

Peter T Simpson

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

112
papers

8,519
citations

46
h-index

92
g-index

130
ext. papers

10,727
ext. citations

8.6
avg. IF

7.15
L-index

#	Paper	IF	Citations
112	Landscape of somatic mutations in 560 breast cancer whole-genome sequences. <i>Nature</i> , 2016 , 534, 47-54	50.4	1193
111	Pan-cancer analysis of whole genomes. <i>Nature</i> , 2020 , 578, 82-93	50.4	840
110	HRDetect is a predictor of BRCA1 and BRCA2 deficiency based on mutational signatures. <i>Nature Medicine</i> , 2017 , 23, 517-525	50.5	444
109	Molecular evolution of breast cancer. <i>Journal of Pathology</i> , 2005 , 205, 248-54	9.4	391
108	Mobile DNA in cancer. Extensive transduction of nonrepetitive DNA mediated by L1 retrotransposition in cancer genomes. <i>Science</i> , 2014 , 345, 1251-343	33.3	250
107	Metaplastic breast carcinomas are basal-like tumours. <i>Histopathology</i> , 2006 , 49, 10-21	7.3	244
106	FGFR1 emerges as a potential therapeutic target for lobular breast carcinomas. <i>Clinical Cancer Research</i> , 2006 , 12, 6652-62	12.9	228
105	Columnar cell lesions of the breast: the missing link in breast cancer progression? A morphological and molecular analysis. <i>American Journal of Surgical Pathology</i> , 2005 , 29, 734-46	6.7	219
104	EGFR amplification and lack of activating mutations in metaplastic breast carcinomas. <i>Journal of Pathology</i> , 2006 , 209, 445-53	9.4	203
103	Distribution of p63, cytokeratins 5/6 and cytokeratin 14 in 51 normal and 400 neoplastic human tissue samples using TARP-4 multi-tumor tissue microarray. <i>Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin</i> , 2003 , 443, 122-32	5.1	201
102	Genomic catastrophes frequently arise in esophageal adenocarcinoma and drive tumorigenesis. <i>Nature Communications</i> , 2014 , 5, 5224	17.4	176
101	Invasive lobular carcinoma of the breast: morphology, biomarkers and omics. <i>Breast Cancer Research</i> , 2015 , 17, 12	8.3	170
100	Pleomorphic lobular carcinoma of the breast: role of comprehensive molecular pathology in characterization of an entity. <i>Journal of Pathology</i> , 2005 , 207, 1-13	9.4	155
99	Point Mutations in Exon 1B of APC Reveal Gastric Adenocarcinoma and Proximal Polyposis of the Stomach as a Familial Adenomatous Polyposis Variant. <i>American Journal of Human Genetics</i> , 2016 , 98, 830-842	11	153
98	Molecular profiling pleomorphic lobular carcinomas of the breast: evidence for a common molecular genetic pathway with classic lobular carcinomas. <i>Journal of Pathology</i> , 2008 , 215, 231-44	9.4	133
97	cDNA microarray analysis of genes associated with ERBB2 (HER2/neu) overexpression in human mammary luminal epithelial cells. <i>Oncogene</i> , 2003 , 22, 2680-8	9.2	131
96	Aberrant expression of E-cadherin in lobular carcinomas of the breast. <i>American Journal of Surgical Pathology</i> , 2008 , 32, 773-83	6.7	128

