Robin L Anderson

List of Publications by Year in Descending Order

131 papers	6,984 citations	47 h-index	80 g-index
141 ext. papers	7,867 ext. citations	7.1 avg, IF	5.54 L-index

#	Paper	IF	Citations
131	Computational Screening of Anti-Cancer Drugs Identifies a New BRCA Independent Gene Expression Signature to Predict Breast Cancer Sensitivity to Cisplatin. *Cancers*, **2022**, 14, 2404	6.6	
130	Immunomodulatory effects of G-CSF in cancer: Therapeutic implications. *Seminars in Immunology*, **2021**, 101512	10.7	1
129	Mammary tumour cells remodel the bone marrow vascular microenvironment to support metastasis. *Nature Communications*, **2021**, 12, 6920	17.4	2
128	Targeting a cell surface vitamin D receptor on tumor-associated macrophages in triple-negative breast cancer. *ELife*, **2021**, 10,	8.9	4
127	The site of breast cancer metastases dictates their clonal composition and reversible transcriptomic profile. *Science Advances*, **2021**, 7,	14.3	2
126	Can preclinical drug development help to predict adverse events in clinical trials?. *Drug Discovery Today*, **2021**, 27, 257-257	8.8	2
125	PTU, a novel ureido-fatty acid, inhibits MDA-MB-231 cell invasion and dissemination by modulating Wnt5a secretion and cytoskeletal signaling. *Biochemical Pharmacology*, **2021**, 192, 114726	6	
124	Activation of Canonical BMP4-SMAD7 Signaling Suppresses Breast Cancer Metastasis. *Cancer Research*, **2020**, 80, 1304-1315	10.1	16
123	FGF13 promotes metastasis of triple-negative breast cancer. *International Journal of Cancer*, **2020**, 147, 230-243	7.5	13
122	Parity reduces mammary repopulating activity but does not affect mammary stem cells defined as CD24 + CD29/CD49fhi in mice. *Breast Cancer Research and Treatment*, **2020**, 183, 565-575	4.4	4
121	Synchrotron microbeam radiotherapy evokes a different early tumor immunomodulatory response to conventional radiotherapy in EMT6.5 mammary tumors. *Radiotherapy and Oncology*, **2019**, 133, 93-99	5.3	12
120	Neoadjuvant neratinib promotes ferroptosis and inhibits brain metastasis in a novel syngeneic model of spontaneous HER2 breast cancer metastasis. *Breast Cancer Research*, **2019**, 21, 94	8.3	41
119	Bone morphogenetic protein signaling in breast cancer progression. *Growth Factors*, **2019**, 37, 12-28	1.6	7
118	Breast tumour organoids: promising models for the genomic and functional characterisation of breast cancer. *Biochemical Society Transactions*, **2019**, 47, 109-117	5.1	15
117	A framework for the development of effective anti-metastatic agents. *Nature Reviews Clinical Oncology*, **2019**, 16, 185-204	19.4	119
116	Functional and genomic characterisation of a xenograft model system for the study of metastasis in triple-negative breast cancer. *DMM Disease Models and Mechanisms*, **2018**, 11,	4.1	14
115	Nephronectin is Correlated with Poor Prognosis in Breast Cancer and Promotes Metastasis via its Integrin-Binding Motifs. *Neoplasia*, **2018**, 20, 387-400	6.4	20

114	Neutrophils, G-CSF and their contribution to breast cancer metastasis. *FEBS Journal*, **2018**, 285, 665-679	5.7	68
113	Identification of brain metastasis genes and therapeutic evaluation of histone deacetylase inhibitors in a clinically relevant model of breast cancer brain metastasis. *DMM Disease Models and Mechanisms*, **2018**, 11,	4.1	15
112	The dark side of granulocyte-colony stimulating factor: a supportive therapy with potential to promote tumour progression. *Clinical and Experimental Metastasis*, **2018**, 35, 255-267	4.7	11
