Erik Walter Thompson

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256 papers	18,424 citations	68 h-index	129 g-index
291 ext. papers	20,506 ext. citations	6.4 avg, IF	6.61 L-index

#	Paper	IF	Citations
256	The epithelial-mesenchymal transition: new insights in signaling, development, and disease. *Journal of Cell Biology*, **2006**, 172, 973-81	7.3	1625
255	Epithelial--mesenchymal and mesenchymal--epithelial transitions in carcinoma progression. *Journal of Cellular Physiology*, **2007**, 213, 374-83	7	863
254	Matrix metalloproteinase 13-deficient mice are resistant to osteoarthritic cartilage erosion but not chondrocyte hypertrophy or osteophyte development. *Arthritis and Rheumatism*, **2009**, 60, 3723-33		556
253	Carcinoma invasion and metastasis: a role for epithelial-mesenchymal transition?. *Cancer Research*, **2005**, 65, 5991-5; discussion 5995	10.1	507
252	Guidelines and definitions for research on epithelial-mesenchymal transition. *Nature Reviews Molecular Cell Biology*, **2020**, 21, 341-352	48.7	469
251	The fallacy of epithelial mesenchymal transition in neoplasia. *Cancer Research*, **2005**, 65, 5996-6000; discussion 6000-1	10.1	423
250	Association of increased basement membrane invasiveness with absence of estrogen receptor and expression of vimentin in human breast cancer cell lines. *Journal of Cellular Physiology*, **1992**, 150, 534-44	7	397
249	Mesenchymal-to-epithelial transition facilitates bladder cancer metastasis: role of fibroblast growth factor receptor-2. *Cancer Research*, **2006**, 66, 11271-8	10.1	361
248	Transmembrane/cytoplasmic domain-mediated membrane type 1-matrix metalloprotease docking to invadopodia is required for cell invasion. *Proceedings of the National Academy of Sciences of the United States of America*, **1997**, 94, 7959-64	11.5	345
247	Vimentin and epithelial-mesenchymal transition in human breast cancer--observations in vitro and in vivo. *Cells Tissues Organs*, **2007**, 185, 191-203	2.1	300
246	Beta-actin--an unsuitable internal control for RT-PCR. *Molecular and Cellular Probes*, **2001**, 15, 307-11	3.3	269
245	Epithelial mesenchymal transition traits in human breast cancer cell lines. *Clinical and Experimental Metastasis*, **2008**, 25, 629-42	4.7	254
244	Mesenchymal-epithelial transition (MET) as a mechanism for metastatic colonisation in breast cancer. *Cancer and Metastasis Reviews*, **2012**, 31, 469-78	9.6	249
243	Mesenchymal to epithelial transition in development and disease. *Cells Tissues Organs*, **2007**, 185, 7-19	2.1	239
242	Differentiation state and invasiveness of human breast cancer cell lines. *Breast Cancer Research and Treatment*, **1994**, 31, 325-35	4.4	234
241	Induction of epithelial-mesenchymal transition (EMT) in breast cancer cells is calcium signal dependent. *Oncogene*, **2014**, 33, 2307-16	9.2	232
240	Epithelial mesenchymal transition traits in human breast cancer cell lines parallel the CD44(hi/)CD24 (lo/-) stem cell phenotype in human breast cancer. *Journal of Mammary Gland Biology and Neoplasia*, **2010**, 15, 235-52	2.4	230

239	Targeting EMT in cancer: opportunities for pharmacological intervention. *Trends in Pharmacological Sciences*, **2014**, 35, 479-88	13.2	215
238	Epithelial to mesenchymal transition and breast cancer. *Breast Cancer Research*, **2009**, 11, 213	8.3	214
237	MT1-MMP expression promotes tumor growth and angiogenesis through an up-regulation of vascular endothelial growth factor expression. *FASEB Journal*, **2002**, 16, 555-64	0.9	213
236	Epithelial-mesenchymal interconversions in normal ovarian surface epithelium and ovarian carcinomas: an exception to the norm. *Journal of Cellular Physiology*, **2007**, 213, 581-8	7	192
235	Controversies around epithelial-mesenchymal plasticity in cancer metastasis. *Nature Reviews Cancer*, **2019**, 19, 716-732	31.3	183
234	Association of MMP-2 activation potential with metastatic progression in human breast cancer cell lines independent of MMP-2 production. *Journal of the National Cancer Institute*, **1993**, 85, 1758-64	9.7	180
233	Epithelial-to-mesenchymal transitions and circulating tumor cells. *Journal of Mammary Gland Biology and Neoplasia*, **2010**, 15, 261-73	2.4	177
232	Cisplatin treatment of primary and metastatic epithelial ovarian carcinomas generates residual cells with mesenchymal stem cell-like profile. *Journal of Cellular Biochemistry*, **2011**, 112, 2850-64	4.7	173
231	Role of intratumoural heterogeneity in cancer drug resistance: molecular and clinical perspectives. *EMBO Molecular Medicine*, **2012**, 4, 675-84	12	164
230	Isolation and characterization of tumor cells from the ascites of ovarian cancer patients: molecular phenotype of chemoresistant ovarian tumors. *PLoS ONE*, **2012**, 7, e46858	3.7	154
229	A dynamic in vivo model of epithelial-to-mesenchymal transitions in circulating tumor cells and metastases of breast cancer. *Oncogene*, **2012**, 31, 3741-53	9.2	152
228	Binding and degradation of hyaluronan by human breast cancer cell lines expressing different forms of CD44: correlation with invasive potential. *Journal of Cellular Physiology*, **1994**, 160, 275-86	7	151
227	Short-term single treatment of chemotherapy results in the enrichment of ovarian cancer stem cell-like cells leading to an increased tumor burden. *Molecular Cancer*, **2013**, 12, 24	42.1	147
226	An arteriovenous loop in a protected space generates a permanent, highly vascular, tissue-engineered construct. *FASEB Journal*, **2007**, 21, 511-22	0.9	146
225	Neutrophil gelatinase-associated lipocalin (NGAL) an early-screening biomarker for ovarian cancer: NGAL is associated with epidermal growth factor-induced epithelio-mesenchymal transition. *International Journal of Cancer*, **2007**, 120, 2426-34	7.5	143
224	Progression of human breast cancer cells from hormone-dependent to hormone-independent growth both in vitro and in vivo. *Proceedings of the National Academy of Sciences of the United States of America*, **1989**, 86, 3649-53	11.5	141
223	Cadherins in the human placenta--epithelial-mesenchymal transition (EMT) and placental development. *Placenta*, **2010**, 31, 747-55	3.4	135
222	High level of MT-MMP expression is associated with invasiveness of cervical cancer cells. *International Journal of Cancer*, **1996**, 65, 209-13	7.5	131

