

# Matthew J Smalley

## List of Publications by Year in descending order

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Version: 2024-02-01

70  
papers

6,047  
citations

81839

39  
h-index

91828

69  
g-index

76  
all docs

76  
docs citations

76  
times ranked

8390  
citing authors

#	ARTICLE	IF	CITATIONS
1	BRCA1 Basal-like Breast Cancers Originate from Luminal Epithelial Progenitors and Not from Basal Stem Cells. <i>Cell Stem Cell</i> , 2010, 7, 403-417.	5.2	643
2	Stem cells and breast cancer: A field in transit. <i>Nature Reviews Cancer</i> , 2003, 3, 832-844.	12.8	331
3	Critical research gaps and translational priorities for the successful prevention and treatment of breast cancer. <i>Breast Cancer Research</i> , 2013, 15, R92.	2.2	320
4	The PI3K-AKT-mTOR Pathway and Prostate Cancer: At the Crossroads of AR, MAPK, and WNT Signaling. <i>International Journal of Molecular Sciences</i> , 2020, 21, 4507.	1.8	289
5	Dissociation of estrogen receptor expression and in vivo stem cell activity in the mammary gland. <i>Journal of Cell Biology</i> , 2007, 176, 19-26.	2.3	285
6	CD24 staining of mouse mammary gland cells defines luminal epithelial, myoepithelial/basal and non-epithelial cells. <i>Breast Cancer Research</i> , 2005, 8, R7.	2.2	272
7	Interaction of Axin and Dvl-2 proteins regulates Dvl-2-stimulated TCF-dependent transcription. <i>EMBO Journal</i> , 1999, 18, 2823-2835.	3.5	226
8	Functional and molecular characterisation of mammary side population cells. <i>Breast Cancer Research</i> , 2002, 5, R1-8.	2.2	212
9	A divergent canonical WNT-signaling pathway regulates microtubule dynamics. <i>Journal of Cell Biology</i> , 2004, 164, 243-253.	2.3	193
10	Wnt signalling in mammalian development and cancer. , 1999, 18, 215-230.		191
11	Alpha $\alpha$ 6 integrin is necessary for the tumourigenicity of a stem cell $\alpha$ like subpopulation within the MCF7 breast cancer cell line. <i>International Journal of Cancer</i> , 2008, 122, 298-304.	2.3	187
12	Pregnancy and the risk of breast cancer. <i>Endocrine-Related Cancer</i> , 2007, 14, 907-933.	1.6	183
13	Transcriptome analysis of mammary epithelial subpopulations identifies novel determinants of lineage commitment and cell fate. <i>BMC Genomics</i> , 2008, 9, 591.	1.2	151
14	Wnt/Shh interactions regulate ectodermal boundary formation during mammalian tooth development. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000, 97, 4520-4524.	3.3	145
15	PRMT5 Is a Critical Regulator of Breast Cancer Stem Cell Function via Histone Methylation and FOXP1 Expression. <i>Cell Reports</i> , 2017, 21, 3498-3513.	2.9	138
16	Sequence variants of the axin gene in breast, colon, and other cancers: An analysis of mutations that interfere with GSK3 binding. <i>Genes Chromosomes and Cancer</i> , 2000, 28, 443-453.	1.5	137
17	Identification of the Axin and Frat Binding Region of Glycogen Synthase Kinase-3. <i>Journal of Biological Chemistry</i> , 2002, 277, 2176-2185.	1.6	112
18	The Mammary Gland $\alpha$ Side Population $\alpha$ : A Putative Stem/Progenitor Cell Marker?. <i>Journal of Mammary Gland Biology and Neoplasia</i> , 2005, 10, 37-47.	1.0	101

