

# Christine J Watson

## List of Publications by Year in descending order

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113  
papers

7,912  
citations

36303

51  
h-index

51608

86  
g-index

114  
all docs

114  
docs citations

114  
times ranked

9302  
citing authors

#	ARTICLE	IF	CITATIONS
1	Suppression of epithelial apoptosis and delayed mammary gland involution in mice with a conditional knockout of Stat3. <i>Genes and Development</i> , 1999, 13, 2604-2616.	5.9	419
2	Mammary development in the embryo and adult: a journey of morphogenesis and commitment. <i>Development (Cambridge)</i> , 2008, 135, 995-1003.	2.5	332
3	Gene expression profiling of mammary gland development reveals putative roles for death receptors and immune mediators in post-lactational regression. <i>Breast Cancer Research</i> , 2004, 6, R92.	5.0	295
4	Phenotypic and functional characterisation of the luminal cell hierarchy of the mammary gland. <i>Breast Cancer Research</i> , 2012, 14, R134.	5.0	260
5	Stat3 controls lysosomal-mediated cell death in vivo. <i>Nature Cell Biology</i> , 2011, 13, 303-309.	10.3	258
6	A STAT3-mediated metabolic switch is involved in tumour transformation and STAT3 addiction. <i>Aging</i> , 2010, 2, 823-842.	3.1	231
7	Key stages in mammary gland development - Involution: apoptosis and tissue remodelling that convert the mammary gland from milk factory to a quiescent organ. <i>Breast Cancer Research</i> , 2006, 8, 203.	5.0	217
8	Elevated levels of members of the STAT family of transcription factors in breast carcinoma nuclear extracts. <i>British Journal of Cancer</i> , 1995, 71, 840-844.	6.4	210
9	Collagen-hyaluronic acid scaffolds for adipose tissue engineering. <i>Acta Biomaterialia</i> , 2010, 6, 3957-3968.	8.3	209
10	SIROLIMUS: A POTENT NEW IMMUNOSUPPRESSANT FOR LIVER TRANSPLANTATION. <i>Transplantation</i> , 1999, 67, 505-509.	1.0	190
11	<scp>STAT</scp>3 the oncogene - still eluding therapy?. <i>FEBS Journal</i> , 2015, 282, 2600-2611.	4.7	173
12	A dual, non-redundant, role for LIF as a regulator of development and STAT3-mediated cell death in mammary gland. <i>Development (Cambridge)</i> , 2003, 130, 3459-3468.	2.5	167
13	Mammary-specific deletion of parathyroid hormone-related protein preserves bone mass during lactation. <i>Journal of Clinical Investigation</i> , 2003, 112, 1429-1436.	8.2	156
14	Killing a cancer: what are the alternatives?. <i>Nature Reviews Cancer</i> , 2012, 12, 411-424.	28.4	150
15	Stat5 as a Target for Regulation by Extracellular Matrix. <i>Journal of Biological Chemistry</i> , 1995, 270, 21639-21644.	3.4	136
16	Stat3 controls cell death during mammary gland involution by regulating uptake of milk fat globules and lysosomal membrane permeabilization. <i>Nature Cell Biology</i> , 2014, 16, 1057-1068.	10.3	136
17	BCL11A is a triple-negative breast cancer gene with critical functions in stem and progenitor cells. <i>Nature Communications</i> , 2015, 6, 5987.	12.8	135
18	Interaction of DNA-binding proteins with a milk protein gene promoter in vitro: identification of a mammary gland-specific factor. <i>Nucleic Acids Research</i> , 1991, 19, 6603-6610.	14.5	132