221	Mammographic density-a review on the current understanding of its association with breast cancer. *Breast Cancer Research and Treatment*, **2014**, 144, 479-502	4.4	130
220	CFTR expression is regulated during both the cycle of the seminiferous epithelium and the oestrous cycle of rodents. *Nature Genetics*, **1993**, 3, 157-64	36.3	121
219	The heat shock protein 90 inhibitor, 17-allylamino-17-demethoxygeldanamycin, enhances osteoclast formation and potentiates bone metastasis of a human breast cancer cell line. *Cancer Research*, **2005**, 65, 4929-38	10.1	118
218	Epidermal growth factor-induced epithelio-mesenchymal transition in human breast carcinoma cells. *Laboratory Investigation*, **2003**, 83, 435-48	5.9	116
217	Bone sialoprotein supports breast cancer cell adhesion proliferation and migration through differential usage of the alpha(v)beta3 and alpha(v)beta5 integrins. *Journal of Cellular Physiology*, **1998**, 176, 482-94	7	115
216	The influence of architecture on degradation and tissue ingrowth into three-dimensional poly(lactic-co-glycolic acid) scaffolds in vitro and in vivo. *Biomaterials*, **2006**, 27, 2854-64	15.6	115
215	Antisense-mediated suppression of hyaluronan synthase 2 inhibits the tumorigenesis and progression of breast cancer. *Cancer Research*, **2005**, 65, 6139-50	10.1	112
214	The influence of extracellular matrix on the generation of vascularized, engineered, transplantable tissue. *Annals of the New York Academy of Sciences*, **2001**, 944, 429-42	6.5	111
213	Molecular and cellular analysis of basement membrane invasion by human breast cancer cells in Matrigel-based in vitro assays. *Breast Cancer Research and Treatment*, **1993**, 24, 241-55	4.4	105
212	Roles of the matrix metalloproteinases in mammary gland development and cancer. *Breast Cancer Research and Treatment*, **1998**, 50, 97-116	4.4	104
211	High mammographic density is associated with an increase in stromal collagen and immune cells within the mammary epithelium. *Breast Cancer Research*, **2015**, 17, 79	8.3	102
210	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
209	Vimentin expression in cervical carcinomas: association with invasive and migratory potential. *Journal of Pathology*, **1996**, 180, 175-80	9.4	98
208	MT1-MMP correlates with MMP-2 activation potential seen after epithelial to mesenchymal transition in human breast carcinoma cells. *Clinical and Experimental Metastasis*, **1997**, 15, 111-20	4.7	94
207	Adipose differentiation of bone marrow-derived mesenchymal stem cells using Pluronic F-127 hydrogel in vitro. *Biomaterials*, **2008**, 29, 573-9	15.6	93
206	Mechanisms of tumour invasion and metastasis: emerging targets for therapy. *Expert Opinion on Therapeutic Targets*, **2002**, 6, 217-33	6.4	92
205	Matrix metalloproteinase-9 of tubular and macrophage origin contributes to the pathogenesis of renal fibrosis via macrophage recruitment through osteopontin cleavage. *Laboratory Investigation*, **2013**, 93, 434-49	5.9	91
204	Regulation of proliferation, invasion and growth factor synthesis in breast cancer by steroids. *Journal of Steroid Biochemistry and Molecular Biology*, **1990**, 37, 305-16	5.1	90

203	Adipose tissue engineering based on the controlled release of fibroblast growth factor-2 in a collagen matrix. *Tissue Engineering*, **2006**, 12, 3035-43		88
202	Spontaneous large volume adipose tissue generation from a vascularized pedicled fat flap inside a chamber space. *Tissue Engineering*, **2007**, 13, 673-81		87
201	Inhibition of the JAK2/STAT3 pathway in ovarian cancer results in the loss of cancer stem cell-like characteristics and a reduced tumor burden. *BMC Cancer*, **2014**, 14, 317	4.8	83
200	Breast cancer stem cells and epithelial mesenchymal plasticity - Implications for chemoresistance. *Cancer Letters*, **2013**, 341, 56-62	9.9	82
199	Host rather than graft origin of Matrigel-induced adipose tissue in the murine tissue-engineering chamber. *Tissue Engineering*, **2007**, 13, 2291-300		82
198	Bimolecular interaction of insulin-like growth factor (IGF) binding protein-2 with alphavbeta3 negatively modulates IGF-I-mediated migration and tumor growth. *Cancer Research*, **2004**, 64, 977-84	10.1	80
197	Induction of epithelial to mesenchymal transition in PMC42-LA human breast carcinoma cells by carcinoma-associated fibroblast secreted factors. *Breast Cancer Research*, **2007**, 9, R19	8.3	73
196	The orphan nuclear receptor LRH-1 promotes breast cancer motility and invasion. *Endocrine-Related Cancer*, **2010**, 17, 965-75	5.7	72
195	Pro-matrix metalloproteinase-2 transfection increases orthotopic primary growth and experimental metastasis of MDA-MB-231 human breast cancer cells in nude mice. *Cancer Research*, **2004**, 64, 652-8	10.1	72
194	Doxycycline-inducible expression of SPARC/Osteonectin/BM40 in MDA-MB-231 human breast cancer cells results in growth inhibition. *Breast Cancer Research and Treatment*, **2002**, 75, 73-85	4.4	72
193	Hypoxia-induced reactive oxygen species mediate N-cadherin and SERPINE1 expression, EGFR signalling and motility in MDA-MB-468 breast cancer cells. *Scientific Reports*, **2017**, 7, 15140	4.9	71
192	PPARgamma-independent induction of growth arrest and apoptosis in prostate and bladder carcinoma. *BMC Cancer*, **2006**, 6, 53	4.8	71
191	Oncogene-induced basement membrane invasiveness in human mammary epithelial cells. *Clinical and Experimental Metastasis*, **1994**, 12, 181-94	4.7	70
190	Invasive phenotype of MCF10A cells overexpressing c-Ha-ras and c-erbB-2 oncogenes. *International Journal of Cancer*, **1995**, 63, 815-22	7.5	70
189	Common origins of MDA-MB-435 cells from various sources with those shown to have melanoma properties. *Clinical and Experimental Metastasis*, **2004**, 21, 543-52	4.7	68
188	The Epithelial to Mesenchymal Transition and Metastatic Progression in Carcinoma. *Breast Journal*, **1996**, 2, 83-96	1.2	68
187	New Insights on COX-2 in Chronic Inflammation Driving Breast Cancer Growth and Metastasis. *Journal of Mammary Gland Biology and Neoplasia*, **2015**, 20, 109-19	2.4	67
186	Expression of c-ets-1 mRNA is associated with an invasive, EMT-derived phenotype in breast carcinoma cell lines. *Clinical and Experimental Metastasis*, **1997**, 15, 519-26	4.7	67

