

David J Harrison

List of Publications by Citations

Source: <https://exaly.com/author-pdf/1936621/david-j-harrison-publications-by-citations.pdf>

Version: 2024-04-25

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

194
papers

9,670
citations

48
h-index

93
g-index

206
ext. papers

11,104
ext. citations

7
avg, IF

5.86
L-index

#	Paper	IF	Citations
194	Role of oxidative stress in atherosclerosis. <i>American Journal of Cardiology</i> , 2003 , 91, 7A-11A	3	931
193	Genetic mechanisms of critical illness in COVID-19. <i>Nature</i> , 2021 , 591, 92-98	50.4	451
192	High-frequency developmental abnormalities in p53-deficient mice. <i>Current Biology</i> , 1995 , 5, 931-6	6.3	390
191	Orphan CpG islands identify numerous conserved promoters in the mammalian genome. <i>PLoS Genetics</i> , 2010 , 6, e1001134	6	362
190	Association between polymorphism in gene for microsomal epoxide hydrolase and susceptibility to emphysema. <i>Lancet, The</i> , 1997 , 350, 630-3	40	357
189	Tissue type is a major modifier of the 5-hydroxymethylcytosine content of human genes. <i>Genome Research</i> , 2012 , 22, 467-77	9.7	305
188	Mice with DNA repair gene (ERCC-1) deficiency have elevated levels of p53, liver nuclear abnormalities and die before weaning. <i>Nature Genetics</i> , 1993 , 5, 217-24	36.3	278
187	Human cord blood-derived cells can differentiate into hepatocytes in the mouse liver with no evidence of cellular fusion. <i>Gastroenterology</i> , 2003 , 124, 1891-900	13.3	272
186	Relationship between differentially expressed mRNA and mRNA-protein correlations in a xenograft model system. <i>Scientific Reports</i> , 2015 , 5, 10775	4.9	232
185	WT1 is a key regulator of podocyte function: reduced expression levels cause crescentic glomerulonephritis and mesangial sclerosis. <i>Human Molecular Genetics</i> , 2002 , 11, 651-9	5.6	205
184	Lactate, a product of glycolytic metabolism, inhibits histone deacetylase activity and promotes changes in gene expression. <i>Nucleic Acids Research</i> , 2012 , 40, 4794-803	20.1	189
183	Cell death in health and disease: the biology and regulation of apoptosis. <i>Seminars in Cancer Biology</i> , 1995 , 6, 3-16	12.7	185
182	Major differences exist in the function and tissue-specific expression of human aflatoxin B1 aldehyde reductase and the principal human aldo-keto reductase AKR1 family members. <i>Biochemical Journal</i> , 1999 , 343, 487-504	3.8	172
181	Clinical utility of an epigenetic assay to detect occult prostate cancer in histopathologically negative biopsies: results of the MATLOC study. <i>Journal of Urology</i> , 2013 , 189, 1110-6	2.5	159
180	Tyrosine phosphorylation profiling reveals the signaling network characteristics of Basal breast cancer cells. <i>Cancer Research</i> , 2010 , 70, 9391-401	10.1	143
179	New strategies for targeting the hypoxic tumour microenvironment in breast cancer. <i>Cancer Treatment Reviews</i> , 2013 , 39, 171-9	14.4	142
178	Transcriptional regulation of gamma-glutamylcysteine synthetase-heavy subunit by oxidants in human alveolar epithelial cells. <i>Biochemical and Biophysical Research Communications</i> , 1996 , 229, 832-7	3.4	138