111	SCA-1 Labels a Subset of Estrogen-Responsive Bipotential Repopulating Cells within the CD24 CD49f Mammary Stem Cell-Enriched Compartment. *Stem Cell Reports*, **2017**, 8, 417-431	8	17
110	G-CSF Receptor Blockade Ameliorates Arthritic Pain and Disease. *Journal of Immunology*, **2017**, 198, 3565-3575	5.3	22
109	Does the mobilization of circulating tumour cells during cancer therapy cause metastasis?. *Nature Reviews Clinical Oncology*, **2017**, 14, 32-44	19.4	102
108	Towards a transcriptome-based theranostic platform for unfavorable breast cancer phenotypes. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, 12780-12785	11.5	27
107	Cancer-associated fibroblast-secreted CXCL16 attracts monocytes to promote stroma activation in triple-negative breast cancers. *Nature Communications*, **2016**, 7, 13050	17.4	94
106	OMIP-032: Two multi-color immunophenotyping panels for assessing the innate and adaptive immune cells in the mouse mammary gland. *Cytometry Part A: the Journal of the International Society for Analytical Cytology*, **2016**, 89, 527-30	4.6	10
105	The E3-ligase E6AP Represses Breast Cancer Metastasis via Regulation of ECT2-Rho Signaling. *Cancer Research*, **2016**, 76, 4236-48	10.1	25
104	Tumour but not stromal expression of β3 integrin is essential, and is required early, for spontaneous dissemination of bone-metastatic breast cancer. *Journal of Pathology*, **2015**, 235, 760-72	9.4	24
103	Loss of Host Type-I IFN Signaling Accelerates Metastasis and Impairs NK-cell Antitumor Function in Multiple Models of Breast Cancer. *Cancer Immunology Research*, **2015**, 3, 1207-17	12.5	47
102	Therapeutic DNA vaccination against colorectal cancer by targeting the MYB oncoprotein. *Clinical and Translational Immunology*, **2015**, 4, e30	6.8	33
101	Phenotype switching in melanoma: implications for progression and therapy. *Frontiers in Oncology*, **2015**, 5, 31	5.3	111
100	Functional and molecular characterisation of EO771.LMB tumours, a new C57BL/6-mouse-derived model of spontaneously metastatic mammary cancer. *DMM Disease Models and Mechanisms*, **2015**, 8, 237-51	4.1	100
99	Neutrophils: important contributors to tumor progression and metastasis. *Cancer and Metastasis Reviews*, **2015**, 34, 735-51	9.6	114
98	STC1 expression is associated with tumor growth and metastasis in breast cancer. *Clinical and Experimental Metastasis*, **2015**, 32, 15-27	4.7	57
97	Pro-apoptotic Bim suppresses breast tumor cell metastasis and is a target gene of SNAI2. *Oncogene* , **2015**, 34, 3926-34	9.2	22

96	Low Dose, Low Cost Estradiol Pellets Can Support MCF-7 Tumour Growth in Nude Mice without Bladder Symptoms. *Journal of Cancer*, **2015**, 6, 1331-6	4.5	25
95	MiR-200 can repress breast cancer metastasis through ZEB1-independent but moesin-dependent pathways. *Oncogene*, **2014**, 33, 4077-88	9.2	95
94	BMP4 inhibits breast cancer metastasis by blocking myeloid-derived suppressor cell activity. *Cancer Research*, **2014**, 74, 5091-102	10.1	82
93	Stromal fibroblasts and the immune microenvironment: partners in mammary gland biology and pathology?. *Journal of Mammary Gland Biology and Neoplasia*, **2014**, 19, 169-82	2.4	25
92	The promotion of breast cancer metastasis caused by inhibition of CSF-1R/CSF-1 signaling is blocked by targeting the G-CSF receptor. *Cancer Immunology Research*, **2014**, 2, 765-76	12.5	79
91	Rad51 supports triple negative breast cancer metastasis. *Oncotarget*, **2014**, 5, 3261-72	3.3	64
90	Bone-derived soluble factors and laminin-511 cooperate to promote migration, invasion and survival of bone-metastatic breast tumor cells. *Growth Factors*, **2014**, 32, 63-73	1.6	13