95	miR-139-5p is a regulator of metastatic pathways in breast cancer. <i>Rna</i> , 2013 , 19, 1767-80	5.8	121
94	Metaplastic breast carcinomas exhibit EGFR, but not HER2, gene amplification and overexpression: immunohistochemical and chromogenic in situ hybridization analysis. <i>Breast Cancer Research</i> , 2005 , 7, R1028-35	8.3	116
93	Metastatic progression of breast cancer: insights from 50 years of autopsies. <i>Journal of Pathology</i> , 2014 , 232, 23-31	9.4	112
92	Molecular classification of breast cancer. <i>Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin</i> , 2014 , 465, 1-14	5.1	106
91	MicroRNA-182-5p targets a network of genes involved in DNA repair. <i>Rna</i> , 2013 , 19, 230-42	5.8	95
90	The diagnosis and management of pre-invasive breast disease: pathology of atypical lobular hyperplasia and lobular carcinoma in situ. <i>Breast Cancer Research</i> , 2003 , 5, 258-62	8.3	93
89	The molecular genetics of breast cancer: the contribution of comparative genomic hybridization. <i>Pathology Research and Practice</i> , 2005 , 201, 713-25	3.4	93
88	Gene expression profiling of tumour epithelial and stromal compartments during breast cancer progression. <i>Breast Cancer Research and Treatment</i> , 2012 , 135, 153-65	4.4	92
87	Calcium channel TRPV6 as a potential therapeutic target in estrogen receptor-negative breast cancer. <i>Molecular Cancer Therapeutics</i> , 2012 , 11, 2158-68	6.1	88
86	HER3 and downstream pathways are involved in colonization of brain metastases from breast cancer. <i>Breast Cancer Research</i> , 2010 , 12, R46	8.3	87
85	Subtypes of familial breast tumours revealed by expression and copy number profiling. <i>Breast Cancer Research and Treatment</i> , 2010 , 123, 661-77	4.4	81
84	Unlocking pathology archives for molecular genetic studies: a reliable method to generate probes for chromogenic and fluorescent in situ hybridization. <i>Laboratory Investigation</i> , 2006 , 86, 398-408	5.9	76
83	Breast cancer genome and transcriptome integration implicates specific mutational signatures with immune cell infiltration. <i>Nature Communications</i> , 2016 , 7, 12910	17.4	74
82	DNA methylome of familial breast cancer identifies distinct profiles defined by mutation status. <i>American Journal of Human Genetics</i> , 2010 , 86, 420-33	11	73
81	Integrated genomic and transcriptomic analysis of human brain metastases identifies alterations of potential clinical significance. <i>Journal of Pathology</i> , 2015 , 237, 363-78	9.4	72
80	Processed pseudogenes acquired somatically during cancer development. <i>Nature Communications</i> , 2014 , 5, 3644	17.4	68
79	Molecular evidence for progression of microglandular adenosis (MGA) to invasive carcinoma. <i>American Journal of Surgical Pathology</i> , 2009 , 33, 496-504	6.7	66
78	Rad51 supports triple negative breast cancer metastasis. <i>Oncotarget</i> , 2014 , 5, 3261-72	3.3	64