177	Induction of gamma-glutamylcysteine synthetase by cigarette smoke is associated with AP-1 in human alveolar epithelial cells. <i>FEBS Letters</i> , 1996 , 396, 21-5	3.8	136
176	Systems biology reveals new strategies for personalizing cancer medicine and confirms the role of PTEN in resistance to trastuzumab. <i>Cancer Research</i> , 2009 , 69, 6713-20	10.1	132
175	Transcriptionally repressed genes become aberrantly methylated and distinguish tumors of different lineages in breast cancer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 4364-9	11.5	131
174	Evidence that human class Theta glutathione S-transferase T1-1 can catalyse the activation of dichloromethane, a liver and lung carcinogen in the mouse. Comparison of the tissue distribution of GST T1-1 with that of classes Alpha, Mu and Pi GST in human. <i>Biochemical Journal</i> , 1997 , 326 (Pt 3), 837-46	3.8	128
173	Counting alleles to predict recurrence of early-stage colorectal cancers. <i>Lancet, The</i> , 2002 , 359, 219-25	40	127
172	Tissue of origin determines cancer-associated CpG island promoter hypermethylation patterns. <i>Genome Biology</i> , 2012 , 13, R84	18.3	121
171	Tissue-Specific Immunopathology in Fatal COVID-19. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2021 , 203, 192-201	10.2	116
170	Expression of Sonic hedgehog pathway genes is altered in colonic neoplasia. <i>Journal of Pathology</i> , 2004 , 203, 909-17	9.4	108
169	Experimental Nonalcoholic Steatohepatitis and Liver Fibrosis Are Ameliorated by Pharmacologic Activation of Nrf2 (NF-E2 p45-Related Factor 2). <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2018 , 5, 367-398	7.9	101
168	Attaching and effacing Escherichia coli downregulate DNA mismatch repair protein in vitro and are associated with colorectal adenocarcinomas in humans. <i>PLoS ONE</i> , 2009 , 4, e5517	3.7	93
167	Hematopoietic stem cell trafficking in liver injury. <i>FASEB Journal</i> , 2005 , 19, 1225-31	0.9	92
166	Apoptosis: an overview of the process and its relevance in disease. <i>Advances in Pharmacology</i> , 1997 , 41, 1-34	5.7	85
165	While K-ras is essential for mouse development, expression of the K-ras 4A splice variant is dispensable. <i>Molecular and Cellular Biology</i> , 2003 , 23, 9245-50	4.8	82
164	WWOX gene expression abolishes ovarian cancer tumorigenicity in vivo and decreases attachment to fibronectin via integrin alpha3. <i>Cancer Research</i> , 2009 , 69, 4835-42	10.1	80
163	Qualitative and quantitative MALDI imaging of the positron emission tomography ligands raclopride (a D2 dopamine antagonist) and SCH 23390 (a D1 dopamine antagonist) in rat brain tissue sections using a solvent-free dry matrix application method. <i>Analytical Chemistry</i> , 2011 , 83, 9694-701	7.8	76
162	p53 Deficiency in liver reduces local control of survival and proliferation, but does not affect apoptosis after DNA damage. <i>FASEB Journal</i> , 1997 , 11, 591-9	0.9	72
161	WHO/ISUP classification, grading and pathological staging of renal cell carcinoma: standards and controversies. <i>World Journal of Urology</i> , 2018 , 36, 1913-1926	4	67
160	Evaluation of carbonic anhydrase IX as a therapeutic target for inhibition of breast cancer invasion and metastasis using a series of in vitro breast cancer models. <i>Oncotarget</i> , 2015 , 6, 24856-70	3.3	65

159	Hepatitis B x protein inhibits p53-dependent DNA repair in primary mouse hepatocytes. <i>Journal of Biological Chemistry</i> , 1998 , 273, 33327-32	5.4	65
158	Targeting of Rac GTPases blocks the spread of intact human breast cancer. <i>Oncotarget</i> , 2012 , 3, 608-19	3.3	55
157	The effect of VEGF-targeted therapy on biomarker expression in sequential tissue from patients with metastatic clear cell renal cancer. <i>Clinical Cancer Research</i> , 2013 , 19, 6924-34	12.9	54
156	What can molecular pathology contribute to the management of renal cell carcinoma?. <i>Nature Reviews Urology</i> , 2011 , 8, 255-65	5.5	54
155	Risk score predicts high-grade prostate cancer in DNA-methylation positive, histopathologically negative biopsies. <i>Prostate</i> , 2016 , 76, 1078-87	4.2	54
154	Systems pathology--taking molecular pathology into a new dimension. <i>Nature Reviews Clinical Oncology</i> , 2009 , 6, 455-64	19.4	52
153	Ureido-substituted sulfamates show potent carbonic anhydrase IX inhibitory and antiproliferative activities against breast cancer cell lines. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2012 , 22, 4681-5	2.9	51
152	Microarray analysis of gene expression of mouse hepatocytes of different ploidy. <i>Mammalian Genome</i> , 2007 , 18, 617-26	3.2	51
151	Dysregulated expression of beta-catenin marks early neoplastic change in Apc mutant mice, but not all lesions arising in Msh2 deficient mice. <i>Oncogene</i> , 1999 , 18, 7219-25	9.2	50
150	Potential of hematopoietic stem cell therapy in hepatology: a critical review. <i>Stem Cells</i> , 2004 , 22, 897-907	5.78	49
149	Inhibition of tumour necrosis factor alpha does not prevent experimental paracetamol-induced hepatic necrosis. <i>Journal of Pathology</i> , 2000 , 190, 489-94	9.4	49
148	The tumor suppressor gene DLEC1 is frequently silenced by DNA methylation in hepatocellular carcinoma and induces G1 arrest in cell cycle. <i>Journal of Hepatology</i> , 2008 , 48, 433-41	13.4	48
147	Differential expression of hDAB2IPA and hDAB2IPB in normal tissues and promoter methylation of hDAB2IPA in hepatocellular carcinoma. <i>Journal of Hepatology</i> , 2007 , 46, 655-63	13.4	48
146	Novel flavonoids as anti-cancer agents: mechanisms of action and promise for their potential application in breast cancer. <i>Biochemical Society Transactions</i> , 2014 , 42, 1017-23	5.1	47
145	5-hydroxymethylcytosine profiling as an indicator of cellular state. <i>Epigenomics</i> , 2013 , 5, 655-69	4.4	46
144	Trastuzumab and pertuzumab produce changes in morphology and estrogen receptor signaling in ovarian cancer xenografts revealing new treatment strategies. <i>Clinical Cancer Research</i> , 2011 , 17, 4451-61	12.9	45
143	Conductive carbon tape used for support and mounting of both whole animal and fragile heat-treated tissue sections for MALDI MS imaging and quantitation. <i>Journal of Proteomics</i> , 2012 , 75, 4912-4920	3.9	42
142	Automated Analysis of Lymphocytic Infiltration, Tumor Budding, and Their Spatial Relationship Improves Prognostic Accuracy in Colorectal Cancer. <i>Cancer Immunology Research</i> , 2019 , 7, 609-620	12.5	41