89	Mobilization of viable tumor cells into the circulation during radiation therapy. *International Journal of Radiation Oncology Biology Physics*, **2014**, 88, 395-403	4	54
88	In MMTV-Her-2/neu transgenic mammary tumors the absence of caveolin-1-/- alters PTEN and NHERF1 but not Ecatenin expression. *Cell Stress and Chaperones*, **2013**, 18, 559-67	4	1
87	LIM kinase inhibition reduces breast cancer growth and invasiveness but systemic inhibition does not reduce metastasis in mice. *Clinical and Experimental Metastasis*, **2013**, 30, 483-95	4.7	32
86	Caveolin-1 is necessary for hepatic oxidative lipid metabolism: evidence for crosstalk between caveolin-1 and bile acid signaling. *Cell Reports*, **2013**, 4, 238-47	10.6	43
85	Inhibition of established micrometastases by targeted drug delivery via cell surface-associated GRP78. *Clinical Cancer Research*, **2013**, 19, 2107-16	12.9	59
84	Determining epithelial contribution to in vivo mesenchymal tumour expression signature using species-specific microarray profiling analysis of xenografts. *Genetical Research*, **2013**, 95, 14-29	1.1	2
83	Integrin-dependent response to laminin-511 regulates breast tumor cell invasion and metastasis. *International Journal of Cancer*, **2012**, 130, 555-66	7.5	56
82	Absence of caveolin-1 alters heat shock protein expression in spontaneous mammary tumors driven by Her-2/neu expression. *Histochemistry and Cell Biology*, **2012**, 137, 187-94	2.4	13
81	Genome-wide transcription responses to synchrotron microbeam radiotherapy. *Radiation Research*, **2012**, 178, 249-59	3.1	27
80	Cathepsin B inhibition limits bone metastasis in breast cancer. *Cancer Research*, **2012**, 72, 1199-209	10.1	153
79	Silencing of Irf7 pathways in breast cancer cells promotes bone metastasis through immune escape. *Nature Medicine*, **2012**, 18, 1224-31	50.5	322

78	Hsp70 architecture: the formation of novel polymeric structures of Hsp70.1 and Hsc70 after proteotoxic stress. *PLoS ONE*, **2012**, 7, e52351	3.7	9
77	Strategies for the discovery and development of therapies for metastatic breast cancer. *Nature Reviews Drug Discovery*, **2012**, 11, 479-97	64.1	249
76	Caveolin-1 orchestrates the balance between glucose and lipid-dependent energy metabolism: implications for liver regeneration. *Hepatology*, **2012**, 55, 1574-84	11.2	60
75	Oncostatin m promotes mammary tumor metastasis to bone and osteolytic bone degradation. *Genes and Cancer*, **2012**, 3, 117-30	2.9	54
74	Optimizing DNA Vaccines Against Nuclear Oncogenes. *Immuno-gastroenterology*, **2012**, 1, 108		6
73	Laminin β-derived peptides modulate the properties of metastatic breast tumour cells. *Clinical and Experimental Metastasis*, **2011**, 28, 909-21	4.7	15
72	Human neuroblastoma SH-SY5Y cells show increased resistance to hyperthermic stress after differentiation, associated with elevated levels of Hsp72. *International Journal of Hyperthermia*, **2011**, 27, 415-26	3.7	9
71	MYB is essential for mammary tumorigenesis. *Cancer Research*, **2011**, 71, 7029-37	10.1	44
70	Modulation of cellular Hsp72 levels in undifferentiated and neuron-like SH-SY5Y cells determines resistance to staurosporine-induced apoptosis. *PLoS ONE*, **2011**, 6, e24473	3.7	6
69	Annexin-1 signals mitogen-stimulated breast tumor cell proliferation by activation of the formyl peptide receptors (FPRs) 1 and 2. *FASEB Journal*, **2011**, 25, 483-96	0.9	77
68	Multiple functions of CXCL12 in a syngeneic model of breast cancer. *Molecular Cancer*, **2010**, 9, 250	42.1	51
