Robert Clarke

List of Publications by Citations

338 papers	19,300 citations	61 h-index	132 g-index
380 ext. papers	21,237 ext. citations	6 avg, IF	6.15 L-index

#	Paper	IF	Citations
338	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). *Autophagy*, **2016**, 12, 1-222	10.2	3838
337	Guidelines for the use and interpretation of assays for monitoring autophagy. *Autophagy*, **2012**, 8, 445-544	10.2	2783
336	Cadmium mimics the in vivo effects of estrogen in the uterus and mammary gland. *Nature Medicine*, **2003**, 9, 1081-4	50.5	428
335	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
334	The properties of high-dimensional data spaces: implications for exploring gene and protein expression data. *Nature Reviews Cancer*, **2008**, 8, 37-49	31.3	370
333	Antiestrogen resistance in breast cancer and the role of estrogen receptor signaling. *Oncogene*, **2003**, 22, 7316-39	9.2	370
332	Meta-analysis of soy intake and breast cancer risk. *Journal of the National Cancer Institute*, **2006**, 98, 459-71	9.7	365
331	Multidrug resistance in breast cancer: a meta-analysis of MDR1/gp170 expression and its possible functional significance. *Journal of the National Cancer Institute*, **1997**, 89, 917-31	9.7	357
330	Cellular and molecular pharmacology of antiestrogen action and resistance. *Pharmacological Reviews*, **2001**, 53, 25-71	22.5	245
329	A maternal diet high in n - 6 polyunsaturated fats alters mammary gland development, puberty onset, and breast cancer risk among female rat offspring. *Proceedings of the National Academy of Sciences of the United States of America*, **1997**, 94, 9372-7	11.5	223
328	Therapeutically activating RB: reestablishing cell cycle control in endocrine therapy-resistant breast cancer. *Endocrine-Related Cancer*, **2011**, 18, 333-45	5.7	202
327	Endocrine resistance in breast cancer--An overview and update. *Molecular and Cellular Endocrinology*, **2015**, 418 Pt 3, 220-34	4.4	200
326	ATP binding cassette transporters and drug resistance in breast cancer. *Endocrine-Related Cancer*, **2003**, 10, 43-73	5.7	187
325	Prepubertal exposure to zearalenone or genistein reduces mammary tumorigenesis. *British Journal of Cancer*, **1999**, 80, 1682-8	8.7	155
324	Dynamic modelling of oestrogen signalling and cell fate in breast cancer cells. *Nature Reviews Cancer*, **2011**, 11, 523-32	31.3	154
323	Endoplasmic reticulum stress, the unfolded protein response, autophagy, and the integrated regulation of breast cancer cell fate. *Cancer Research*, **2012**, 72, 1321-31	10.1	153
322	Human X-box binding protein-1 confers both estrogen independence and antiestrogen resistance in breast cancer cell lines. *FASEB Journal*, **2007**, 21, 4013-27	0.9	149

321	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
320	MCF7/LCC2: a 4-hydroxytamoxifen resistant human breast cancer variant that retains sensitivity to the steroidal antiestrogen ICI 182,780. *Cancer Research*, **1993**, 53, 3229-32	10.1	140
319	Hydroxychloroquine inhibits autophagy to potentiate antiestrogen responsiveness in ER+ breast cancer. *Clinical Cancer Research*, **2014**, 20, 3222-32	12.9	136
318	MCF7/LCC9: an antiestrogen-resistant MCF-7 variant in which acquired resistance to the steroidal antiestrogen ICI 182,780 confers an early cross-resistance to the nonsteroidal antiestrogen tamoxifen. *Cancer Research*, **1997**, 57, 3486-93	10.1	131
317	Glucose-regulated protein 78 controls cross-talk between apoptosis and autophagy to determine antiestrogen responsiveness. *Cancer Research*, **2012**, 72, 3337-49	10.1	123