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19	Modelling the tumour microenvironment in long-term microencapsulated 3D co-cultures recapitulates phenotypic features of disease progression. <i>Biomaterials</i> , 2016, 78, 50-61.	5.7	99
20	c-Kit is required for growth and survival of the cells of origin of Brca1-mutation-associated breast cancer. <i>Oncogene</i> , 2012, 31, 869-883.	2.6	92
21	Wnt and Neuregulin1/ErbB signalling extends 3D culture of hormone responsive mammary organoids. <i>Nature Communications</i> , 2016, 7, 13207.	5.8	88
22	Identification of <i>Pik3ca</i> Mutation as a Genetic Driver of Prostate Cancer That Cooperates with <i>Pten</i> Loss to Accelerate Progression and Castration-Resistant Growth. <i>Cancer Discovery</i> , 2018, 8, 764-779.	7.7	72
23	Isolation, Culture and Analysis of Mouse Mammary Epithelial Cells. <i>Methods in Molecular Biology</i> , 2010, 633, 139-170.	0.4	71
24	Dishevelled (Dvl-2) activates canonical Wnt signalling in the absence of cytoplasmic puncta. <i>Journal of Cell Science</i> , 2005, 118, 5279-5289.	1.2	70
25	Clonal characterization of mouse mammary luminal epithelial and myoepithelial cells separated by fluorescence-activated cell sorting. <i>In Vitro Cellular and Developmental Biology - Animal</i> , 1998, 34, 711-721.	0.7	69
26	Isolation of Mouse Mammary Epithelial Subpopulations: A Comparison of Leading Methods. <i>Journal of Mammary Gland Biology and Neoplasia</i> , 2012, 17, 91-97.	1.0	65
27	Wnt signaling and mammary tumorigenesis. <i>Journal of Mammary Gland Biology and Neoplasia</i> , 2001, 6, 37-52.	1.0	63
28	Breast cancer stem cells: Obstacles to therapy. <i>Cancer Letters</i> , 2013, 338, 57-62.	3.2	61
29	Aurora A Kinase Regulates Mammary Epithelial Cell Fate by Determining Mitotic Spindle Orientation in a Notch-Dependent Manner. <i>Cell Reports</i> , 2013, 4, 110-123.	2.9	59
30	Separating Stem Cells by Flow Cytometry: Reducing Variability for Solid Tissues. <i>Cell Stem Cell</i> , 2009, 5, 579-583.	5.2	58
31	Differentiation of Separated Mouse Mammary Luminal Epithelial and Myoepithelial Cells Cultured on EHS Matrix Analyzed by Indirect Immunofluorescence of Cytoskeletal Antigens. <i>Journal of Histochemistry and Cytochemistry</i> , 1999, 47, 1513-1524.	1.3	56
32	Met signaling regulates growth, repopulating potential and basal cell-fate commitment of mammary luminal progenitors: implications for basal-like breast cancer. <i>Oncogene</i> , 2013, 32, 1428-1440.	2.6	53
33	Embryonic mammary signature subsets are activated in Brca1 <sup>-/-</sup> and basal-like breast cancers. <i>Breast Cancer Research</i> , 2013, 15, R25.	2.2	52
34	Common Molecular Mechanisms of Mammary Gland Development and Breast Cancer. <i>Cellular and Molecular Life Sciences</i> , 2007, 64, 3248-3260.	2.4	50
35	Developmental Programming Mediated by Complementary Roles of Imprinted Grb10 in Mother and Pup. <i>PLoS Biology</i> , 2014, 12, e1001799.	2.6	49
36	Mig6 Is a Sensor of EGF Receptor Inactivation that Directly Activates c-Abl to Induce Apoptosis during Epithelial Homeostasis. <i>Developmental Cell</i> , 2012, 23, 547-559.	3.1	47

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37	Identification of cellular and genetic drivers of breast cancer heterogeneity in genetically engineered mouse tumour models. <i>Journal of Pathology</i> , 2014, 233, 124-137.	2.1	47
38	Transcriptome analysis of embryonic mammary cells reveals insights into mammary lineage establishment. <i>Breast Cancer Research</i> , 2011, 13, R79.	2.2	46
39	Pregnancy in the mature adult mouse does not alter the proportion of mammary epithelial stem/progenitor cells. <i>Breast Cancer Research</i> , 2009, 11, R20.	2.2	44
40	Dual Mechanisms of LYN Kinase Dysregulation Drive Aggressive Behavior in Breast Cancer Cells. <i>Cell Reports</i> , 2018, 25, 3674-3692.e10.	2.9	43
41	The Cell of Origin of BRCA1 Mutation-associated Breast Cancer: A Cautionary Tale of Gene Expression Profiling. <i>Journal of Mammary Gland Biology and Neoplasia</i> , 2011, 16, 51-55.	1.0	41
42	Mouse mammary stem cells express prognostic markers for triple-negative breast cancer. <i>Breast Cancer Research</i> , 2015, 17, 31.	2.2	35
43	Runx2 contributes to the regenerative potential of the mammary epithelium. <i>Scientific Reports</i> , 2015, 5, 15658.	1.6	30
44	Identification of differentially expressed sense and antisense transcript pairs in breast epithelial tissues. <i>BMC Genomics</i> , 2009, 10, 324.	1.2	28
45	Regulator of G-protein signalling 2 mRNA is differentially expressed in mammary epithelial subpopulations and over-expressed in the majority of breast cancers. <i>Breast Cancer Research</i> , 2007, 9, R85.	2.2	24
46	PTEN loss and activation of K-RAS and $\beta$ -catenin cooperate to accelerate prostate tumourigenesis. <i>Journal of Pathology</i> , 2017, 243, 442-456.	2.1	23
47	Rapid activation of epithelial-mesenchymal transition drives PARP inhibitor resistance in <i>Brca2</i> -mutant mammary tumours. <i>Oncotarget</i> , 2019, 10, 2586-2606.	0.8	22
48	Prospective Isolation and Functional Analysis of Stem and Differentiated Cells from the Mouse Mammary Gland. <i>Stem Cell Reviews and Reports</i> , 2007, 3, 124-136.	5.6	21
49	APC2 is critical for ovarian WNT signalling control, fertility and tumour suppression. <i>BMC Cancer</i> , 2019, 19, 677.	1.1	21
50	IMMORTALIZATION OF HUMAN HEPATOCYTES BY TEMPERATURE-SENSITIVE SV40 LARGE-T ANTIGEN. <i>In Vitro Cellular and Developmental Biology - Animal</i> , 2001, 37, 166.	0.7	20
51	BRCA1 and stem cells: tumour typecasting. <i>Nature Cell Biology</i> , 2008, 10, 377-379.	4.6	18
52	Where are the Progenitors? Hormone Receptors and Mammary Cell Heterogeneity. <i>Journal of Mammary Gland Biology and Neoplasia</i> , 2015, 20, 63-73.	1.0	17
53	Immune Remodeling of the Extracellular Matrix Drives Loss of Cancer Stem Cells and Tumor Rejection. <i>Cancer Immunology Research</i> , 2020, 8, 1520-1531.	1.6	16
54	The future of mammary stem cell biology: the power of in vivo transplants. <i>Breast Cancer Research</i> , 2008, 10, 402; author reply 403.	2.2	15