77	Distribution and significance of 14-3-3sigma, a novel myoepithelial marker, in normal, benign, and malignant breast tissue. <i>Journal of Pathology</i> , 2004 , 202, 274-85	9.4	60
76	Treatment of triple-negative breast cancer using anti-EGFR-directed radioimmunotherapy combined with radiosensitizing chemotherapy and PARP inhibitor. <i>Journal of Nuclear Medicine</i> , 2013 , 54, 913-21	8.9	59
75	Gene expression profiling of formalin-fixed, paraffin-embedded familial breast tumours using the whole genome-DASL assay. <i>Journal of Pathology</i> , 2010 , 221, 452-61	9.4	57
74	The circular RNome of primary breast cancer. <i>Genome Research</i> , 2019 , 29, 356-366	9.7	55
73	A somatic-mutational process recurrently duplicates germline susceptibility loci and tissue-specific super-enhancers in breast cancers. <i>Nature Genetics</i> , 2017 , 49, 341-348	36.3	54
72	A fine-scale dissection of the DNA double-strand break repair machinery and its implications for breast cancer therapy. <i>Nucleic Acids Research</i> , 2014 , 42, 6106-27	20.1	53
71	Frequent somatic transfer of mitochondrial DNA into the nuclear genome of human cancer cells. <i>Genome Research</i> , 2015 , 25, 814-24	9.7	52
70	Heritable DNA methylation marks associated with susceptibility to breast cancer. <i>Nature Communications</i> , 2018 , 9, 867	17.4	52
69	Mammographic and ultrasound features of invasive lobular carcinoma of the breast. <i>Journal of Medical Imaging and Radiation Oncology</i> , 2014 , 58, 1-10	1.7	50
68	In vitro analysis of breast cancer cell line tumourspheres and primary human breast epithelia mammospheres demonstrates inter- and intrasphere heterogeneity. <i>PLoS ONE</i> , 2013 , 8, e64388	3.7	48
67	Runx2 is a novel regulator of mammary epithelial cell fate in development and breast cancer. <i>Cancer Research</i> , 2014 , 74, 5277-5286	10.1	46
66	Microarray-based comparative genomic hybridisation of breast cancer patients receiving neoadjuvant chemotherapy. <i>British Journal of Cancer</i> , 2007 , 96, 341-51	8.7	46
65	Meta-analysis of the global gene expression profile of triple-negative breast cancer identifies genes for the prognostication and treatment of aggressive breast cancer. <i>Oncogenesis</i> , 2014 , 3, e100	6.6	45
64	Thrombospondin-4 expression is activated during the stromal response to invasive breast cancer. <i>Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin</i> , 2013 , 463, 535-45 ^{5.1}	5.1	44
63	Mutations in EGFR, BRAF and RAS are rare in triple-negative and basal-like breast cancers from Caucasian women. <i>Breast Cancer Research and Treatment</i> , 2014 , 143, 385-92	4.4	43
62	Heregulin-HER3-HER2 signaling promotes matrix metalloproteinase-dependent blood-brain-barrier transendothelial migration of human breast cancer cell lines. <i>Oncotarget</i> , 2015 , 6, 3932-46	3.3	43
61	Phenotypic and molecular dissection of metaplastic breast cancer and the prognostic implications. <i>Journal of Pathology</i> , 2019 , 247, 214-227	9.4	42
60	Pleomorphic lobular carcinoma of the breast: molecular pathology and clinical impact. <i>Future Oncology</i> , 2009 , 5, 233-43	3.6	41

59	ID4 controls mammary stem cells and marks breast cancers with a stem cell-like phenotype. <i>Nature Communications</i> , 2015 , 6, 6548	17.4	40
58	Kinome profiling reveals breast cancer heterogeneity and identifies targeted therapeutic opportunities for triple negative breast cancer. <i>Oncotarget</i> , 2014 , 5, 3145-58	3.3	38
57	Annexin A1 expression in a pooled breast cancer series: association with tumor subtypes and prognosis. <i>BMC Medicine</i> , 2015 , 13, 156	11.4	37
56	Whole-genome sequencing reveals clinically relevant insights into the aetiology of familial breast cancers. <i>Annals of Oncology</i> , 2019 , 30, 1071-1079	10.3	35
55	Molecular signatures in breast cancer. <i>Methods</i> , 2017 , 131, 135-146	4.6	32
54	An epithelial to mesenchymal transition programme does not usually drive the phenotype of invasive lobular carcinomas. <i>Journal of Pathology</i> , 2016 , 238, 489-94	9.4	26
53	Expression profiling of archival tumors for long-term health studies. <i>Clinical Cancer Research</i> , 2012 , 18, 6136-46	12.9	25
52	Understanding the functional impact of copy number alterations in breast cancer using a network modeling approach. <i>Molecular BioSystems</i> , 2016 , 12, 963-72		21
51	Thioredoxin-interacting protein is an independent risk stratifier for breast ductal carcinoma in situ. <i>Modern Pathology</i> , 2018 , 31, 1807-1815	9.8	21
50	Evaluating the repair of DNA derived from formalin-fixed paraffin-embedded tissues prior to genomic profiling by SNP-CGH analysis. <i>Laboratory Investigation</i> , 2013 , 93, 701-10	5.9	21
49	Molecular and morphological analysis of adenoid cystic carcinoma of the breast with synchronous tubular adenosis. <i>Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin</i> , 2009 , 454, 107-14	5.1	21
48	Mutational mechanisms of amplifications revealed by analysis of clustered rearrangements in breast cancers. <i>Annals of Oncology</i> , 2018 , 29, 2223-2231	10.3	21
47	Molecular classification of breast cancer: is it time to pack up our microscopes?. <i>Pathology</i> , 2011 , 43, 1-8	1.6	20
46	LobSig is a multigene predictor of outcome in invasive lobular carcinoma. <i>Npj Breast Cancer</i> , 2019 , 5, 18	7.8	19
45	TGF β isoforms and receptors mRNA expression in breast tumours: prognostic value and clinical implications. <i>BMC Cancer</i> , 2015 , 15, 1010	4.8	19
44	Novel highly specific anti-periostin antibodies uncover the functional importance of the fascilin 1-1 domain and highlight preferential expression of periostin in aggressive breast cancer. <i>International Journal of Cancer</i> , 2016 , 138, 1959-70	7.5	19
43	Mixed ductal-lobular carcinomas: evidence for progression from ductal to lobular morphology. <i>Journal of Pathology</i> , 2018 , 244, 460-468	9.4	18
42	Personalised pathway analysis reveals association between DNA repair pathway dysregulation and chromosomal instability in sporadic breast cancer. <i>Molecular Oncology</i> , 2016 , 10, 179-93	7.9	18