185	Contact with existing adipose tissue is inductive for adipogenesis in matrigel. *Tissue Engineering*, **2006**, 12, 2041-7		67
184	Epithelial-mesenchymal plasticity and circulating tumor cells: Travel companions to metastases. *Developmental Dynamics*, **2018**, 247, 432-450	2.9	66
183	The prognostic significance of circulating tumor cells in head and neck and non-small-cell lung cancer. *Cancer Medicine*, **2018**, 7, 5910-5919	4.8	66
182	Intermittent hypoxia induces a metastatic phenotype in breast cancer. *Oncogene*, **2018**, 37, 4214-4225	9.2	64
181	Involvement of focal adhesion kinase in inhibition of motility of human breast cancer cells by sphingosine 1-phosphate. *Experimental Cell Research*, **1999**, 247, 17-28	4.2	63
180	Activation of matrix metalloproteinase-2 (MMP-2) by membrane type 1 matrix metalloproteinase through an artificial receptor for proMMP-2 generates active MMP-2. *Cancer Research*, **2008**, 68, 9096-104	10.1	62
179	Altered purinergic receptor-Ca□+ signaling associated with hypoxia-induced epithelial-mesenchymal transition in breast cancer cells. *Molecular Oncology*, **2016**, 10, 166-78	7.9	61
178	Aberrant fibroblast growth factor receptor signaling in bladder and other cancers. *Differentiation*, **2007**, 75, 831-42	3.5	61
177	TRPC1 is a differential regulator of hypoxia-mediated events and Akt signalling in PTEN-deficient breast cancer cells. *Journal of Cell Science*, **2017**, 130, 2292-2305	5.3	59
176	The Emerging Role of Gas Plasma in Oncotherapy. *Trends in Biotechnology*, **2018**, 36, 1183-1198	15.1	59
175	Molecular profiling of human mammary gland links breast cancer risk to a p27(+) cell population with progenitor characteristics. *Cell Stem Cell*, **2013**, 13, 117-30	18	59
174	The invasive and metastatic properties of hormone-independent but hormone-responsive variants of MCF-7 human breast cancer cells. *Clinical and Experimental Metastasis*, **1993**, 11, 15-26	4.7	59
173	Defining the E-cadherin repressor interactome in epithelial-mesenchymal transition: the PMC42 model as a case study. *Cells Tissues Organs*, **2011**, 193, 23-40	2.1	58
172	Long-term stability of adipose tissue generated from a vascularized pedicled fat flap inside a chamber. *Plastic and Reconstructive Surgery*, **2011**, 127, 2283-2292	2.7	57
171	Tissue Factor Induced by Epithelial-Mesenchymal Transition Triggers a Procoagulant State That Drives Metastasis of Circulating Tumor Cells. *Cancer Research*, **2016**, 76, 4270-82	10.1	57
170	Enrichment of circulating head and neck tumour cells using spiral microfluidic technology. *Scientific Reports*, **2017**, 7, 42517	4.9	56
169	Gelatinase A (MMP-2) activation by skin fibroblasts: dependence on MT1-MMP expression and fibrillar collagen form. *Matrix Biology*, **2001**, 20, 193-203	11.4	56
168	Clinical implications of circulating tumor cells of breast cancer patients: role of epithelial-mesenchymal plasticity. *Frontiers in Oncology*, **2015**, 5, 42	5.3	55