141	Prognostic relevance of DNA copy number changes in colorectal cancer. <i>Journal of Pathology</i> , 2010 , 220, 338-47	9.4	41
140	Gonadotropin-releasing hormone receptor levels and cell context affect tumor cell responses to agonist in vitro and in vivo. <i>Cancer Research</i> , 2008 , 68, 6331-40	10.1	40
139	An in vitro model that recapitulates the epithelial to mesenchymal transition (EMT) in human breast cancer. <i>PLoS ONE</i> , 2011 , 6, e17083	3.7	40
138	p53, mutation frequency and apoptosis in the murine small intestine. <i>Oncogene</i> , 1997 , 14, 2015-8	9.2	39
137	Inhibition of pH regulation as a therapeutic strategy in hypoxic human breast cancer cells. <i>Oncotarget</i> , 2017 , 8, 42857-42875	3.3	39
136	Validation of a molecular and pathological model for five-year mortality risk in patients with early stage lung adenocarcinoma. <i>Journal of Thoracic Oncology</i> , 2015 , 10, 67-73	8.9	37
135	Sprouty 2 is an independent prognostic factor in breast cancer and may be useful in stratifying patients for trastuzumab therapy. <i>PLoS ONE</i> , 2011 , 6, e23772	3.7	37
134	Modulation of HER3 is a marker of dynamic cell signaling in ovarian cancer: implications for pertuzumab sensitivity. <i>Molecular Cancer Research</i> , 2009 , 7, 1563-71	6.6	35
133	The K-Ras 4A isoform promotes apoptosis but does not affect either lifespan or spontaneous tumor incidence in aging mice. <i>Experimental Cell Research</i> , 2006 , 312, 16-26	4.2	35
132	Antitumour activity of the novel flavonoid Oncamex in preclinical breast cancer models. <i>British Journal of Cancer</i> , 2016 , 114, 905-16	8.7	35
131	Quantification of tumour budding, lymphatic vessel density and invasion through image analysis in colorectal cancer. <i>Journal of Translational Medicine</i> , 2014 , 12, 156	8.5	34
130	Dynamic changes in gene expression in vivo predict prognosis of tamoxifen-treated patients with breast cancer. <i>Breast Cancer Research</i> , 2010 , 12, R39	8.3	34
129	p53-independent DNA repair and cell cycle arrest in embryonic stem cells. <i>FEBS Letters</i> , 1998 , 425, 499-508	5.8	34
128	Intrahepatic proliferation of T _H 1 and T _H 17 cells during liver allograft rejection: primary immune response within the allograft. <i>FASEB Journal</i> , 1998 , 12, 939-47	0.9	32
127	Carbonic anhydrase 9 expression increases with vascular endothelial growth factor-targeted therapy and is predictive of outcome in metastatic clear cell renal cancer. <i>European Urology</i> , 2014 , 66, 956-63	10.2	31
126	Functional analysis of mouse hepatocytes differing in DNA content: volume, receptor expression, and effect of IFN γ . <i>Journal of Cellular Physiology</i> , 2002 , 191, 138-44	7	31
125	Lymphocyte apoptosis—mechanisms and implications in disease. <i>Immunological Reviews</i> , 1994 , 142, 141-56	5.3	31
124	A principled machine learning framework improves accuracy of stage II colorectal cancer prognosis. <i>Npj Digital Medicine</i> , 2018 , 1, 52	15.7	31