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19	Constitutively Active Stat3 Enhances Neu-Mediated Migration and Metastasis in Mammary Tumors via Upregulation of Cten. <i>Cancer Research</i> , 2010, 70, 2558-2567.	0.9	131
20	The Genes Induced by Signal Transducer and Activators of Transcription (STAT)3 and STAT5 in Mammary Epithelial Cells Define the Roles of these STATs in Mammary Development. <i>Molecular Endocrinology</i> , 2006, 20, 675-685.	3.7	118
21	Remodeling mechanisms of the mammary gland during involution. <i>International Journal of Developmental Biology</i> , 2011, 55, 757-762.	0.6	115
22	Development of three-dimensional collagen scaffolds with controlled architecture for cell migration studies using breast cancer cell lines. <i>Biomaterials</i> , 2017, 114, 34-43.	11.4	111
23	Differential activation of STATs 3 and 5 during mammary gland development. <i>FEBS Letters</i> , 1996, 396, 77-80.	2.8	110
24	Biomimetic collagen scaffolds with anisotropic pore architecture. <i>Acta Biomaterialia</i> , 2012, 8, 667-676.	8.3	110
25	NF- $\kappa$ B Inhibits Apoptosis in Murine Mammary Epithelia. <i>Journal of Biological Chemistry</i> , 2000, 275, 12737-12742.	3.4	109
26	Single-cell lineage tracing in the mammary gland reveals stochastic clonal dispersion of stem/progenitor cell progeny. <i>Nature Communications</i> , 2016, 7, 13053.	12.8	109
27	The IL-4/IL-13/Stat6 signalling pathway promotes luminal mammary epithelial cell development. <i>Development (Cambridge)</i> , 2007, 134, 2739-2750.	2.5	106
28	Stat3-induced apoptosis requires a molecular switch in PI(3)K subunit composition. <i>Nature Cell Biology</i> , 2005, 7, 392-398.	10.3	101
29	Identification and characterisation of a developmentally regulated mammalian gene that utilises $\epsilon$ 1 programmed ribosomal frameshifting. <i>Nucleic Acids Research</i> , 2001, 29, 4079-4088.	14.5	97
30	Mammary Stem Cells: Premise, Properties, and Perspectives. <i>Trends in Cell Biology</i> , 2017, 27, 556-567.	7.9	94
31	Prolactin signal transduction mechanisms in the mammary gland: the role of the Jak/Stat pathway. <i>Reproduction</i> , 1996, 1, 1-5.	2.0	93
32	Epithelial-to-mesenchymal transition confers resistance to apoptosis in three murine mammary epithelial cell lines. <i>Differentiation</i> , 2006, 74, 254-264.	1.9	92
33	Efficient BLG-Cre mediated gene deletion in the mammary gland. <i>Transgenic Research</i> , 1998, 7, 387-398.	2.4	91
34	Conditional deletion of Stat3 in mammary epithelium impairs the acute phase response and modulates immune cell numbers during post-lactational regression. <i>Journal of Pathology</i> , 2012, 227, 106-117.	4.5	91
35	Mammary Gland Growth Factors: Roles in Normal Development and in Cancer. <i>Cold Spring Harbor Perspectives in Biology</i> , 2010, 2, a003186-a003186.	5.5	87
36	IKK $\beta$ 2 induces TWEAK and apoptosis in mammary epithelial cells. <i>Development (Cambridge)</i> , 2006, 133, 3485-3494.	2.5	86