167	Hormone resistance, invasiveness, and metastatic potential in breast cancer. *Breast Cancer Research and Treatment*, **1993**, 24, 227-39	4.4	54
166	Direct repression of MYB by ZEB1 suppresses proliferation and epithelial gene expression during epithelial-to-mesenchymal transition of breast cancer cells. *Breast Cancer Research*, **2013**, 15, R113	8.3	53
165	Myogel, a novel, basement membrane-rich, extracellular matrix derived from skeletal muscle, is highly adipogenic in vivo and in vitro. *Cells Tissues Organs*, **2008**, 188, 347-58	2.1	53
164	Upregulation of matrix metalloproteinases (MMPs) in breast cancer xenografts: a major induction of stromal MMP-13. *International Journal of Cancer*, **2005**, 114, 544-54	7.5	52
163	Hormonal carcinogenesis in breast cancer: cellular and molecular studies of malignant progression. *Breast Cancer Research and Treatment*, **1994**, 31, 237-48	4.4	52
162	lacZ transduced human breast cancer xenografts as an in vivo model for the study of invasion and metastasis. *European Journal of Cancer*, **1992**, 28A, 1989-95	7.5	51
161	The inter-relationships between ovarian-independent growth, tumorigenicity, invasiveness and antioestrogen resistance in the malignant progression of human breast cancer. *Journal of Endocrinology*, **1989**, 122, 331-40	4.7	51
160	Assessment of gene expression of intracellular calcium channels, pumps and exchangers with epidermal growth factor-induced epithelial-mesenchymal transition in a breast cancer cell line. *Cancer Cell International*, **2013**, 13, 76	6.4	50
159	Contribution of Fibroblast and Mast Cell (Afferent) and Tumor (Efferent) IL-6 Effects within the Tumor Microenvironment. *Cancer Microenvironment*, **2012**, 5, 83-93	6.1	50
158	EMT and MET in carcinoma--clinical observations, regulatory pathways and new models. *Clinical and Experimental Metastasis*, **2008**, 25, 591-2	4.7	50
157	An adipoinductive role of inflammation in adipose tissue engineering: key factors in the early development of engineered soft tissues. *Stem Cells and Development*, **2013**, 22, 1602-13	4.4	49
156	Collagen induced MMP-2 activation in human breast cancer. *Breast Cancer Research and Treatment*, **1994**, 31, 357-70	4.4	49
155	Frizzled-7 receptor ectodomain expression in a colon cancer cell line induces morphological change and attenuates tumor growth. *Differentiation*, **2005**, 73, 142-53	3.5	48
154	Zymosan-induced inflammation stimulates neo-adipogenesis. *International Journal of Obesity*, **2008**, 32, 239-48	5.5	47
153	Monocyte chemoattractant protein-1 and nitric oxide promote adipogenesis in a model that mimics obesity. *Obesity*, **2007**, 15, 2951-7	8	47
152	Upregulated MT1-MMP/TIMP-2 axis in the TSU-Pr1-B1/B2 model of metastatic progression in transitional cell carcinoma of the bladder. *Clinical and Experimental Metastasis*, **2005**, 22, 115-25	4.7	46
151	Remodeling of purinergic receptor-mediated Ca2+ signaling as a consequence of EGF-induced epithelial-mesenchymal transition in breast cancer cells. *PLoS ONE*, **2011**, 6, e23464	3.7	46
150	Targeting epithelial-mesenchymal plasticity in cancer: clinical and preclinical advances in therapy and monitoring. *Biochemical Journal*, **2017**, 474, 3269-3306	3.8	44

149	Targeted Disruption of the JAK2/STAT3 Pathway in Combination with Systemic Administration of Paclitaxel Inhibits the Priming of Ovarian Cancer Stem Cells Leading to a Reduced Tumor Burden. *Frontiers in Oncology*, **2014**, 4, 75	5.3	44
148	Type I collagen abrogates the clathrin-mediated internalization of membrane type 1 matrix metalloproteinase (MT1-MMP) via the MT1-MMP hemopexin domain. *Journal of Biological Chemistry*, **2006**, 281, 6826-40	5.4	44
147	CCL2-driven inflammation increases mammary gland stromal density and cancer susceptibility in a transgenic mouse model. *Breast Cancer Research*, **2017**, 19, 4	8.3	43
146	BM18: A novel androgen-dependent human prostate cancer xenograft model derived from a bone metastasis. *Prostate*, **2005**, 65, 35-43	4.2	43
145	The LCC15-MB human breast cancer cell line expresses osteopontin and exhibits an invasive and metastatic phenotype. *Experimental Cell Research*, **1998**, 241, 273-84	4.2	43
144	A Transcriptional Program for Detecting TGF-Induced EMT in Cancer. *Molecular Cancer Research*, **2017**, 15, 619-631	6.6	42
143	Time course analysis of hypoxia, granulation tissue and blood vessel growth, and remodeling in healing rat cutaneous incisional primary intention wounds. *Wound Repair and Regeneration*, **2006**, 14, 277-88	3.6	42
142	Sphingosine-1-phosphate, a novel second messenger involved in cell growth regulation and signal transduction, affects growth and invasiveness of human breast cancer cells. *Breast Cancer Research and Treatment*, **1994**, 31, 337-48	4.4	41
141	Stimulus-dependent differences in signalling regulate epithelial-mesenchymal plasticity and change the effects of drugs in breast cancer cell lines. *Cell Communication and Signaling*, **2015**, 13, 26	7.5	40
140	Reversible transdifferentiation of blood vascular endothelial cells to a lymphatic-like phenotype in vitro. *Journal of Cell Science*, **2010**, 123, 3808-16	5.3	40
139	Image-guided sampling reveals increased stroma and lower glandular complexity in mammographically dense breast tissue. *Breast Cancer Research and Treatment*, **2011**, 128, 505-16	4.4	39
138	Transfection of MDA-MB-231 human breast carcinoma cells with bone sialoprotein (BSP) stimulates migration and invasion in vitro and growth of primary and secondary tumors in nude mice. *Clinical and Experimental Metastasis*, **2004**, 21, 19-29	4.7	37
137	Short term ex-vivo expansion of circulating head and neck tumour cells. *Oncotarget*, **2016**, 7, 60101-60109	5.3	37
136	The ubiquitin ligase Siah is a novel regulator of Zeb1 in breast cancer. *Oncotarget*, **2015**, 6, 862-73	3.3	37
135	Interleukin-6 is a potent inducer of S100P, which is up-regulated in androgen-refractory and metastatic prostate cancer. *International Journal of Biochemistry and Cell Biology*, **2005**, 37, 442-50	5.6	36
134	An MMP13-selective inhibitor delays primary tumor growth and the onset of tumor-associated osteolytic lesions in experimental models of breast cancer. *PLoS ONE*, **2012**, 7, e29615	3.7	35
133	Hepatocyte growth factor stimulates invasion across reconstituted basement membranes by a new human small intestinal cell line. *Clinical and Experimental Metastasis*, **1994**, 12, 143-54	4.7	35
132	Epithelial requirement for in vitro proliferation and xenograft growth and metastasis of MDA-MB-468 human breast cancer cells: oncogenic rather than tumor-suppressive role of E-cadherin. *Breast Cancer Research*, **2017**, 19, 86	8.3	34