41	RAD51B in Familial Breast Cancer. <i>PLoS ONE</i> , 2016 , 11, e0153788	3.7	18
40	Expression of MAGE-A and NY-ESO-1 cancer/testis antigens is enriched in triple-negative invasive breast cancers. <i>Histopathology</i> , 2018 , 73, 68-80	7.3	17
39	Breast cancer metastasis to gynaecological organs: a clinico-pathological and molecular profiling study. <i>Journal of Pathology: Clinical Research</i> , 2019 , 5, 25-39	5.3	17
38	Invasive lobular carcinoma of the breast: the increasing importance of this special subtype. <i>Breast Cancer Research</i> , 2021 , 23, 6	8.3	17
37	Using the MCF10A/MCF10CA1a Breast Cancer Progression Cell Line Model to Investigate the Effect of Active, Mutant Forms of EGFR in Breast Cancer Development and Treatment Using Gefitinib. <i>PLoS ONE</i> , 2015 , 10, e0125232	3.7	16
36	Multidimensional phenotyping of breast cancer cell lines to guide preclinical research. <i>Breast Cancer Research and Treatment</i> , 2018 , 167, 289-301	4.4	15
35	Breast pathology: beyond morphology. <i>Seminars in Diagnostic Pathology</i> , 2010 , 27, 91-6	4.3	14
34	P63-driven nuclear accumulation of beta-catenin is not a frequent event in human neoplasms. <i>Pathology Research and Practice</i> , 2003 , 199, 785-93	3.4	14
33	Expression and function of the protein tyrosine phosphatase receptor J (PTPRJ) in normal mammary epithelial cells and breast tumors. <i>PLoS ONE</i> , 2012 , 7, e40742	3.7	14
32	Diff-Quik Cytology Smears from Endobronchial Ultrasound Transbronchial Needle Aspiration Lymph Node Specimens as a Source of DNA for Next-Generation Sequencing Instead of Cell Blocks. <i>Respiration</i> , 2019 , 97, 525-539	3.7	13
31	Next-Generation Sequencing of Endobronchial Ultrasound Transbronchial Needle Aspiration Specimens in Lung Cancer. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2017 , 196, 388-391 ^{10.2}		12
30	Molecular aspects of breast cancer metastasis to the brain. <i>Genetics Research International</i> , 2011 , 2011, 219189	0	12
29	Metaplastic breast cancers frequently express immune checkpoint markers FOXP3 and PD-L1. <i>British Journal of Cancer</i> , 2020 , 123, 1665-1672	8.7	10
28	The Brisbane Breast Bank. <i>Open Journal of Bioresources</i> , 2018 , 5,	0.9	9
27	Digital spatial profiling application in breast cancer: a user's perspective. <i>Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin</i> , 2020 , 477, 885-890	5.1	8
26	Morphologic and Genomic Heterogeneity in the Evolution and Progression of Breast Cancer. <i>Cancers</i> , 2020 , 12,	6.6	8
25	Complex-based analysis of dysregulated cellular processes in cancer. <i>BMC Systems Biology</i> , 2014 , 8 Suppl 4, S1	3.5	7
24	In situ carcinoma - can we predict which patient will come back with a recurrence?. <i>Cancer Cell</i> , 2007 , 12, 409-11	24.3	6