316	Maternal exposure to genistein during pregnancy increases carcinogen-induced mammary tumorigenesis in female rat offspring. *Oncology Reports*, **1999**, 6, 1089-95	3.5	120
315	Hormonal aspects of breast cancer. Growth factors, drugs and stromal interactions. *Critical Reviews in Oncology/Hematology*, **1992**, 12, 1-23	7	117
314	Autophagy and endocrine resistance in breast cancer. *Expert Review of Anticancer Therapy*, **2011**, 11, 1283-94	3.5	113
313	Molecular and pharmacological aspects of antiestrogen resistance. *Journal of Steroid Biochemistry and Molecular Biology*, **2001**, 76, 71-84	5.1	113
312	Multidrug resistance/P-glycoprotein and breast cancer: review and meta-analysis. *Seminars in Oncology*, **2005**, 32, S9-15	5.5	112
311	The effects of a constitutive expression of transforming growth factor-alpha on the growth of MCF-7 human breast cancer cells in vitro and in vivo. *Molecular Endocrinology*, **1989**, 3, 372-80		107
310	Interferon regulatory factor-1 (IRF-1) exhibits tumor suppressor activities in breast cancer associated with caspase activation and induction of apoptosis. *Carcinogenesis*, **2005**, 26, 1527-35	4.6	104
309	Human breast cancer cell line xenografts as models of breast cancer. The immunobiologies of recipient mice and the characteristics of several tumorigenic cell lines. *Breast Cancer Research and Treatment*, **1996**, 39, 69-86	4.4	104
308	Reduction of the membrane fluidity of human breast cancer cells by tamoxifen and 17 beta-estradiol. *Journal of the National Cancer Institute*, **1990**, 82, 1702-5	9.7	98
307	Differential dependency network analysis to identify condition-specific topological changes in biological networks. *Bioinformatics*, **2009**, 25, 526-32	7.2	97
306	Estrogen withdrawal-induced NF-kappaB activity and bcl-3 expression in breast cancer cells: roles in growth and hormone independence. *Molecular and Cellular Biology*, **2003**, 23, 6887-900	4.8	95
305	Acquisition of hormone-independent growth in MCF-7 cells is accompanied by increased expression of estrogen-regulated genes but without detectable DNA amplifications. *Cancer Research*, **1993**, 53, 283-90	10.1	94
304	Influence of berry polyphenols on receptor signaling and cell-death pathways: implications for breast cancer prevention. *Journal of Agricultural and Food Chemistry*, **2012**, 60, 5693-708	5.7	93

303	Induction of apoptosis by tamoxifen and ICI 182780 in primary breast cancer. *International Journal of Cancer*, **1997**, 72, 608-13	7.5	82
302	Molecular mechanisms of tamoxifen-associated endometrial cancer (Review). *Oncology Letters*, **2015**, 9, 1495-1501	2.6	81
301	Physical and functional interactions between Cas and c-Src induce tamoxifen resistance of breast cancer cells through pathways involving epidermal growth factor receptor and signal transducer and activator of transcription 5b. *Cancer Research*, **2006**, 66, 7007-15	10.1	80
300	MDA435/LCC6 and MDA435/LCC6MDR1: ascites models of human breast cancer. *British Journal of Cancer*, **1996**, 73, 154-61	8.7	80
299	Inhibiting glucose-regulated protein 78 modulates lipid metabolism through controlling stearoyl-CoA desaturase 1. *Cancer & Metabolism*, **2014**, 2,	5.4	78
298	Glutamine metabolism and the unfolded protein response in MYC-driven breast cancer. *Cancer & Metabolism*, **2014**, 2,	5.4	78
297	Robust identification of transcriptional regulatory networks using a Gibbs sampler on outlier sum statistic. *Bioinformatics*, **2014**, 30, 2242-2242	7.2	78
296	ERRgamma mediates tamoxifen resistance in novel models of invasive lobular breast cancer. *Cancer Research*, **2008**, 68, 8908-17	10.1	76