131	Scleral matrix metalloproteinases, serine proteinase activity and hydrational capacity are increased in myopia induced by retinal image degradation. *Experimental Eye Research*, **1996**, 63, 369-81	3.7	33
130	New Insights Into the Role of Phenotypic Plasticity and EMT in Driving Cancer Progression. *Frontiers in Molecular Biosciences*, **2020**, 7, 71	5.6	32
129	Substrate choice of membrane-type 1 matrix metalloproteinase is dictated by tissue inhibitor of metalloproteinase-2 levels. *Cancer Science*, **2007**, 98, 563-8	6.9	31
128	COMPLEXO: identifying the missing heritability of breast cancer via next generation collaboration. *Breast Cancer Research*, **2013**, 15, 402	8.3	30
127	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
126	The biology of breast tumor progression. Acquisition of hormone independence and resistance to cytotoxic drugs. *Acta Oncologica*, **1992**, 31, 115-23	3.2	30
125	Circulating Tumor Cell cluster phenotype allows monitoring response to treatment and predicts survival. *Scientific Reports*, **2019**, 9, 7933	4.9	29
124	ORAI1 and ORAI3 in Breast Cancer Molecular Subtypes and the Identification of ORAI3 as a Hypoxia Sensitive Gene and a Regulator of Hypoxia Responses. *Cancers*, **2019**, 11,	6.6	29
123	Myogel supports the ex-vivo amplification of corneal epithelial cells. *Experimental Eye Research*, **2009**, 88, 339-46	3.7	29
122	Calcium influx inhibits MT1-MMP processing and blocks MMP-2 activation. *FEBS Letters*, **1997**, 412, 568-72	3.8	29
121	Molecular aspects of tissue engineering in the dental field. *Periodontology 2000*, **2006**, 41, 88-108	12.9	29
120	Invasive activity and chemotactic response to growth factors by Kaposi sarcoma cells. *Journal of Cellular Biochemistry*, **1988**, 36, 369-76	4.7	29
119	The Kraken Wakes: induced EMT as a driver of tumour aggression and poor outcome. *Clinical and Experimental Metastasis*, **2018**, 35, 285-308	4.7	28
118	Selective involvement of TIMP-2 in the second activational cleavage of pro-MMP-2: refinement of the pro-MMP-2 activation mechanism. *FEBS Letters*, **2003**, 553, 457-63	3.8	28
117	Long-term persistence of tissue-engineered adipose flaps in a murine model to 1 year: an update. *Plastic and Reconstructive Surgery*, **2009**, 124, 1077-1084	2.7	26
116	The type I collagen induction of MT1-MMP-mediated MMP-2 activation is repressed by alphaVbeta3 integrin in human breast cancer cells. *Matrix Biology*, **2007**, 26, 291-305	11.4	26
115	Mammographic density: a potential monitoring biomarker for adjuvant and preventative breast cancer endocrine therapies. *Oncotarget*, **2017**, 8, 5578-5591	3.3	26
114	An epithelial to mesenchymal transition programme does not usually drive the phenotype of invasive lobular carcinomas. *Journal of Pathology*, **2016**, 238, 489-94	9.4	26

113	Revascularization and tissue regeneration of an empty root canal space is enhanced by a direct blood supply and stem cells. *Dental Traumatology*, **2013**, 29, 84-91	4.5	25
112	Heterogeneity of miR-10b expression in circulating tumor cells. *Scientific Reports*, **2015**, 5, 15980	4.9	25
111	MT1-MMP-dependent and -independent regulation of gelatinase A activation in long-term, ascorbate-treated fibroblast cultures: regulation by fibrillar collagen. *Experimental Cell Research*, **2002**, 272, 109-18	4.2	25
110	Staurosporine augments EGF-mediated EMT in PMC42-LA cells through actin depolymerisation, focal contact size reduction and Snail1 induction - a model for cross-modulation. *BMC Cancer*, **2009**, 9, 235	4.8	24
109	Correlation of tumor- and stromal-derived MT1-MMP expression with progression of human ovarian tumors in SCID mice. *Gynecologic Oncology*, **2004**, 95, 437-48	4.9	24
108	Regulation of ROCK1 via Notch1 during breast cancer cell migration into dense matrices. *BMC Cell Biology*, **2012**, 13, 12		23
107	Cold Atmospheric Plasma: A Promising Controller of Cancer Cell States. *Cancers*, **2020**, 12,	6.6	23
106	A role for calcium in the regulation of ATP-binding cassette, sub-family C, member 3 (ABCC3) gene expression in a model of epidermal growth factor-mediated breast cancer epithelial-mesenchymal transition. *Biochemical and Biophysical Research Communications*, **2015**, 458, 509-514	3.4	22
105	Modulation of breast cancer progression and differentiation by the gp30/heregulin [correction of neregulin]. *Breast Cancer Research and Treatment*, **1994**, 31, 175-82	4.4	22
104	Invasive and metastatic properties of MCF-7 cells and rasH-transfected MCF-7 cell lines. *International Journal of Cancer*, **1992**, 50, 665-9	7.5	22
103	Stimulation of MMP-11 (stromelysin-3) expression in mouse fibroblasts by cytokines, collagen and co-culture with human breast cancer cell lines. *BMC Cancer*, **2004**, 4, 40	4.8	21
102	Elevated cyclic AMP suppresses ConA-induced MT1-MMP expression in MDA-MB-231 human breast cancer cells. *Clinical and Experimental Metastasis*, **1998**, 16, 185-91	4.7	20
101	MicroRNAs in HPV associated cancers: small players with big consequences. *Expert Review of Molecular Diagnostics*, **2017**, 17, 711-722	3.8	19
100	Human breast cancer cell metastasis to long bone and soft organs of nude mice: a quantitative assay. *Clinical and Experimental Metastasis*, **1997**, 15, 173-83	4.7	19
99	An endogenously deposited fibrin scaffold determines construct size in the surgically created arteriovenous loop chamber model of tissue engineering. *Journal of Vascular Surgery*, **2008**, 48, 974-85	3.5	19
98	Soluble laminin and arginine-glycine-aspartic acid containing peptides differentially regulate type IV collagenase messenger RNA, activation, and localization in testicular cell culture. *Biology of Reproduction*, **1991**, 45, 387-94	3.9	19
97	A review of the influence of mammographic density on breast cancer clinical and pathological phenotype. *Breast Cancer Research and Treatment*, **2019**, 177, 251-276	4.4	18
96	Interrogation of Phenotypic Plasticity between Epithelial and Mesenchymal States in Breast Cancer. *Journal of Clinical Medicine*, **2019**, 8,	5.1	18