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37	The Role of Stat3 in Apoptosis and Mammary Gland Involution. , 2000, 480, 129-138.		85
38	Postpartum Remodeling, Lactation, and Breast Cancer Risk: Summary of a National Cancer Institute-sponsored Workshop. Journal of the National Cancer Institute, 2013, 105, 166-174.	6.3	84
39	Stat transcription factors in mammary gland development and tumorigenesis. Journal of Mammary Gland Biology and Neoplasia, 2001, 6, 115-127.	2.7	83
40	Imaging the mammary gland and mammary tumours in 3D: optical tissue clearing and immunofluorescence methods. Breast Cancer Research, 2016, 18, 127.	5.0	83
41	Apoptosis: the germs of death. Nature Cell Biology, 1999, 1, E69-E71.	10.3	82
42	A Multifunctional 3D Co-Culture System for Studies of Mammary Tissue Morphogenesis and Stem Cell Biology. PLoS ONE, 2011, 6, e25661.	2.5	82
43	p53-dependent apoptosis induced by proteasome inhibition in mammary epithelial cells. Cell Death and Differentiation, 2001, 8, 210-218.	11.2	75
44	Stat3 and the Inflammation/Acute Phase Response in Involution and Breast Cancer. Journal of Mammary Gland Biology and Neoplasia, 2009, 14, 121-129.	2.7	72
45	Isolation of Mouse Mammary Epithelial Subpopulations: A Comparison of Leading Methods. Journal of Mammary Gland Biology and Neoplasia, 2012, 17, 91-97.	2.7	65
46	Post-lactational mammary gland regression: molecular basis and implications for breast cancer. Expert Reviews in Molecular Medicine, 2006, 8, 1-15.	3.9	64
47	The structure and expression of the preproenkephalin gene. Nucleic Acids Research, 1982, 10, 7905-7918.	14.5	62
48	Microarray Analysis of the Involution Switch. Journal of Mammary Gland Biology and Neoplasia, 2003, 8, 309-319.	2.7	59
49	A Dual Role for Oncostatin M Signaling in the Differentiation and Death of Mammary Epithelial Cells in Vivo. Molecular Endocrinology, 2008, 22, 2677-2688.	3.7	59
50	Recombinant plasmids containing Xenopus laevis globin structural genes derived from complementary DNA. Nucleic Acids Research, 1978, 5, 905-924.	14.5	53
51	The mammary factor MPBF is a prolactin-induced transcriptional regulator which binds to STAT factor recognition sites. FEBS Letters, 1994, 350, 177-182.	2.8	53
52	PML depletion disrupts normal mammary gland development and skews the composition of the mammary luminal cell progenitor pool. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 4725-4730.	7.1	53
53	The spectrum of STAT functions in mammary gland development. Jak-stat, 2012, 1, 151-158.	2.2	49
54	The Stat3 paradox: A killer and an oncogene. Molecular and Cellular Endocrinology, 2014, 382, 603-611.	3.2	49

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55	The Mammary Microenvironment in Mastitis in Humans, Dairy Ruminants, Rabbits and Rodents: A One Health Focus. <i>Journal of Mammary Gland Biology and Neoplasia</i> , 2018, 23, 27-41.	2.7	49
56	The Multifaceted Role of STAT3 in Mammary Gland Involution and Breast Cancer. <i>International Journal of Molecular Sciences</i> , 2018, 19, 1695.	4.1	49
57	c-myc as a mediator of accelerated apoptosis and involution in mammary glands lacking Socs3. <i>EMBO Journal</i> , 2006, 25, 5805-5815.	7.8	48
58	The Stat family of transcription factors have diverse roles in mammary gland development. <i>Seminars in Cell and Developmental Biology</i> , 2008, 19, 401-406.	5.0	48
59	Mammary development in the embryo and adult: new insights into the journey of morphogenesis and commitment. <i>Development (Cambridge)</i> , 2020, 147, .	2.5	45
60	A novel role for IRF-1 as a suppressor of apoptosis. <i>Oncogene</i> , 2000, 19, 6386-6391.	5.9	43
61	The Jak/Stat Pathway: A Novel Way to Regulate PI3K Activity. <i>Cell Cycle</i> , 2005, 4, 897-900.	2.6	43
62	NF-kappaB and apoptosis in mammary epithelial cells. <i>Journal of Mammary Gland Biology and Neoplasia</i> , 1999, 4, 165-175.	2.7	42
63	Neutral lineage tracing of proliferative embryonic and adult mammary stem/progenitor cells. <i>Development (Cambridge)</i> , 2018, 145, .	2.5	40
64	Expression of adenovirus type 2 DNA polymerase in insect cells infected with a recombinant baculovirus. <i>Nucleic Acids Research</i> , 1990, 18, 1167-1173.	14.5	32
65	Three-dimensional culture models of mammary gland. <i>Organogenesis</i> , 2009, 5, 43-49.	1.2	31
66	The proximal milk protein binding factor binding site is required for the prolactin responsiveness of the sheep $\beta$ -lactoglobulin promoter in Chinese hamster ovary cells. <i>Molecular and Cellular Endocrinology</i> , 1995, 107, 113-121.	3.2	30
67	Cytokine signalling in mammary gland development. <i>Journal of Reproductive Immunology</i> , 2011, 88, 124-129.	1.9	30
68	Immune cell regulators in mouse mammary development and involution1. <i>Journal of Animal Science</i> , 2009, 87, 35-42.	0.5	29
69	An Engineered Human Adipose/Collagen Model for <i>In Vitro</i> Breast Cancer Cell Migration Studies. <i>Tissue Engineering - Part A</i> , 2018, 24, 1309-1319.	3.1	29
70	Mouse Wnt8B is expressed in the developing forebrain and maps to Chromosome 19. <i>Mammalian Genome</i> , 1999, 10, 923-925.	2.2	28
71	The Stat6-regulated KRAB domain zinc finger protein Zfp157 regulates the balance of lineages in mammary glands and compensates for loss of Gata-3. <i>Genes and Development</i> , 2012, 26, 1086-1097.	5.9	27
72	A 3-D in vitro co-culture model of mammary gland involution. <i>Integrative Biology (United Kingdom)</i> , 2014, 6, 618-626.	1.3	27