295	Psychosocial factors in the development and progression of breast cancer. *Breast Cancer Research and Treatment*, **1994**, 29, 141-60	4.4	75
294	Associations of Epicardial, Abdominal, and Overall Adiposity With Atrial Fibrillation. *Circulation: Arrhythmia and Electrophysiology*, **2016**, 9,	6.4	75
293	Recombinant human interferon alpha increases oestrogen receptor expression in human breast cancer cells (ZR-75-1) and sensitizes them to the anti-proliferative effects of tamoxifen. *British Journal of Cancer*, **1987**, 55, 255-7	8.7	74
292	Endoplasmic Reticulum Stress Protein GRP78 Modulates Lipid Metabolism to Control Drug Sensitivity and Antitumor Immunity in Breast Cancer. *Cancer Research*, **2016**, 76, 5657-5670	10.1	74
291	Inhibition of P-glycoprotein activity and reversal of multidrug resistance in vitro by rosemary extract. *European Journal of Cancer*, **1999**, 35, 1541-5	7.5	73
290	BCL2 and CASP8 regulation by NF-kappaB differentially affect mitochondrial function and cell fate in antiestrogen-sensitive and -resistant breast cancer cells. *FASEB Journal*, **2010**, 24, 2040-55	0.9	71
289	Breast cancer risk in rats fed a diet high in n-6 polyunsaturated fatty acids during pregnancy. *Journal of the National Cancer Institute*, **1996**, 88, 1821-7	9.7	70
288	Development and validation of a method for using breast core needle biopsies for gene expression microarray analyses. *Clinical Cancer Research*, **2002**, 8, 1155-66	12.9	70
287	Association of interferon regulatory factor-1, nucleophosmin, nuclear factor-kappaB, and cyclic AMP response element binding with acquired resistance to Faslodex (ICI 182,780). *Cancer Research*, **2002**, 62, 3428-37	10.1	70
286	NTP-CERHR expert panel report on the developmental toxicity of soy infant formula. *Birth Defects Research Part B: Developmental and Reproductive Toxicology*, **2011**, 92, 421-68		69

285	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
284	Knockdown of estrogen receptor-induces autophagy and inhibits antiestrogen-mediated unfolded protein response activation, promoting ROS-induced breast cancer cell death. *FASEB Journal*, **2014**, 28, 3891-905	0.9	67
283	Antiestrogens, aromatase inhibitors, and apoptosis in breast cancer. *Vitamins and Hormones*, **2005**, 71, 201-37	2.5	65
282	Dietary modulation of pregnancy estrogen levels and breast cancer risk among female rat offspring. *Clinical Cancer Research*, **2002**, 8, 3601-10	12.9	65
281	Enhancing reproducibility in cancer drug screening: how do we move forward?. *Cancer Research*, **2014**, 74, 4016-23	10.1	64
280	Gene network signaling in hormone responsiveness modifies apoptosis and autophagy in breast cancer cells. *Journal of Steroid Biochemistry and Molecular Biology*, **2009**, 114, 8-20	5.1	63
279	Identification of twenty alternatively spliced estrogen receptor alpha mRNAs in breast cancer cell lines and tumors using splice targeted primer approach. *Journal of Steroid Biochemistry and Molecular Biology*, **2000**, 72, 249-58	5.1	63
278	IFNgamma restores breast cancer sensitivity to fulvestrant by regulating STAT1, IFN regulatory factor 1, NF-kappaB, BCL2 family members, and signaling to caspase-dependent apoptosis. *Molecular Cancer Therapeutics*, **2010**, 9, 1274-85	6.1	62
277	Identifying cancer biomarkers by network-constrained support vector machines. *BMC Systems Biology*, **2011**, 5, 161	3.5	61
276	Disruption of estrogen receptor DNA-binding domain and related intramolecular communication restores tamoxifen sensitivity in resistant breast cancer. *Cancer Cell*, **2006**, 10, 487-99	24.3	61