95	Endothelial precursor cells home to a vascularized tissue engineering chamber by application of the angiogenic chemokine CXCL12. *Tissue Engineering - Part A*, **2009**, 15, 655-64	3.9	18
94	Characterization and novel activation of 72-kDa metalloproteinase in retinal interphotoreceptor matrix and Y-79 cell culture medium. *Experimental Eye Research*, **1994**, 59, 257-69	3.7	18
93	Differential effects of superoxide dismutase and superoxide dismutase/catalase mimetics on human breast cancer cells. *Breast Cancer Research and Treatment*, **2015**, 150, 523-34	4.4	17
92	Intrinsics and dynamics of fat grafts: an in vitro study. *Plastic and Reconstructive Surgery*, **2010**, 126, 1155-1162	2.7	17
91	Second-harmonic generation from biological tissues: effect of excitation wavelength. *Scanning*, **2002**, 24, 175-8	1.6	17
90	Expression of 67 kDa laminin receptor in human breast cancer cells: regulation by progestins. *Clinical and Experimental Metastasis*, **1993**, 11, 251-61	4.7	17
89	Differential effects of two-pore channel protein 1 and 2 silencing in MDA-MB-468 breast cancer cells. *Biochemical and Biophysical Research Communications*, **2016**, 477, 731-736	3.4	17
88	High mammographic density in women is associated with protumor inflammation. *Breast Cancer Research*, **2018**, 20, 92	8.3	16
87	Dormant but migratory tumour cells in desmoplastic stroma of invasive ductal carcinomas. *Clinical and Experimental Metastasis*, **2012**, 29, 273-92	4.7	16
86	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
85	Minimal residual disease in breast cancer: an overview of circulating and disseminated tumour cells. *Clinical and Experimental Metastasis*, **2016**, 33, 521-50	4.7	16
84	Increased COX-2 expression in epithelial and stromal cells of high mammographic density tissues and in a xenograft model of mammographic density. *Breast Cancer Research and Treatment*, **2015**, 153, 89-99	4.4	15
83	Proteoglycans: Potential Agents in Mammographic Density and the Associated Breast Cancer Risk. *Journal of Mammary Gland Biology and Neoplasia*, **2015**, 20, 121-31	2.4	15
82	The role of biological extracellular matrix scaffolds in vascularized three-dimensional tissue growth in vivo. *Journal of Biomedical Materials Research - Part B Applied Biomaterials*, **2007**, 82, 122-8	3.5	15
81	Effect of handling and fixation processes on fluorescence spectroscopy of mouse skeletal muscles under two-photon excitation. *Applied Optics*, **2000**, 39, 6312-7	1.7	15
80	T -based sensing of mammographic density using single-sided portable NMR. *Magnetic Resonance in Medicine*, **2018**, 80, 1243-1251	4.4	14
79	An optimised direct lysis method for gene expression studies on low cell numbers. *Scientific Reports* , **2015**, 5, 12859	4.9	14
78	LCC15-MB cells are MDA-MB-435: a review of misidentified breast and prostate cell lines. *Clinical and Experimental Metastasis*, **2004**, 21, 535-41	4.7	14

77	Matrix Metalloproteases and Epithelial-to-Mesenchymal Transition **2005**, 297-315		14
76	Dynamic changes in high and low mammographic density human breast tissues maintained in murine tissue engineering chambers during various murine peripartum states and over time. *Breast Cancer Research and Treatment*, **2013**, 140, 285-97	4.4	13
75	High and low mammographic density human breast tissues maintain histological differential in murine tissue engineering chambers. *Breast Cancer Research and Treatment*, **2012**, 135, 177-87	4.4	13
74	Survival of rat functional dental pulp cells in vascularized tissue engineering chambers. *Tissue and Cell*, **2012**, 44, 111-21	2.7	13
73	Correlation between extent of osteolytic damage and metastatic burden of human breast cancer metastasis in nude mice: real-time PCR quantitation. *Clinical and Experimental Metastasis*, **2002**, 19, 377-83	4.7	13
72	Hematopoietic growth factor after autologous peripheral blood transplantation: comparison of G-CSF and GM-CSF. *Bone Marrow Transplantation*, **1999**, 23, 1251-6	4.4	13
71	Treatment with the vascular disruptive agent OXi4503 induces an immediate and widespread epithelial to mesenchymal transition in the surviving tumor. *Cancer Medicine*, **2013**, 2, 595-610	4.8	12
70	Effects of Tamoxifen and oestrogen on histology and radiographic density in high and low mammographic density human breast tissues maintained in murine tissue engineering chambers. *Breast Cancer Research and Treatment*, **2014**, 148, 303-14	4.4	12
69	In vitro and in vivo MMP gene expression localisation by In Situ-RT-PCR in cell culture and paraffin embedded human breast cancer cell line xenografts. *BMC Cancer*, **2006**, 6, 18	4.8	12
68	Adipose tissue induction in vivo. *Advances in Experimental Medicine and Biology*, **2006**, 585, 403-12	3.6	12
67	Transverse relaxation-based assessment of mammographic density and breast tissue composition by single-sided portable NMR. *Magnetic Resonance in Medicine*, **2019**, 82, 1199-1213	4.4	11
66	A collagen prolyl 4-hydroxylase inhibitor reduces adhesions after tendon injury. *Clinical Orthopaedics and Related Research*, **2006**, 451, 251-6	2.2	11
65	Regulation of breast cancer cells by hormones and growth factors: effects on proliferation and basement membrane invasiveness. *Hormone Research*, **1989**, 32 Suppl 1, 242-9		11
64	Regulation of basement membrane invasiveness in human breast cancer model systems. *Molecular and Cellular Endocrinology*, **1991**, 82, C203-8	4.4	11
63	Human-specific RNA analysis shows uncoupled epithelial-mesenchymal plasticity in circulating and disseminated tumour cells from human breast cancer xenografts. *Clinical and Experimental Metastasis*, **2019**, 36, 393-409	4.7	10
62	Multi-Omics Characterization of the Spontaneous Mesenchymal-Epithelial Transition in the PMC42 Breast Cancer Cell Lines. *Journal of Clinical Medicine*, **2019**, 8,	5.1	10
61	High threshold of □1 integrin inhibition required to block collagen I-induced membrane type-1 matrix metalloproteinase (MT1-MMP) activation of matrix metalloproteinase 2 (MMP-2). *Cancer Cell International*, **2014**, 14, 99	6.4	10
60	Collagen biosynthesis in cultured rat testicular Sertoli and peritubular myoid cells. *Life Sciences*, **1992**, 51, 1585-96	6.8	10