67	Tumor cell response to synchrotron microbeam radiation therapy differs markedly from cells in normal tissues. *International Journal of Radiation Oncology Biology Physics*, **2010**, 77, 886-94	4	117
66	Breast cancer lung metastasis requires expression of chemokine receptor CCR4 and regulatory T cells. *Cancer Research*, **2009**, 69, 5996-6004	10.1	212
65	An open letter to the FDA and other regulatory agencies: Preclinical drug development must consider the impact on metastasis. *Clinical Cancer Research*, **2009**, 15, 4529	12.9	30
64	Parathyroid hormone-related protein protects against mammary tumor emergence and is associated with monocyte infiltration in ductal carcinoma in situ. *Cancer Research*, **2009**, 69, 7473-9	10.1	34
63	A novel histone deacetylase inhibitor augments tamoxifen-mediated attenuation of breast carcinoma growth. *International Journal of Cancer*, **2009**, 125, 483-7	7.5	10
62	Hsp72 chaperone function is dispensable for protection against stress-induced apoptosis. *Cell Stress and Chaperones*, **2009**, 14, 253-63	4	18
61	Stromal cell expression of caveolin-1 predicts outcome in breast cancer. *American Journal of Pathology*, **2009**, 174, 2035-43	5.8	163

60	Primary tumour expression of the cysteine cathepsin inhibitor Stefin A inhibits distant metastasis in breast cancer. *Journal of Pathology*, **2008**, 214, 337-46	9.4	50
59	Tumor-specific Hsp70 plasma membrane localization is enabled by the glycosphingolipid Gb3. *PLoS ONE*, **2008**, 3, e1925	3.7	118
58	2-Methoxyestradiol--a unique blend of activities generating a new class of anti-tumour/anti-inflammatory agents. *Drug Discovery Today*, **2007**, 12, 577-84	8.8	69
57	Evidence for a role of tumor-derived laminin-511 in the metastatic progression of breast cancer. *American Journal of Pathology*, **2007**, 170, 2135-48	5.8	51
56	Transduction of tumor necrosis factor-related apoptosis-inducing ligand into hematopoietic cells leads to inhibition of syngeneic tumor growth in vivo. *Cancer Research*, **2006**, 66, 6304-11	10.1	31
55	Tumor-specific expression of alphavbeta3 integrin promotes spontaneous metastasis of breast cancer to bone. *Breast Cancer Research*, **2006**, 8, R20	8.3	205
54	The carboxyl-terminal domain of inducible Hsp70 protects from ischemic injury in vivo and in vitro. *Journal of Cerebral Blood Flow and Metabolism*, **2006**, 26, 937-50	7.3	59
53	ST7-mediated suppression of tumorigenicity of prostate cancer cells is characterized by remodeling of the extracellular matrix. *Oncogene*, **2006**, 25, 3924-33	9.2	16
52	TRAIL-induced apoptosis is enhanced by heat shock protein 70 expression. *Cell Stress and Chaperones*, **2006**, 11, 343-55	4	13
51	Expression of stress response protein glucose regulated protein-78 mediated by c-Myb. *International Journal of Biochemistry and Cell Biology*, **2005**, 37, 1254-68	5.6	34
50	2-methoxyestradiol is an estrogen receptor agonist that supports tumor growth in murine xenograft models of breast cancer. *Clinical Cancer Research*, **2005**, 11, 1722-32	12.9	36
49	Hsp72 inhibits Fas-mediated apoptosis upstream of the mitochondria in type II cells. *Journal of Biological Chemistry*, **2005**, 280, 9005-12	5.4	39
48	Genomic analysis of a spontaneous model of breast cancer metastasis to bone reveals a role for the extracellular matrix. *Molecular Cancer Research*, **2005**, 3, 1-13	6.6	111
47	Genomic Analysis of a Spontaneous Model of Breast Cancer Metastasis to Bone Reveals a Role for the Extracellular Matrix. *Molecular Cancer Research*, **2005**, 3, 1-13	6.6	159