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73	Dynamic architectural interplay between leucocytes and mammary epithelial cells. <i>FEBS Journal</i> , 2020, 287, 250-266.	4.7	27
74	The Role of Cathepsins in Involution and Breast Cancer. <i>Journal of Mammary Gland Biology and Neoplasia</i> , 2009, 14, 171-179.	2.7	26
75	Constitutive activation of JAK2 in mammary epithelium elevates Stat5 signalling, promotes alveologenesis and resistance to cell death, and contributes to tumourigenesis. <i>Cell Death and Differentiation</i> , 2012, 19, 511-522.	11.2	26
76	Stat3-mediated alterations in lysosomal membrane protein composition. <i>Journal of Biological Chemistry</i> , 2018, 293, 4244-4261.	3.4	26
77	Stem cell marker prominin-1 regulates branching morphogenesis, but not regenerative capacity, in the mammary gland. <i>Developmental Dynamics</i> , 2011, 240, 674-681.	1.8	25
78	Signal transducer and activator of transcription-3 and the phosphatidylinositol-3-kinase regulatory subunits p55 and p50 regulate autophagy <i>in vivo</i> . <i>FEBS Journal</i> , 2014, 281, 4557-4567.	4.7	23
79	Stat3 Is Required to Maintain the Full Differentiation Potential of Mammary Stem Cells and the Proliferative Potential of Mammary Luminal Progenitors. <i>PLoS ONE</i> , 2012, 7, e52608.	2.5	20
80	Tumour cell invasiveness and response to chemotherapeutics in adipocyte invested 3D engineered anisotropic collagen scaffolds. <i>Scientific Reports</i> , 2018, 8, 12658.	3.3	18
81	The BH3-only protein BIM contributes to late-stage involution in the mouse mammary gland. <i>Cell Death and Differentiation</i> , 2016, 23, 41-51.	11.2	16
82	Sinusoid-like dilatations of the mammary milk ducts, Ki67 expression, and CD3-positive T lymphocyte infiltration, in the mammary gland of wild European rabbits during pregnancy and lactation. <i>Journal of Anatomy</i> , 2018, 233, 266-273.	1.5	15
83	The role of Stat3 in mammary gland involution: cell death regulator and modulator of inflammation. <i>Hormone Molecular Biology and Clinical Investigation</i> , 2012, 10, 211-5.	0.7	12
84	The PI3K regulatory subunits p55 and p50 regulate cell death <i>in vivo</i> . <i>Cell Death and Differentiation</i> , 2014, 21, 1442-1450.	11.2	12
85	Anti-CCL2: building a reservoir or opening the floodgates to metastasis?. <i>Breast Cancer Research</i> , 2015, 17, 68.	5.0	12
86	Stat3 modulates chloride channel accessory protein expression in normal and neoplastic mammary tissue. <i>Cell Death and Disease</i> , 2016, 7, e2398-e2398.	6.3	11
87	PML: A tumor suppressor that regulates cell fate in mammary gland. <i>Cell Cycle</i> , 2009, 8, 2711-2717.	2.6	9
88	Engineering Mammary Gland <i>in Vitro</i> Models for Cancer Diagnostics and Therapy. <i>Molecular Pharmaceutics</i> , 2014, 11, 1971-1981.	4.6	9
89	Transcripts from an aberrantly re-arranged human T-cell receptor beta-chain gene. <i>EMBO Journal</i> , 1985, 4, 1211-5.	7.8	9
90	Gpr125 is a unifying hallmark of multiple mammary progenitors coupled to tumor latency. <i>Nature Communications</i> , 2022, 13, 1421.	12.8	9