59	Prussian blue analogue nanoenzymes mitigate oxidative stress and boost bio-fermentation. *Nanoscale*, **2019**, 11, 19497-19505	7.7	9
58	Diversity of Epithelial-Mesenchymal Phenotypes in Circulating Tumour Cells from Prostate Cancer Patient-Derived Xenograft Models. *Cancers*, **2021**, 13,	6.6	9
57	Epithelial-to-Mesenchymal Transition Enhances Cancer Cell Sensitivity to Cytotoxic Effects of Cold Atmospheric Plasmas in Breast and Bladder Cancer Systems. *Cancers*, **2021**, 13,	6.6	9
56	DNA Methylation Profiling of Breast Cancer Cell Lines along the Epithelial Mesenchymal Spectrum-Implications for the Choice of Circulating Tumour DNA Methylation Markers. *International Journal of Molecular Sciences*, **2018**, 19,	6.3	9
55	Mammographically dense human breast tissue stimulates MCF10DCIS.com progression to invasive lesions and metastasis. *Breast Cancer Research*, **2016**, 18, 106	8.3	8
54	Soiling the seed: microenvironment and epithelial mesenchymal plasticity. *Cancer Microenvironment* , **2012**, 5, 1-3	6.1	8
53	Models for studying cellular invasion of basement membranes. *Methods in Molecular Biology*, **1999**, 129, 231-49	1.4	8
52	LCC15-MB: a vimentin-positive human breast cancer cell line from a femoral bone metastasis. *Clinical and Experimental Metastasis*, **1999**, 17, 193-204	4.7	8
51	Activation of the Ion Channel TRPV4 Induces Epithelial to Mesenchymal Transition in Breast Cancer Cells. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	8
50	Janus kinases and Src family kinases in the regulation of EGF-induced vimentin expression in MDA-MB-468 breast cancer cells. *International Journal of Biochemistry and Cell Biology*, **2016**, 76, 64-74	5.6	7
49	Assessment of CXC ligand 12-mediated calcium signalling and its regulators in basal-like breast cancer cells. *Oncology Letters*, **2018**, 15, 4289-4295	2.6	6
48	Targeting Epithelial Mesenchymal Plasticity in Pancreatic Cancer: A Compendium of Preclinical Discovery in a Heterogeneous Disease. *Cancers*, **2019**, 11,	6.6	6
47	Differential regulation of matrix metalloproteinase-2 activation in human breast cancer cell lines. *Annals of the New York Academy of Sciences*, **1994**, 732, 456-8	6.5	6
46	Genome-wide gain-of-function screen for genes that induce epithelial-to-mesenchymal transition in breast cancer. *Oncotarget*, **2016**, 7, 61000-61020	3.3	6
45	Heparanase Promotes Syndecan-1 Expression to Mediate Fibrillar Collagen and Mammographic Density in Human Breast Tissue Cultured. *Frontiers in Cell and Developmental Biology*, **2020**, 8, 599	5.7	6
44	Measuring and Modelling the Epithelial- Mesenchymal Hybrid State in Cancer: Clinical Implications. *Cells Tissues Organs*, **2021**, 1-24	2.1	6
43	Innovative Precision Gene-Editing Tools in Personalized Cancer Medicine. *Advanced Science*, **2020**, 7, 1902552	13.6	5
42	Mammary gland studies as important contributors to the cause of epithelial mesenchymal plasticity in malignancy. *Journal of Mammary Gland Biology and Neoplasia*, **2010**, 15, 113-5	2.4	5