46	Hsp72 inhibits apoptosis upstream of the mitochondria and not through interactions with Apaf-1. *Journal of Biological Chemistry*, **2004**, 279, 51490-9	5.4	107
45	Caveolin-1 inhibits breast cancer growth and metastasis. *Oncogene*, **2004**, 23, 7893-7	9.2	134
44	Novel inhibitors of urokinase-type plasminogen activator and matrix metalloproteinase expression in metastatic cancer cell lines. *International Journal of Cancer*, **2004**, 110, 610-6	7.5	17
43	Models of Breast Cancer Metastasis to Bone: Characterization of a Clinically Relevant Model. *Cancer Metastasis - Biology and Treatment*, **2004**, 1-18		2

42	Genes involved in breast cancer metastasis to bone. *Cellular and Molecular Life Sciences*, **2002**, 59, 1491-502	10.3	54
41	Prostate cancer in bone: importance of context for inhibition of matrix metalloproteinases. *Journal of the National Cancer Institute*, **2002**, 94, 4-5	9.7	8
40	Role of priming stresses and Hsp70 in protection from ischemia-reperfusion injury in cardiac and skeletal muscle. *Cell Stress and Chaperones*, **2001**, 6, 93-6	4	48
39	Prior heat stress improves survival of ischemic-reperfused skeletal muscle in vivo. *Muscle and Nerve*, **2000**, 23, 1847-55	3.4	40
38	MMP-9 secretion and MMP-2 activation distinguish invasive and metastatic sublines of a mouse mammary carcinoma system showing epithelial-mesenchymal transition traits. *Clinical and Experimental Metastasis*, **2000**, 18, 553-60	4.7	98
37	Heat-induced alterations in the localization of HSP72 and HSP73 as measured by indirect immunohistochemistry and immunogold electron microscopy. *Journal of Histochemistry and Cytochemistry*, **2000**, 48, 321-32	3.4	39
36	A novel orthotopic model of breast cancer metastasis to bone. *Clinical and Experimental Metastasis*, **1999**, 17, 163-70	4.7	302
35	The survival of skeletal muscle myoblasts in vitro is sensitive to a donor of nitric oxide and superoxide, SIN-1, but not to nitric oxide or peroxynitrite alone. *Nitric Oxide - Biology and Chemistry*, **1999**, 3, 273-80	5	13
34	Heat shock protein 72 modulates pathways of stress-induced apoptosis. *Journal of Biological Chemistry*, **1998**, 273, 17147-53	5.4	224
33	p53: functions, mutations and sarcomas. *Acta Orthopaedica*, **1997**, 273, 68-73		28
32	Analysis of heat shock protein 70 in human chromosome 21 containing hybrids. *International Journal of Biochemistry and Cell Biology*, **1996**, 28, 905-10	5.6	1
31	A hitchhikerS guide to the human Hsp70 family. *Cell Stress and Chaperones*, **1996**, 1, 23-8	4	288
30	Localization of the gene encoding the human heat shock cognate protein, HSP73, to chromosome 11. *Genomics*, **1995**, 29, 266-8	4.3	30
29	Characterization of novel hsp70 in mammalian cells. *International Journal of Hyperthermia*, **1994**, 10, 419-28	3.7	
28	An immunoassay for heat shock protein 73/72: use of the assay to correlate HSP73/72 levels in mammalian cells with heat response. *International Journal of Hyperthermia*, **1993**, 9, 539-52	3.7	18
27	A constitutive form of heat-shock protein 70 is located in the outer membranes of mitochondria from rat liver. *FEBS Letters*, **1993**, 332, 277-81	3.8	23
26	Hypoxia and Resistance to Hydrogen Peroxide Confer Resistance to Tumor Necrosis Factor in Murine L929 Cells. *Radiation Research*, **1992**, 131, 162	3.1	16
25	THERMOTOLERANCE IN HUMAN SUBJECTS: CLINICAL SIGNIFICANCE AND METHODS OF DETERMINATION **1992**, 940-945		