275	Maternal genistein exposure mimics the effects of estrogen on mammary gland development in female mouse offspring. *Oncology Reports*, **1998**, 5, 609-16	3.5	61
274	Anti-proliferative and anti-estrogenic effects of ICI 164,384 and ICI 182,780 in 4-OH-tamoxifen-resistant human breast-cancer cells. *International Journal of Cancer*, **1994**, 56, 295-300	7.5	61
273	Resistance to TNF-alpha and adriamycin in the human breast cancer MCF-7 cell line: relationship to MDR1, MnSOD, and TNF gene expression. *Cancer Research*, **1994**, 54, 825-31	10.1	60
272	The influence of maternal diet on breast cancer risk among female offspring. *Nutrition*, **1999**, 15, 392-401	4.8	59
271	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
270	The role of X-box binding protein-1 in tumorigenicity. *Drug News and Perspectives*, **2009**, 22, 241-6		59
269	MYC regulates the unfolded protein response and glucose and glutamine uptake in endocrine resistant breast cancer. *Molecular Cancer*, **2014**, 13, 239	42.1	58
268	Two-dimensional gel electrophoresis analyses identify nucleophosmin as an estrogen regulated protein associated with acquired estrogen-independence in human breast cancer cells. *Journal of Steroid Biochemistry and Molecular Biology*, **1998**, 67, 391-402	5.1	58

267	Reversal of tamoxifen resistance of human breast carcinomas in vivo by neutralizing antibodies to transforming growth factor-beta. *Journal of the National Cancer Institute*, **1999**, 91, 46-53	9.7	58
266	The nuclear factor kappa B inhibitor parthenolide restores ICI 182,780 (Faslodex; fulvestrant)-induced apoptosis in antiestrogen-resistant breast cancer cells. *Molecular Cancer Therapeutics*, **2005**, 4, 33-41	6.1	58
265	The p160 family coactivators regulate breast cancer cell proliferation and invasion through autocrine/paracrine activity of SDF-1alpha/CXCL12. *Carcinogenesis*, **2005**, 26, 1706-15	4.6	57
264	interferon regulatory factor-1 mediates the proapoptotic but not cell cycle arrest effects of the steroidal antiestrogen ICI 182,780 (faslodex, fulvestrant). *Cancer Research*, **2004**, 64, 4030-9	10.1	56
263	Co-inhibition of BCL-W and BCL2 restores antiestrogen sensitivity through BECN1 and promotes an autophagy-associated necrosis. *PLoS ONE*, **2010**, 5, e8604	3.7	56
262	NF-B signaling is required for XBP1 (unspliced and spliced)-mediated effects on antiestrogen responsiveness and cell fate decisions in breast cancer. *Molecular and Cellular Biology*, **2015**, 35, 379-90	4.8	54
261	Caveolin-1 tyrosine phosphorylation enhances paclitaxel-mediated cytotoxicity. *Journal of Biological Chemistry*, **2007**, 282, 5934-43	5.4	54
260	Hormone resistance, invasiveness, and metastatic potential in breast cancer. *Breast Cancer Research and Treatment*, **1993**, 24, 227-39	4.4	54
259	Dynamic Modeling of the Interaction Between Autophagy and Apoptosis in Mammalian Cells. *CPT: Pharmacometrics and Systems Pharmacology*, **2015**, 4, 263-72	4.5	53
258	Animal models of breast cancer: their diversity and role in biomedical research. *Breast Cancer Research and Treatment*, **1996**, 39, 1-6	4.4	52
257	Hormonal carcinogenesis in breast cancer: cellular and molecular studies of malignant progression. *Breast Cancer Research and Treatment*, **1994**, 31, 237-48	4.4	52
256	Effect of P-glycoprotein expression on sensitivity to hormones in MCF-7 human breast cancer cells. *Journal of the National Cancer Institute*, **1992**, 84, 1506-12	9.7	51
255	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
254	Recommendations concerning the new U.S. National Institutes of Health initiative to balance the sex of cells and animals in preclinical research. *FASEB Journal*, **2015**, 29, 1646-52	0.9	50