41	Myoepithelial molecular markers in human breast carcinoma PMC42-LA cells are induced by extracellular matrix and stromal cells. *In Vitro Cellular and Developmental Biology - Animal*, **2006**, 42, 298-307	2.6	5
40	Epithelial-Mesenchymal Plasticity in Circulating Tumor Cells, the Precursors of Metastasis. *Advances in Experimental Medicine and Biology*, **2020**, 1220, 11-34	3.6	5
39	Hypoxia as a signal for prison breakout in cancer. *Current Opinion in Clinical Nutrition and Metabolic Care*, **2019**, 22, 250-263	3.8	5
38	Pubertal mammary gland development is a key determinant of adult mammographic density. *Seminars in Cell and Developmental Biology*, **2021**, 114, 143-158	7.5	5
37	TGF□Independently Regulates Invasiveness, Chemotaxis, and Proliferation of Human Breast Cancer Cells. *Annals of the New York Academy of Sciences*, **1990**, 593, 363-366	6.5	4
36	Integrin alpha-2 and beta-1 expression increases through multiple generations of the EDW01 patient-derived xenograft model of breast cancer-insight into their role in epithelial mesenchymal transition in vivo gained from an in vitro model system. *Breast Cancer Research*, **2020**, 22, 136	8.3	4
35	Quantification of breast tissue density: Correlation between single-sided portable NMR and micro-CT measurements. *Magnetic Resonance Imaging*, **2019**, 62, 111-120	3.3	3
34	Identifying Therapies to Combat Epithelial Mesenchymal Plasticity-Associated Chemoresistance to Conventional Breast Cancer Therapies Using An shRNA Library Screen. *Cancers*, **2020**, 12,	6.6	3
33	Looking beyond the mammogram to assess mammographic density: A narrative review. *Biomedical Spectroscopy and Imaging*, **2018**, 7, 63-80	1.3	3
32	Exemplary multiplex bisulfite amplicon data used to demonstrate the utility of Methpat. *GigaScience*, **2015**, 4, 55	7.6	3
31	Proteoglycan Production by Sertoli and Myoid Cells in Mono-, Co-, and Parabiotic-Culture. *Annals of the New York Academy of Sciences*, **1987**, 513, 415-418	6.5	3
30	Histone lactylation: epigenetic mark of glycolytic switch. *Trends in Genetics*, **2021**,	8.5	3
29	InforMD: a new initiative to raise public awareness about breast density. *Ecancermedicalscience*, **2018**, 12, 807	2.7	3
28	Studying the Metabolism of Epithelial-Mesenchymal Plasticity Using the Seahorse XFe96 Extracellular Flux Analyzer. *Methods in Molecular Biology*, **2021**, 2179, 327-340	1.4	3
27	A fence barrier method of leading edge cell capture for explorative biochemical research. *Cell Adhesion and Migration*, **2017**, 11, 496-503	3.2	2
26	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
25	Disparate companions: tissue engineering meets cancer research. *Cells Tissues Organs*, **2010**, 192, 141-57	2.1	2
24	IS-RT-PCR assay detection of MT-MMP in a human breast cancer cell line. *IUBMB Life*, **1996**, 39, 553-61	4.7	2

23	Lysine Acetylation, Cancer Hallmarks and Emerging Onco-Therapeutic Opportunities.. *Cancers*, **2022**, 14,	6.6	2
22	In-package plasma: From reactive chemistry to innovative food preservation technologies. *Trends in Food Science and Technology*, **2022**, 120, 59-74	15.3	2
21	Measuring and Modelling the Epithelial Mesenchymal Hybrid State in Cancer: Clinical Implications		2
20	The role of mechanical interactions in EMT. *Physical Biology*, **2021**, 18,	3	2
19	Human glandular organoid formation in murine engineering chambers after collagenase digestion and flow cytometry isolation of normal human breast tissue single cells. *Cell Biology International*, **2016**, 40, 1212-1223	4.5	2
18	Differential engagement of ORAI1 and TRPC1 in the induction of vimentin expression by different stimuli. *Laboratory Investigation*, **2020**, 100, 224-233	5.9	2
17	EMT process in bone metastasis **2015**, 451-459		1
16	Multiplexed tandem polymerase chain reaction identifies strong expression of oestrogen receptor and Her-2 from single, formalin-fixed, paraffin-embedded breast cancer sections. *Pathology*, **2010**, 42, 165-72	1.6	1
15	Pan-cancer quantitation of epithelial-mesenchymal transition dynamics using parallel reaction monitoring-based targeted proteomics approach.. *Journal of Translational Medicine*, **2022**, 20, 84	8.5	1
14	RASSF1A Suppression as a Potential Regulator of Mechano-Pathobiology Associated with Mammographic Density in BRCA Mutation Carriers. *Cancers*, **2021**, 13,	6.6	1
13	Out of the desert: the 4th TEMTIA Meeting on new advances in development, fibrosis and cancer. *Cells Tissues Organs*, **2011**, 193, 4-7	2.1	0
12	Neuropilin-1 is over-expressed in claudin-low breast cancer and promotes tumor progression through acquisition of stem cell characteristics and RAS/MAPK pathway activation.. *Breast Cancer Research*, **2022**, 24, 8	8.3	0
11	Mechanical Pressure Driving Proteoglycan Expression in Mammographic Density: a Self-perpetuating Cycle?. *Journal of Mammary Gland Biology and Neoplasia*, **2021**, 26, 277-296	2.4	0
10	EMT process in bone metastasis **2022**, 359-370		0
9	Circulating Tumour Cells Indicate the Presence of Residual Disease Post-Castration in Prostate Cancer Patient-Derived Xenograft Models.. *Frontiers in Cell and Developmental Biology*, **2022**, 10, 858013	5.7	0
8	The Continuum of Epithelial Mesenchymal Transition Implication of Hybrid States for Migration and Survival in Development and Cancer117-130		
7	The role of biological extracellular matrix scaffolds in vascularized three-dimensional tissue growth in vivo. *Journal of Biomedical Materials Research - Part B Applied Biomaterials*, **2008**, 85B, 300-300	3.5	
6	Quantitation of Bone Metastasis in Experimental Systems. *Cancer Metastasis - Biology and Treatment*, **2004**, 19-30		

5	Adipose Tissue Engineering Based on the Controlled Release of Fibroblast Growth Factor-2 in a Collagen Matrix. *Tissue Engineering*, **2006**, 061012064037001	
4	Towards the Therapeutic Targeting of Matrix Metalloproteinases in Breast Cancer **1999**, 437-452	
3	Reversible transdifferentiation of blood vascular endothelial cells to a lymphatic-like phenotype in vitro. *Development (Cambridge)*, **2010**, 137, e2208-e2208	6.6
2	Twenty Years on for The Epithelial-Mesenchymal Transition International Association (TEMTIA): An Interview with Co-Founders Erik Thompson and Donald Newgreen. *Cells Tissues Organs*, **2021**,	2.1
1	Partial Epithelial-Mesenchymal Transition: Reduced miR-4792 and miR-146b-5p Inversely Correlated with SIAH2 in Migrating Keratinocytes in Vitro. *Experimental Dermatology*, **2021**, 30, 1838-1839	4