123	Sunitinib Treatment Exacerbates Intratumoral Heterogeneity in Metastatic Renal Cancer. <i>Clinical Cancer Research</i> , 2015 , 21, 4212-23	12.9	30
122	Polymorphisms of the gene for microsomal epoxide hydrolase and susceptibility to alcoholic liver disease and hepatocellular carcinoma in a Caucasian population. <i>Toxicology Letters</i> , 2000 , 115, 17-22	4.4	30
121	MBD1, MBD2 and CGBP genes at chromosome 18q21 are infrequently mutated in human colon and lung cancers. <i>Oncogene</i> , 2003 , 22, 3506-10	9.2	29
120	Multi-Scale Genomic, Transcriptomic and Proteomic Analysis of Colorectal Cancer Cell Lines to Identify Novel Biomarkers. <i>PLoS ONE</i> , 2015 , 10, e0144708	3.7	28
119	Improved retention of zymogen granules in cultured murine pancreatic acinar cells and induction of acinar-ductal transdifferentiation in vitro. <i>Pancreas</i> , 2005 , 30, 148-57	2.6	27
118	Specific patterns of chromosomal abnormalities are associated with RER status in sporadic colorectal cancer. <i>Journal of Pathology</i> , 2000 , 192, 440-5	9.4	27
117	Additive effect of p53, p21 and Rb deletion in triple knockout primary hepatocytes. <i>Oncogene</i> , 2004 , 23, 1489-97	9.2	26
116	The effect of inhibition of glutathione S-transferase P on the growth of the Jurkat human T cell line. <i>Journal of Pathology</i> , 1994 , 172, 357-62	9.4	26
115	Differential expression of prognostic proteomic markers in primary tumour, venous tumour thrombus and metastatic renal cell cancer tissue and correlation with patient outcome. <i>PLoS ONE</i> , 2013 , 8, e60483	3.7	26
114	Model-based global sensitivity analysis as applied to identification of anti-cancer drug targets and biomarkers of drug resistance in the ErbB2/3 network. <i>European Journal of Pharmaceutical Sciences</i> , 2012 , 46, 244-58	5.1	25
113	Pertuzumab for the treatment of ovarian cancer. <i>Expert Opinion on Biological Therapy</i> , 2010 , 10, 1113-20	5.4	24
112	Quantitative analysis of NRF2 pathway reveals key elements of the regulatory circuits underlying antioxidant response and proliferation of ovarian cancer cells. <i>Journal of Biotechnology</i> , 2015 , 202, 12-30	3.7	23
111	Two possible mechanisms of epithelial to mesenchymal transition in invasive ductal breast cancer. <i>Clinical and Experimental Metastasis</i> , 2011 , 28, 811-8	4.7	23
110	Mutationally activated K-ras 4A and 4B both mediate lung carcinogenesis. <i>Experimental Cell Research</i> , 2008 , 314, 1105-14	4.2	23
109	Carcinogen-induced pancreatic lesions in the mouse: effect of Smad4 and Apc genotypes. <i>Oncogene</i> , 2002 , 21, 4696-701	9.2	23
108	A novel mechanism of action of HER2 targeted immunotherapy is explained by inhibition of NRF2 function in ovarian cancer cells. <i>Oncotarget</i> , 2016 , 7, 75874-75901	3.3	23
107	Novel Internationally Verified Method Reports Desmoplastic Reaction as the Most Significant Prognostic Feature For Disease-specific Survival in Stage II Colorectal Cancer. <i>American Journal of Surgical Pathology</i> , 2019 , 43, 1239-1248	6.7	23
106	Increased STAT1 signaling in endocrine-resistant breast cancer. <i>PLoS ONE</i> , 2014 , 9, e94226	3.7	22

