1	7
43	Does the Mouse Mammary Gland Arise from Unipotent or Multipotent Mammary Stem/Progenitor Cells?. <i>Journal of Mammary Gland Biology and Neoplasia</i> , 2018, 23, 1-3.	2.7	7
44	Attempts to Detect Nodule-Inducing Virus in Strain RIII Mice. <i>Journal of the National Cancer Institute</i> , 0, , .	6.3	4
45	The Mouse as a Model for Mammary Tumorigenesis: History and Current Aspects. <i>Journal of Mammary Gland Biology and Neoplasia</i> , 2008, 13, 269-269.	2.7	4
46	A potential mechanism for extracellular matrix induction of breast cancer cell normality. <i>Breast Cancer Research</i> , 2014, 16, 302.	5.0	4
47	Hormone Signaling Requirements for the Conversion of Non-Mammary Mouse Cells to Mammary Cell Fate(s) in Vivo. <i>Journal of Mammary Gland Biology and Neoplasia</i> , 2015, 20, 93-101.	2.7	4
48	In vivo reprogramming of non-mammary cells to an epithelial cell fate is independent of amphiregulin signaling. <i>Journal of Cell Science</i> , 2017, 130, 2018-2025.	2.0	3
49	Long-label-retaining mammary epithelial cells are created early in ductal development and distributed throughout the branching ducts. <i>Mechanisms of Development</i> , 2019, 159, 103565.	1.7	2
50	Mammary epithelial stem cells. , 2001, 52, 190.		2
51	Mammary Epithelial Cell Lineage Analysis via the Lyon's Hypothesis. <i>International Journal of Stem Cell Research and Therapy</i> , 2016, 3, .	1.0	2
52	Microarray and pathway analysis of two COMMA-D β 2 derived clones reveal important differences relevant to their developmental capacity in-vivo. <i>Oncotarget</i> , 2019, 10, 2118-2135.	1.8	1
53	Techniques for the Reprogramming of Exogenous Stem/Progenitor Cell Populations Towards a Mammary Epithelial Cell Fate. <i>Methods in Molecular Biology</i> , 2017, 1501, 277-289.	0.9	0
54	In vivo reprogramming of non-mammary cells to an epithelial cell fate is independent of amphiregulin signaling. <i>Development (Cambridge)</i> , 2017, 144, e1.1-e1.1.	2.5	0

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55	Sequence conservation of mitochondrial (mt)DNA during expansion of clonal mammary epithelial populations suggests a common mtDNA template in Czechll mice. Oncotarget, 2020, 11, 161-174.	1.8	0