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91	A prophylactic vaccine for breast cancer?. Breast Cancer Research, 2010, 12, 310.	5.0	8
92	The KRAB Zinc Finger Protein Roma/Zfp157 Is a Critical Regulator of Cell-Cycle Progression and Genomic Stability. Cell Reports, 2016, 15, 724-734.	6.4	8
93	Construction of a representative cDNA library from mRNA isolated from mouse oocytes. FEBS Letters, 1986, 195, 199-202.	2.8	7
94	Breast cancer: the menacing face of Janus kinase. Cell Death and Differentiation, 2014, 21, 185-186.	11.2	6
95	The Regulation of Gene Expression in Murine Teratocarcinoma Cells. Cold Spring Harbor Symposia on Quantitative Biology, 1985, 50, 701-706.	1.1	6
96	CD4 and CD8 monoclonal antibody therapy: Strategies to prolong renal allograft survival in the dog. British Journal of Surgery, 2005, 80, 1389-1392.	0.3	5
97	How should we define mammary stem cells?. Trends in Cell Biology, 2021, 31, 621-627.	7.9	5
98	The immune environment of the mammary gland fluctuates during post-lactational regression and correlates with tumour growth rate. Development (Cambridge), 2022, 149, .	2.5	5
99	Preface. Journal of Mammary Gland Biology and Neoplasia, 2009, 14, 85-86.	2.7	3
100	Analysis of the Involuting Mouse Mammary Gland: An In Vivo Model for Cell Death. Methods in Molecular Biology, 2017, 1501, 165-186.	0.9	3
101	The ever-expanding landscape of cancer therapeutic approaches. FEBS Journal, 2021, 288, 6082-6086.	4.7	3
102	Alveolar cells in the mammary gland: lineage commitment and cell death. Biochemical Journal, 2022, 479, 995-1006.	3.7	2
103	CD 4 and CD 8 monoclonal antibody therapy in canine renal allografts. Transplant International, 1994, 7, 322-324.	1.6	1
104	Differential regulation of members of the family of signal transducers and activators of transcription during mammary gland development. Biochemical Society Transactions, 1996, 24, 370S-370S.	3.4	1
105	Derivation of conditionally immortal mammary epithelial cell lines. Biochemical Society Transactions, 1996, 24, 371S-371S.	3.4	1
106	Identification of Transcripts Showing Differential Expression In The Developing Mammary Gland Using Differential Display. Biochemical Society Transactions, 1996, 24, 372S-372S.	3.4	1
107	In conversation with Christine Watson. FEBS Journal, 2022, 289, 9-16.	4.7	1
108	Mammary-specific deletion of parathyroid hormone-related protein preserves bone mass during lactation. Journal of Clinical Investigation, 2004, 113, 492-492.	8.2	1

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109	The search for breast cancer therapies—the value of genetically engineered mice. <i>Transgenic Research</i> , 2002, 11, 615-615.	2.4	0
110	Involution: Completing the Cycle. <i>Journal of Mammary Gland Biology and Neoplasia</i> , 2007, 12, 1-2.	2.7	0
111	Editorial. <i>Seminars in Cell and Developmental Biology</i> , 2008, 19, 309-310.	5.0	0
112	Impact of STAT5 on Normal Tissue Development and Cancer. , 2012, , 335-351.		0
113	Remembering apoptosis pioneer Andrew Wyllie (1944–2022). <i>FEBS Journal</i> , 0, , .	4.7	0