105	Matrix-free mass spectrometric imaging using laser desorption ionisation Fourier transform ion cyclotron resonance mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2011 , 25, 969-72	2.2	22
104	UV but not gamma-irradiation induces specific transcriptional activity of p53 in primary hepatocytes. <i>Journal of Pathology</i> , 1997 , 183, 177-81	9.4	22
103	Functional Smoothed is required for expression of GLI3 in colorectal carcinoma cells. <i>Cancer Letters</i> , 2004 , 207, 205-14	9.9	22
102	Feedforward and feedback regulation of the MAPK and PI3K oscillatory circuit in breast cancer. <i>Cellular Signalling</i> , 2013 , 25, 26-32	4.9	21
101	Diversity of matriptase expression level and function in breast cancer. <i>PLoS ONE</i> , 2012 , 7, e34182	3.7	21
100	Determining tamoxifen sensitivity using primary breast cancer tissue in collagen-based three-dimensional culture. <i>Biomaterials</i> , 2012 , 33, 907-15	15.6	20
99	Predicting response to the anti-estrogen fulvestrant in recurrent ovarian cancer. <i>Gynecologic Oncology</i> , 2013 , 131, 368-73	4.9	20
98	Systems analysis of drug-induced receptor tyrosine kinase reprogramming following targeted mono- and combination anti-cancer therapy. <i>Cells</i> , 2014 , 3, 563-91	7.9	20
97	Deficiency of G1 regulators P53, P21Cip1 and/or pRb decreases hepatocyte sensitivity to TGFbeta cell cycle arrest. <i>BMC Cancer</i> , 2007 , 7, 215	4.8	20
96	Modulation of glutathione S-transferases and glutathione peroxidase by the anticarcinogen butylated hydroxyanisole in murine extrahepatic organs. <i>Carcinogenesis</i> , 1992 , 13, 2255-61	4.6	20
95	HER2 expression in ovarian carcinoma: caution and complexity in biomarker analysis. <i>Journal of Clinical Pathology</i> , 2012 , 65, 670-1; author reply 671-2	3.9	19
94	The use of automated quantitative analysis to evaluate epithelial-to-mesenchymal transition associated proteins in clear cell renal cell carcinoma. <i>PLoS ONE</i> , 2012 , 7, e31557	3.7	19
93	Novel histopathologic feature identified through image analysis augments stage II colorectal cancer clinical reporting. <i>Oncotarget</i> , 2016 , 7, 44381-44394	3.3	19
92	Targeted SERS nanosensors measure physicochemical gradients and free energy changes in live 3D tumor spheroids. <i>Nanoscale</i> , 2016 , 8, 16710-16718	7.7	19
91	Automated tumour budding quantification by machine learning augments TNM staging in muscle-invasive bladder cancer prognosis. <i>Scientific Reports</i> , 2019 , 9, 5174	4.9	18
90	Heterogeneity mapping of protein expression in tumors using quantitative immunofluorescence. <i>Journal of Visualized Experiments</i> , 2011 , e3334	1.6	18
89	p53 deficiency exacerbates pleiotropic mitotic defects, changes in nuclearity and polyploidy in transdifferentiating pancreatic acinar cells. <i>Oncogene</i> , 2005 , 24, 2184-94	9.2	18
88	Spatial immune profiling of the colorectal tumor microenvironment predicts good outcome in stage II patients. <i>Npj Digital Medicine</i> , 2020 , 3, 71	15.7	18

87	A systematic search strategy identifies cubilin as independent prognostic marker for renal cell carcinoma. <i>BMC Cancer</i> , 2017 , 17, 9	4.8	17
86	The landscape of genomic copy number alterations in colorectal cancer and their consequences on gene expression levels and disease outcome. <i>Molecular Aspects of Medicine</i> , 2019 , 69, 48-61	16.7	17
85	Phosphoprotein pathway profiling of ovarian carcinoma for the identification of potential new targets for therapy. <i>European Journal of Cancer</i> , 2011 , 47, 1420-31	7.5	17
84	TGFbeta induces apoptosis and EMT in primary mouse hepatocytes independently of p53, p21Cip1 or Rb status. <i>BMC Cancer</i> , 2008 , 8, 191	4.8	17
83	The role of HDAC2 in chromatin remodelling and response to chemotherapy in ovarian cancer. <i>Oncotarget</i> , 2016 , 7, 4695-711	3.3	17
82	Features of the reversible sensitivity-resistance transition in PI3K/PTEN/AKT signalling network after HER2 inhibition. <i>Cellular Signalling</i> , 2012 , 24, 493-504	4.9	16
81	Alteration in mRNA levels of Fas splice variants in hepatitis C-infected liver. <i>Journal of Pathology</i> , 1997 , 183, 299-304	9.4	16
80	Truncation of MBD4 predisposes to reciprocal chromosomal translocations and alters the response to therapeutic agents in colon cancer cells. <i>DNA Repair</i> , 2008 , 7, 321-8	4.3	16
79	Effect of glandular metastases on overall survival of patients with metastatic clear cell renal cell carcinoma in the antiangiogenic therapy era. <i>Urologic Oncology: Seminars and Original Investigations</i> , 2016 , 34, 167.e17-23	2.8	15
78	Compensatory effects in the PI3K/PTEN/AKT signaling network following receptor tyrosine kinase inhibition. <i>Cellular Signalling</i> , 2011 , 23, 407-16	4.9	15
77	Cancer systems biology. <i>Methods in Molecular Biology</i> , 2010 , 662, 245-63	1.4	15
76	Characterisation of lectin binding patterns of mouse bronchiolar and rat alveolar epithelial cells in culture. <i>The Histochemical Journal</i> , 2000 , 32, 33-40		15
75	Apoptosis and DNA methylation. <i>Cancers</i> , 2011 , 3, 1798-820	6.6	14
74	Sensitive, specific, and quantitative FTICR mass spectrometry of combinatorial post-translational modifications in intact histone H4. <i>Analytical Chemistry</i> , 2008 , 80, 4147-53	7.8	14
73	Phenobarbitone-induced ploidy changes in liver occur independently of p53. <i>Toxicology Letters</i> , 2001 , 119, 109-15	4.4	14
72	Glutathione S-transferase localization in aflatoxin B1-treated rat livers. <i>Carcinogenesis</i> , 1990 , 11, 927-31	4.6	14
71	Apoptosis induced by gamma-irradiation, but not CD4 ligation, of peripheral T lymphocytes in vivo is p53-dependent. <i>Journal of Pathology</i> , 1997 , 181, 166-71	9.4	13
70	The effect of IFNgamma on the hepatocyte: cell cycle and apoptosis. <i>International Journal of Experimental Pathology</i> , 2001 , 82, 317-26	2.8	13