253	Gamma-tocotrienol induced apoptosis is associated with unfolded protein response in human breast cancer cells. *Journal of Nutritional Biochemistry*, **2012**, 23, 93-100	6.3	50
252	Effect of tamoxifen on the multidrug-resistant phenotype in human breast cancer cells: isobologram, drug accumulation, and M(r) 170,000 glycoprotein (gp170) binding studies. *Cancer Research*, **1994**, 54, 441-7	10.1	50
251	The process of malignant progression in human breast cancer. *Annals of Oncology*, **1990**, 1, 401-7	10.3	49
250	Do estrogens always increase breast cancer risk?. *Journal of Steroid Biochemistry and Molecular Biology*, **2002**, 80, 163-74	5.1	48

249	GX15-070 (obatoclax) induces apoptosis and inhibits cathepsin D- and L-mediated autophagosomal lysis in antiestrogen-resistant breast cancer cells. *Molecular Cancer Therapeutics*, **2013**, 12, 448-59	6.1	47
248	Issues in experimental design and endpoint analysis in the study of experimental cytotoxic agents in vivo in breast cancer and other models. *Breast Cancer Research and Treatment*, **1997**, 46, 255-78	4.4	46
247	Maternal and prepubertal diet, mammary development and breast cancer risk. *Journal of Nutrition*, **2001**, 131, 154S-157S	4.1	46
246	Mitochondria directly donate their membrane to form autophagosomes during a novel mechanism of parkin-associated mitophagy. *Cell and Bioscience*, **2014**, 4, 16	9.8	45
245	Tyrosine-phosphorylated caveolin-1 (Tyr-14) increases sensitivity to paclitaxel by inhibiting BCL2 and BCLxL proteins via c-Jun N-terminal kinase (JNK). *Journal of Biological Chemistry*, **2012**, 287, 17682-17692	5.4	45
244	Approaches to working in high-dimensional data spaces: gene expression microarrays. *British Journal of Cancer*, **2008**, 98, 1023-8	8.7	45
243	Functionally active estrogen receptor isoform profiles in the breast tumors of African American women are different from the profiles in breast tumors of Caucasian women. *Cancer*, **2002**, 94, 615-23	6.4	44
242	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
241	Analysis of tyrosine kinase mRNAs including four FGF receptor mRNAs expressed in MCF-7 breast-cancer cells. *International Journal of Cancer*, **1992**, 50, 598-603	7.5	43
240	UNDO: a Bioconductor R package for unsupervised deconvolution of mixed gene expressions in tumor samples. *Bioinformatics*, **2015**, 31, 137-9	7.2	42
239	G-DOC: a systems medicine platform for personalized oncology. *Neoplasia*, **2011**, 13, 771-83	6.4	42
238	Endocrine therapy resistance can be associated with high estrogen receptor alpha (ERalpha) expression and reduced ERalpha phosphorylation in breast cancer models. *Endocrine-Related Cancer*, **2006**, 13, 1121-33	5.7	42
237	The multidrug resistance phenotype: 31P nuclear magnetic resonance characterization and 2-deoxyglucose toxicity. *Cancer Research*, **1991**, 51, 1638-44	10.1	42
236	Classification algorithms for phenotype prediction in genomics and proteomics. *Frontiers in Bioscience - Landmark*, **2008**, 13, 691-708	2.8	40
235	Endoplasmic reticulum stress, the unfolded protein response, and gene network modeling in antiestrogen resistant breast cancer. *Hormone Molecular Biology and Clinical Investigation*, **2011**, 5, 35-44	1.3	39
234	Mathematical modelling of transcriptional heterogeneity identifies novel markers and subpopulations in complex tissues. *Scientific Reports*, **2016**, 6, 18909	4.9	39
233	ER decreases breast cancer cell survival by regulating the IRE1/XBP-1 pathway. *Oncogene*, **2015**, 34, 4130-41	9.2	38
232	Application of metabolomics in drug resistant breast cancer research. *Metabolites*, **2015**, 5, 100-18	5.6	38