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55	Receptor protein tyrosine phosphatase PTPRB negatively regulates FGF2-dependent branching morphogenesis. <i>Development (Cambridge)</i> , 2017, 144, 3777-3788.	1.2	15
56	Whole-exome DNA sequence analysis of <i>Brca2</i> and <i>Trp53</i> deficient mouse mammary gland tumours. <i>Journal of Pathology</i> , 2015, 236, 186-200.	2.1	14
57	A tissue reconstitution model to study cancer cell intrinsic and extrinsic factors in mammary tumourigenesis. <i>Journal of Pathology</i> , 2010, 220, 34-44.	2.1	13
58	Overview of Genetically Engineered Mouse Models of Breast Cancer Used in Translational Biology and Drug Development. <i>Current Protocols in Pharmacology</i> , 2015, 70, 14.36.1-14.36.14.	4.0	13
59	Annexin A8 Identifies a Subpopulation of Transiently Quiescent c-Kit Positive Luminal Progenitor Cells of the Ductal Mammary Epithelium. <i>PLoS ONE</i> , 2015, 10, e0119718.	1.1	13
60	An improved definition of mouse mammary epithelial side population cells. <i>Cytherapy</i> , 2005, 7, 497-508.	0.3	9
61	TSC-22D1 isoforms have opposing roles in mammary epithelial cell survival. <i>Cell Death and Differentiation</i> , 2010, 17, 304-315.	5.0	9
62	Protein tyrosine phosphatase 1B restrains mammary alveologenesis and secretory differentiation. <i>Development (Cambridge)</i> , 2013, 140, 117-125.	1.2	9
63	Integrating single-cell RNA-sequencing and functional assays to decipher mammary cell states and lineage hierarchies. <i>Npj Breast Cancer</i> , 2020, 6, 32.	2.3	8
64	Highway to heaven: mammary gland development and differentiation. <i>Breast Cancer Research</i> , 2008, 10, 305.	2.2	6
65	Slugging their way to immortality: driving mammary epithelial cells into a stem cell-like state. <i>Breast Cancer Research</i> , 2012, 14, 319.	2.2	4
66	Sequence variants of the axin gene in breast, colon, and other cancers: An analysis of mutations that interfere with GSK3 binding. <i>Genes Chromosomes and Cancer</i> , 2000, 28, 443-453.	1.5	4
67	Reproductive history determines <i>ErbB</i> locus amplification, WNT signalling and tumour phenotype in a murine breast cancer model. <i>DMM Disease Models and Mechanisms</i> , 2021, 14, .	1.2	3
68	Who do they think they are? Wnt-responsive cells reveal their family trees. <i>Breast Cancer Research</i> , 2012, 14, 327.	2.2	0
69	See One, Do One, Teach One: A Practical Course on Methods in Mammary Gland Biology. <i>Journal of Mammary Gland Biology and Neoplasia</i> , 2017, 22, 215-219.	1.0	0
70	Dissociation of estrogen receptor expression and in vivo stem cell activity in the mammary gland. <i>Journal of Experimental Medicine</i> , 2007, 204, i1-i1.	4.2	0