69	Dynamic epigenetic changes to VHL occur with sunitinib in metastatic clear cell renal cancer. <i>Oncotarget</i> , 2016 , 7, 25241-50	3.3	13
68	MBD4 interacts with and recruits USP7 to heterochromatic foci. <i>Journal of Cellular Biochemistry</i> , 2015 , 116, 476-85	4.7	12
67	Customizing the therapeutic response of signaling networks to promote antitumor responses by drug combinations. <i>Frontiers in Oncology</i> , 2014 , 4, 13	5.3	12
66	GnRH receptor activation competes at a low level with growth signaling in stably transfected human breast cell lines. <i>BMC Cancer</i> , 2011 , 11, 476	4.8	12
65	Synthetic peptides representing discontinuous CD4 binding epitopes of HIV-1 gp120 that induce T cell apoptosis and block cell death induced by gp120. <i>FASEB Journal</i> , 1998 , 12, 991-8	0.9	11
64	Podocyte injury elicits loss and recovery of cellular forces. <i>Science Advances</i> , 2018 , 4, eaap8030	14.3	11
63	TMA Navigator: Network inference, patient stratification and survival analysis with tissue microarray data. <i>Nucleic Acids Research</i> , 2013 , 41, W562-8	20.1	10
62	Dynamic computational modeling in the search for better breast cancer drug therapy. <i>Pharmacogenomics</i> , 2007 , 8, 1757-61	2.6	10
61	Glutathione and p53 independently mediate responses against oxidative stress in ES cells. <i>Free Radical Biology and Medicine</i> , 2002 , 32, 187-96	7.8	10
60	A model of estrogen-related gene expression reveals non-linear effects in transcriptional response to tamoxifen. <i>BMC Systems Biology</i> , 2012 , 6, 138	3.5	9
59	An Analytical Approach Differentiates Between Individual and Collective Cancer Invasion. <i>Analytical Cellular Pathology</i> , 2011 , 34, 35-48	3.4	9
58	Glutathione S-transferase detoxication enzymes in cervical neoplasia. <i>Journal of Pathology</i> , 1990 , 162, 303-8	9.4	9
57	Genome-scale CRISPR/Cas9 screen determines factors modulating sensitivity to ProTide NUC-1031. <i>Scientific Reports</i> , 2019 , 9, 7643	4.9	8
56	Human tissue in systems medicine. <i>FEBS Journal</i> , 2013 , 280, 5949-56	5.7	8
55	Absence of p53 in Clara cells favours multinucleation and loss of cell cycle arrest. <i>BMC Cell Biology</i> , 2002 , 3, 27		8
54	Animal models and the molecular pathology of cancer. <i>Journal of Pathology</i> , 1997 , 181, 130-5	9.4	7
53	Evaluation of the dual mTOR/PI3K inhibitors Gedatolisib (PF-05212384) and PF-04691502 against ovarian cancer xenograft models. <i>Scientific Reports</i> , 2019 , 9, 18742	4.9	7
52	Utilizing mRNA extracted from small, archival formalin-fixed paraffin-embedded prostate samples for translational research: assessment of the effect of increasing sample age and storage temperature. <i>International Urology and Nephrology</i> , 2011 , 43, 961-7	2.3	6