231	Alterations in behavior, steroid hormones and natural killer cell activity in male transgenic TGF alpha mice. *Brain Research*, **1992**, 588, 97-103	3.7	37
230	Lifetime Genistein Intake Increases the Response of Mammary Tumors to Tamoxifen in Rats. *Clinical Cancer Research*, **2017**, 23, 814-824	12.9	35
229	Autophagy inhibitor 3-methyladenine potentiates apoptosis induced by dietary tocotrienols in breast cancer cells. *European Journal of Nutrition*, **2015**, 54, 265-72	5.2	35
228	Orphan nuclear receptors in breast cancer pathogenesis and therapeutic response. *Endocrine-Related Cancer*, **2010**, 17, R213-31	5.7	35
227	Mechanisms mediating the effects of prepubertal (n-3) polyunsaturated fatty acid diet on breast cancer risk in rats. *Journal of Nutrition*, **2005**, 135, 2946S-2952S	4.1	34
226	Perinatal factors increase breast cancer risk. *Breast Cancer Research and Treatment*, **1994**, 31, 273-84	4.4	34
225	DDN: a caBIG analytical tool for differential network analysis. *Bioinformatics*, **2011**, 27, 1036-8	7.2	33
224	Constitutive expression of the steroid sulfatase gene supports the growth of MCF-7 human breast cancer cells in vitro and in vivo. *Endocrinology*, **2001**, 142, 1497-505	4.8	33
223	Development of an immobilized P-glycoprotein stationary phase for on-line liquid chromatographic determination of drug-binding affinities. *Biomedical Applications*, **2000**, 739, 33-7		32
222	The Role of Interferon Regulatory Factor-1 (IRF1) in Overcoming Antiestrogen Resistance in the Treatment of Breast Cancer. *International Journal of Breast Cancer*, **2011**, 2011, 912102	2.3	31
221	Iterative normalization of cDNA microarray data. *IEEE Transactions on Information Technology in Biomedicine*, **2002**, 6, 29-37		31
220	Monoclonal antibody against the ectodomain of E-cadherin (DECMA-1) suppresses breast carcinogenesis: involvement of the HER/PI3K/Akt/mTOR and IAP pathways. *Clinical Cancer Research* , **2013**, 19, 3234-46	12.9	30
219	Identifying protein interaction subnetworks by a bagging Markov random field-based method. *Nucleic Acids Research*, **2013**, 41, e42	20.1	30
218	Network motif-based identification of transcription factor-target gene relationships by integrating multi-source biological data. *BMC Bioinformatics*, **2008**, 9, 203	3.6	30
217	Competitive and allosteric interactions in ligand binding to P-glycoprotein as observed on an immobilized P-glycoprotein liquid chromatographic stationary phase. *Molecular Pharmacology*, **2001**, 59, 62-8	4.3	30
216	The biology of breast tumor progression. Acquisition of hormone independence and resistance to cytotoxic drugs. *Acta Oncologica*, **1992**, 31, 115-23	3.2	30
215	Inhibition of BET proteins impairs estrogen-mediated growth and transcription in breast cancers by pausing RNA polymerase advancement. *Breast Cancer Research and Treatment*, **2015**, 150, 265-78	4.4	29
214	Role of GRP78 in promoting therapeutic-resistant breast cancer. *Future Medicinal Chemistry*, **2015**, 7, 1529-34	4.1	29

213	G-DOC Plus - an integrative bioinformatics platform for precision medicine. *BMC Bioinformatics*, **2016**, 17, 193	3.6	29
212	Reverse engineering module networks by PSO-RNN hybrid modeling. *BMC Genomics*, **2009**, 10 Suppl 1, S15	4.5	28
211	Block principal component analysis with application to gene microarray data classification. *Statistics in Medicine*, **2002**, 21, 3465-74	2.3	28
210	Interferon regulatory factor-1 signaling regulates the switch between autophagy and apoptosis to determine breast cancer cell fate. *Cancer Research*, **2015**, 75, 1046-55	10.1	27