24	Heterogeneity of heat response in murine, canine and human tumors: influence on predictive assays. *International Journal of Radiation Oncology Biology Physics*, **1991**, 20, 479-88	4	6
23	Binding activity of glucocorticoid receptors after heat shock. *Experimental Cell Research*, **1991**, 197, 100-6	4.2	14
22	Changes in the expression of idiotype antigen on murine B-cell lymphoma after hyperthermia alone and in combination with interferon and tumour necrosis factor. *International Journal of Cancer*, **1990**, 45, 500-7	7.5	4
21	Hyperthermia in cancer therapy: current status. *Medical Journal of Australia*, **1990**, 152, 310-5	4	27
20	A comparison of thermal responses of human and rodent cells. *International Journal of Radiation Biology*, **1989**, 56, 817-25	2.9	40
19	Thermotolerance and heat shock protein induction by slow rates of heating. *International Journal of Radiation Oncology Biology Physics*, **1988**, 15, 717-25	4	15
18	Membrane lipids of B16 melanoma cells and heat-resistant variants. *International Journal of Radiation Biology*, **1988**, 54, 813-23	2.9	14
17	DNA damage does not appear to be a trigger for thermotolerance in mammalian cells. *International Journal of Radiation Biology*, **1988**, 54, 285-98	2.9	14
16	Glucocorticoid-induced heat resistance in mammalian cells. *Journal of Cellular Physiology*, **1986**, 128, 127-32	7	39
15	Heat Shock Protein Levels Are Not Elevated in Heat-Resistant B16 Melanoma Cells. *Radiation Research*, **1986**, 105, 240	3.1	37
14	Cholesterol content and heat sensitivity of nine mammalian cell lines. *International Journal of Hyperthermia*, **1985**, 1, 337-47	3.7	9
13	Responses of mouse lung to irradiation. 2. Levels of alveolar protein in lung lavage fluid following neutrons or X-rays. *Radiotherapy and Oncology*, **1985**, 4, 167-74	5.3	11
12	Responses of mouse lung to irradiation. 1. Alterations in alveolar surfactant after neutrons and X-rays. *Radiotherapy and Oncology*, **1985**, 3, 61-8	5.3	18
11	Differential Effects of Hyperthermia on the Na + , K + -ATPase of Chinese Hamster Ovary Cells. *Radiation Research*, **1985**, 102, 314	3.1	25
10	Attachment of fibroblasts following hyperthermia and ultrasound. *International Journal of Radiation Biology and Related Studies in Physics, Chemistry, and Medicine*, **1984**, 46, 399-407		1
9	Observations on the Cellular Effects of Ethanol and Hyperthermia in Vivo. *Radiation Research*, **1983**, 94, 318	3.1	9
8	Analysis of membrane lipid composition of mammalian cells during the development of thermotolerance. *International Journal of Radiation Biology and Related Studies in Physics, Chemistry, and Medicine*, **1982**, 42, 57-69		12
7	An organic phosphorus assay which avoids the use of hazardous perchloric acid. *Clinica Chimica Acta* , **1982**, 121, 111-6	6.2	93

6	Temperature-induced homeoviscous adaptation of Chinese hamster ovary cells. *Biochimica Et Biophysica Acta - Biomembranes*, **1981**, 641, 334-48	3.8	60
5	Form and function of arabinogalactans and arabinogalactan-proteins. *Phytochemistry*, **1979**, 18, 521-540	4	429
4	Labeling of the Plasma Membrane of Pea Cells by a Surface-localized Glucan Synthetase. *Plant Physiology*, **1978**, 61, 723-30	6.6	57
3	A Carbohydrate-Binding Arabinogalactan-Protein From Liquid Suspension Cultures of Endosperm From Lolium multiflorum. *Functional Plant Biology*, **1977**, 4, 143	2.7	51
2	Stromal-Derived Factors That Dictate Organ-Specific Metastasis	77-84	
1	Identification of brain metastasis genes and therapeutic evaluation of histone deacetylase inhibitors in a clinically relevant model of breast cancer brain metastasis		2