51	Design and synthesis of a highly immunogenic, discontinuous epitope of HIV-1 gp120 which binds to CD4+ve transfected cells. <i>Molecular Immunology</i> , 1996 , 33, 171-8	4.3	6
50	An analytical approach differentiates between individual and collective cancer invasion. <i>Analytical Cellular Pathology</i> , 2011 , 34, 35-48	3.4	6
49	Could molecular pathology testing in lung cancer be more cost-effective?. <i>Journal of Clinical Pathology</i> , 2016 , 69, 938-41	3.9	6
48	Dynamic modulation of phosphoprotein expression in ovarian cancer xenograft models. <i>BMC Cancer</i> , 2016 , 16, 205	4.8	5
47	Overcoming intratumoural heterogeneity for reproducible molecular risk stratification: a case study in advanced kidney cancer. <i>BMC Medicine</i> , 2017 , 15, 118	11.4	5
46	The use of reverse phase protein arrays (RPPA) to explore protein expression variation within individual renal cell cancers. <i>Journal of Visualized Experiments</i> , 2013 ,	1.6	5
45	Long-term culture of human breast cancer specimens and their analysis using optical projection tomography. <i>Journal of Visualized Experiments</i> , 2011 ,	1.6	5
44	Routinely obtained diagnostic material as a source of RNA for personalized medicine in lung cancer patients. <i>Journal of Thoracic Oncology</i> , 2011 , 6, 884-8	8.9	5
43	A functional, discontinuous HIV-1 gp120 C3/C4 domain-derived, branched, synthetic peptide that binds to CD4 and inhibits MIP-1alpha chemokine binding. <i>FASEB Journal</i> , 1999 , 13, 503-11	0.9	5
42	The importance of apoptosis: is it real or imaginary?. <i>Biologicals</i> , 1996 , 24, 295-9	1.8	5
41	Tissue Proteomic Analysis Identifies Mechanisms and Stages of Immunopathology in Fatal COVID-19. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2021 ,	5.7	5
40	Next-Generation Pathology. <i>Methods in Molecular Biology</i> , 2016 , 1386, 61-72	1.4	5
39	Assessment of Immunological Features in Muscle-Invasive Bladder Cancer Prognosis Using Ensemble Learning. <i>Cancers</i> , 2021 , 13,	6.6	5
38	Characterising the tumour morphological response to therapeutic intervention: an ex vivo model. <i>DMM Disease Models and Mechanisms</i> , 2013 , 6, 252-60	4.1	4
37	Growth factor attenuation of IFNgamma-mediated hepatocyte apoptosis requires p21waf-1. <i>International Journal of Experimental Pathology</i> , 2006 , 87, 275-81	2.8	4
36	Automated Detection and Classification of Desmoplastic Reaction at the Colorectal Tumour Front Using Deep Learning. <i>Cancers</i> , 2021 , 13,	6.6	4
35	Translational research will fail without surgical leadership: SCOTRRCC a successful surgeon-led Nationwide translational research infrastructure in renal cancer. <i>Journal of the Royal College of Surgeons of Edinburgh</i> , 2015 , 13, 181-6	2.5	3
34	Effects on kidney disease, fertility and development in mice inheriting a protein-truncating Denys-Drash syndrome allele (Wt1tmT396). <i>Transgenic Research</i> , 2008 , 17, 459-75	3.3	3