209	Genome-wide identification of significant aberrations in cancer genome. *BMC Genomics*, **2012**, 13, 342	4.5	27
208	Frequent loss of heterozygosity at the interferon regulatory factor-1 gene locus in breast cancer. *Breast Cancer Research and Treatment*, **2010**, 121, 227-31	4.4	27
207	Acquired estrogen independence and antiestrogen resistance in breast cancer: estrogen receptor driven phenotypes?. *Trends in Endocrinology and Metabolism*, **1996**, 7, 291-301	8.8	27
206	Inhibition of growth of MCF-7 MIII human breast carcinoma in nude mice by treatment with agonists or antagonists of LH-RH. *Breast Cancer Research and Treatment*, **1992**, 21, 35-45	4.4	27
205	C-7 analogues of progesterone as potent inhibitors of the P-glycoprotein efflux pump. *Journal of Medicinal Chemistry*, **2002**, 45, 390-8	8.3	26
204	IGF-I and IGF-II expression in human breast cancer xenografts: relationship to hormone independence. *Breast Cancer Research and Treatment*, **1992**, 22, 39-45	4.4	26
203	Where do selective estrogen receptor modulators (SERMs) and aromatase inhibitors (AIs) now fit into breast cancer treatment algorithms?. *Journal of Steroid Biochemistry and Molecular Biology*, **2001**, 79, 227-37	5.1	25
202	Modelling the effect of GRP78 on anti-oestrogen sensitivity and resistance in breast cancer. *Interface Focus*, **2013**, 3, 20130012	3.9	24
201	Unfolding the Role of Stress Response Signaling in Endocrine Resistant Breast Cancers. *Frontiers in Oncology*, **2015**, 5, 140	5.3	24
200	Soluble-E-cadherin activates HER and IAP family members in HER2+ and TNBC human breast cancers. *Molecular Carcinogenesis*, **2014**, 53, 893-906	5	24
199	The kinetics of methotrexate polyglutamate formation and efflux in a human breast cancer cell line (MDA.MB.436): the effect of insulin. *Biochemical Pharmacology*, **1983**, 32, 41-6	6	24
198	Knowledge-fused differential dependency network models for detecting significant rewiring in biological networks. *BMC Systems Biology*, **2014**, 8, 87	3.5	23
197	Mathematical models of the transitions between endocrine therapy responsive and resistant states in breast cancer. *Journal of the Royal Society Interface*, **2014**, 11, 20140206	4.1	23
196	EGR1 regulates cellular metabolism and survival in endocrine resistant breast cancer. *Oncotarget*, **2017**, 8, 96865-96884	3.3	23

195	Optimized multilayer perceptrons for molecular classification and diagnosis using genomic data. *Bioinformatics*, **2006**, 22, 755-61	7.2	23
194	Acquisition of estrogen independence induces TOB1-related mechanisms supporting breast cancer cell proliferation. *Oncogene*, **2016**, 35, 1643-56	9.2	22
193	Network motif-based identification of breast cancer susceptibility genes. *Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference*, **2008**, 2008, 5696-9	0.9	22
192	Regulation of human breast cancer by secreted growth factors. *Acta Oncologica*, **1989**, 28, 835-9	3.2	22
191	Expression patterns among interferon regulatory factor-1, human X-box binding protein-1, nuclear factor kappa B, nucleophosmin, estrogen receptor-alpha and progesterone receptor proteins in breast cancer tissue microarrays. *International Journal of Oncology*, **2006**, 28, 67-76	1	22
190	Breast cancer cell obatoclax response characterization using passivated-electrode insulator-based dielectrophoresis. *Electrophoresis*, **2017**, 38, 1988-1995	3.6	21
189	Glutamine Metabolism Drives Growth in Advanced Hormone Receptor Positive Breast Cancer. *Frontiers in Oncology*, **2019**, 9, 686	5.3	21
188	VAV3 mediates resistance to breast cancer endocrine therapy. *Breast Cancer Research*, **2014**, 16, R53	8.3	21