23	Examination of tumour histopathology and gene expression in a neu/S100A4 transgenic model of metastatic breast cancer. <i>International Journal of Experimental Pathology</i> , 2003 , 84, 173-84	2.8	6
22	Using whole-genome sequencing data to derive the homologous recombination deficiency scores. <i>Npj Breast Cancer</i> , 2020 , 6, 33	7.8	6
21	Integrating Multi-omics Data to Dissect Mechanisms of DNA repair Dysregulation in Breast Cancer. <i>Scientific Reports</i> , 2016 , 6, 34000	4.9	5
20	Application of molecular findings to the diagnosis and management of breast disease: recent advances and challenges. <i>Human Pathology</i> , 2011 , 42, 153-65	3.7	5
19	Tumor heterogeneity in a follicular carcinoma of thyroid: a study by comparative genomic hybridization. <i>Endocrine Pathology</i> , 2011 , 22, 103-7	4.2	5
18	Proteogenomic analysis of Inhibitor of Differentiation 4 (ID4) in basal-like breast cancer. <i>Breast Cancer Research</i> , 2020 , 22, 63	8.3	4
17	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. <i>Breast Cancer Research</i> , 2020 , 22, 136	8.3	4
16	Blood-Derived Extracellular Vesicle-Associated miR-3182 Detects Non-Small Cell Lung Cancer Patients.. <i>Cancers</i> , 2022 , 14,	6.6	3
15	The Genomic Landscape of Lobular Breast Cancer. <i>Cancers</i> , 2021 , 13,	6.6	3
14	Characterization of a novel breast cancer cell line derived from a metastatic bone lesion of a breast cancer patient. <i>Breast Cancer Research and Treatment</i> , 2018 , 170, 179-188	4.4	2
13	Gene expression analysis using filter cDNA microarrays. <i>Methods in Molecular Medicine</i> , 2006 , 120, 415-24		2
12	Clinicopathologic significance of nuclear HER4 and phospho-YAP(S) in human breast cancers and matching brain metastases. <i>Therapeutic Advances in Medical Oncology</i> , 2020 , 12, 1758835920946259	5.4	2
11	Association of Sperm-Associated Antigen 5 and Treatment Response in Patients With Estrogen Receptor-Positive Breast Cancer. <i>JAMA Network Open</i> , 2020 , 3, e209486	10.4	2
10	Flipping Pathology: Our Experience at an Australian Medical School. <i>Medical Science Educator</i> , 2017 , 27, 409-415	0.7	1
9	Genetic Alterations in Normal and Malignant Breast Tissue 2010 , 53-66		1
8	Epigenome erosion and SOX10 drive neural crest phenotypic mimicry in triple-negative breast cancer.. <i>Npj Breast Cancer</i> , 2022 , 8, 57	7.8	1
7	Whole genome deep sequencing analysis of cell-free DNA in samples with low tumour content.. <i>BMC Cancer</i> , 2022 , 22, 85	4.8	0
6	Rare germline copy number variants (CNVs) and breast cancer risk.. <i>Communications Biology</i> , 2022 , 5, 65	6.7	0

- 5 Molecular pathology of pre-invasive breast disease in the screening setting: application in diagnosis and management. *Diagnostic Histopathology*, **2012**, 18, 64-69 0.7
- 4 Breast Pathology. *Encyclopedia of Pathology*, **2020**, 71-79 0
- 3 Future Role of Molecular Profiling in Small Breast Samples and Personalised Medicine **2016**, 803-817
- 2 Lobular Carcinoma in Situ **2010**, 181-199
- 1 Phenotypic drift in metastatic progression of breast cancer: A case report with histologically heterogeneous lesions that are clonally related. *Clinical Case Reports (discontinued)*, **2020**, 8, 2725-2731 0.7