33	Apoptosis in vivo and in vitro: conflict or complementarity?. <i>Trends in Molecular Medicine</i> , 1996 , 2, 189-91		3
32	Acquired and Intrinsic Resistance to Colorectal Cancer Treatment 2018 ,		3
31	The Novel Nucleoside Analogue ProTide NUC-7738 Overcomes Cancer Resistance Mechanisms and in a First-In-Human Phase I Clinical Trial. <i>Clinical Cancer Research</i> , 2021 , 27, 6500-6513	12.9	3
30	How can systems pathology help us personalize cancer therapy?. <i>Discovery Medicine</i> , 2009 , 8, 81-6	2.5	3
29	Believe the HiPe: Hierarchical perturbation for fast, robust, and model-agnostic saliency mapping. <i>Pattern Recognition</i> , 2022 , 129, 108743	7.7	3
28	Epigenetic sampling effects: nephrectomy modifies the clear cell renal cell cancer methylome. <i>Cellular Oncology (Dordrecht)</i> , 2017 , 40, 293-297	7.2	2
27	The differential expression of micro-RNAs 21, 200c, 204, 205, and 211 in benign, dysplastic and malignant melanocytic lesions and critical evaluation of their role as diagnostic biomarkers. <i>Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin</i> , 2020 , 477, 121-130	5.1	2
26	Kinetic modelling of in vitro data of PI3K, mTOR1, PTEN enzymes and on-target inhibitors Rapamycin, BEZ235, and LY294002. <i>European Journal of Pharmaceutical Sciences</i> , 2017 , 97, 170-181	5.1	2
25	Multidisciplinary urological engagement in translational renal cancer research. <i>BJU International</i> , 2014 , 114, 474-5	5.6	2
24	Independent regulation of P53 stabilisation and activation after Rb deletion in primary epithelial cells. <i>International Journal of Oncology</i> , 2010 , 37, 31-9	4.4	2
23	Apoptosis and Cell Senescence 153-192		2
22	Use of microarray analysis to investigate EMT gene signatures. <i>Methods in Molecular Biology</i> , 2013 , 1046, 85-95	1.4	2
21	Identifying prognostic structural features in tissue sections of colon cancer patients using point pattern analysis. <i>Statistics in Medicine</i> , 2019 , 38, 1421-1441	2.3	2
20	Raman spectroscopy investigation of biochemical changes in tumor spheroids with aging and after treatment with staurosporine. <i>Journal of Biophotonics</i> , 2019 , 12, e201800201	3.1	2
19	Recommendations for cellular and molecular pathology input into clinical trials: a systematic review and meta-aggregation. <i>Journal of Pathology: Clinical Research</i> , 2021 , 7, 191-202	5.3	2
18	Somatic cancer genetics in the UK: real-world data from phase I of the Cancer Research UK Stratified Medicine Programme. <i>ESMO Open</i> , 2018 , 3, e000408	6	2
17	Code of practice needed for samples donated by trial participants.. <i>Lancet Oncology, The</i> , 2022 , 23, e89-e90		2
16	Life and death in the genesis of the tumour cell. <i>Toxicology Letters</i> , 1998 , 102-103, 115-9	4.4	1

15	A signaling visualization toolkit to support rational design of combination therapies and biomarker discovery: SiViT. <i>Oncotarget</i> , 2017 , 8, 29657-29667	3.3	1
14	Computerized Image Analysis of Tumor Cell Nuclear Morphology Can Improve Patient Selection for Clinical Trials in Localized Clear Cell Renal Cell Carcinoma. <i>Journal of Pathology Informatics</i> , 2020 , 11, 35	4.4	1
13	To live or die--a cell's choice. <i>Essays in Biochemistry</i> , 2001 , 37, 109-20	7.6	1
12	Role of CD8+ T lymphocytes in the genesis of angiotensin II-induced hypertension. <i>FASEB Journal</i> , 2010 , 24, lb564	0.9	1
11	A Phase Ib Open-Label, Dose-Escalation Study of NUC-1031 in Combination with Carboplatin for Recurrent Ovarian Cancer. <i>Clinical Cancer Research</i> , 2021 , 27, 3028-3038	12.9	1
10	The Efficacy of Sunitinib Treatment of Renal Cancer Cells Is Associated with the Protein PHAX In Vitro. <i>Biology</i> , 2020 , 9,	4.9	1
9	The modification of cancer risk by chemicals. <i>Toxicology Research</i> , 2021 , 10, 800-809	2.6	1
8	Guidelines for cellular and molecular pathology content in clinical trial protocols: the SPIRIT-Path extension. <i>Lancet Oncology</i> , 2021 , 22, e435-e445	21.7	1
7	Alteration in mRNA levels of Fas splice variants in hepatitis C-infected liver 1997 , 183, 299		1
6	YAP Translocation Precedes Cytoskeletal Rearrangement in Podocyte Stress Response: A Podometric Investigation of Diabetic Nephropathy. <i>Frontiers in Physiology</i> , 2021 , 12, 625762	4.6	0
5	Novel Monte Carlo approach quantifies data assemblage utility and reveals power of integrating molecular and clinical information for cancer prognosis. <i>Scientific Reports</i> , 2015 , 5, 15563	4.9	
4	Alveolar Epithelial Re-Modelling in Acute Lung Injury. <i>Clinical Science</i> , 2003 , 104, 57P-57P		
3	Predicting chemotherapy response in invasive breast cancer.. <i>Journal of Clinical Oncology</i> , 2014 , 32, 1084e-1084		
2	Study of the effect of novel anticancer agent oncamex on gene expression profiles of preclinical breast cancer models.. <i>Journal of Clinical Oncology</i> , 2016 , 34, e14071-e14071	2.2	
1	Collateral-resistance to estrogen and HER-activated growth is associated with modified AKT, ER α and cell-cycle signaling in a breast cancer model.. <i>Exploration of Targeted Anti-tumor Therapy</i> , 2022 , 3, 97-116	2.5	