187	Heat shock 70 kDa protein 5/glucose-regulated protein 78 "AMP"ing up autophagy. *Autophagy*, **2012**, 8, 1827-9	10.2	21
186	Targeting GRP78 and antiestrogen resistance in breast cancer. *Future Medicinal Chemistry*, **2013**, 5, 1047-57	4.1	21
185	Overexpression of the dominant-negative form of interferon regulatory factor 1 in oligodendrocytes protects against experimental autoimmune encephalomyelitis. *Journal of Neuroscience*, **2011**, 31, 8329-41	6.6	21
184	Gene signaling pathways mediating the opposite effects of prepubertal low-fat and high-fat n-3 polyunsaturated fatty acid diets on mammary cancer risk. *Cancer Prevention Research*, **2008**, 1, 532-45	3.2	21
183	Estrogen receptor alpha positive breast tumors and breast cancer cell lines share similarities in their transcriptome data structures. *International Journal of Oncology*, **2006**, 29, 1581-9	1	21
182	Modeling the estrogen receptor to growth factor receptor signaling switch in human breast cancer cells. *FEBS Letters*, **2013**, 587, 3327-34	3.8	20
181	Knowledge-guided multi-scale independent component analysis for biomarker identification. *BMC Bioinformatics*, **2008**, 9, 416	3.6	20
180	Animal models of breast cancer: experimental design and their use in nutrition and psychosocial research. *Breast Cancer Research and Treatment*, **1997**, 46, 117-33	4.4	19
179	Progressive loss of estrogen receptor alpha cofactor recruitment in endocrine resistance. *Molecular Endocrinology*, **2007**, 21, 2615-26		19
178	Differential distribution of protein phosphatase 2A in human breast carcinoma cell lines and its relation to estrogen receptor status. *Cancer Letters*, **1999**, 136, 143-51	9.9	19

177	Enhancement of methotrexate cytotoxicity towards the MDA.MB.436 human breast cancer cell line by dipyridamole. The role of methotrexate polyglutamates. *Biochemical Pharmacology*, **1986**, 35, 3053-6	6	19
176	Effects of In Utero Exposure to Ethinyl Estradiol on Tamoxifen Resistance and Breast Cancer Recurrence in a Preclinical Model. *Journal of the National Cancer Institute*, **2017**, 109,	9.7	18
175	Multilevel support vector regression analysis to identify condition-specific regulatory networks. *Bioinformatics*, **2010**, 26, 1416-22	7.2	18
174	Effect of cytotoxic drugs on estrogen receptor expression and response to tamoxifen in MCF-7 cells. *Cancer Research*, **1986**, 46, 6116-9	10.1	18
173	Radiogenomic signatures reveal multiscale intratumour heterogeneity associated with biological functions and survival in breast cancer. *Nature Communications*, **2020**, 11, 4861	17.4	18
172	Motif-directed network component analysis for regulatory network inference. *BMC Bioinformatics*, **2008**, 9 Suppl 1, S21	3.6	17
171	Oestrogen receptor status and the response of human breast cancer cell lines to a combination of methotrexate and 17-beta oestradiol. *British Journal of Cancer*, **1985**, 51, 365-9	8.7	17
170	Autophagy and unfolded protein response (UPR) regulate mammary gland involution by restraining apoptosis-driven irreversible changes. *Cell Death Discovery*, **2018**, 4, 40	6.9	17
169	Estrogens, phytoestrogens, and breast cancer. *Advances in Experimental Medicine and Biology*, **1996**, 401, 63-85	3.6	17
168	KDDN: an open-source Cytoscape app for constructing differential dependency networks with significant rewiring. *Bioinformatics*, **2015**, 31, 287-9	7.2	16
167	DM-BLD: differential methylation detection using a hierarchical Bayesian model exploiting local dependency. *Bioinformatics*, **2017**, 33, 161-168	7.2	16
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