Paul C Boutros

List of Publications by Citations

341 papers	19,964 citations	64 h-index	134 g-index
390 ext. papers	26,466 ext. citations	10.9 avg, IF	7.85 L-index

#	Paper	IF	Citations
341	Comprehensive genomic characterization of head and neck squamous cell carcinomas. *Nature*, **2015**, 517, 576-82	50.4	2332
340	International network of cancer genome projects. *Nature*, **2010**, 464, 993-8	50.4	1613
339	VennDiagram: a package for the generation of highly-customizable Venn and Euler diagrams in R. *BMC Bioinformatics*, **2011**, 12, 35	3.6	1098
338	Pan-cancer analysis of whole genomes. *Nature*, **2020**, 578, 82-93	50.4	840
337	The c-Myc oncogene directly induces the H19 noncoding RNA by allele-specific binding to potentiate tumorigenesis. *Cancer Research*, **2006**, 66, 5330-7	10.1	384
336	Pathogenic Germline Variants in 10,389 Adult Cancers. *Cell*, **2018**, 173, 355-370.e14	56.2	342
335	Genomic hallmarks of localized, non-indolent prostate cancer. *Nature*, **2017**, 541, 359-364	50.4	320
334	The evolutionary history of 2,658 cancers. *Nature*, **2020**, 578, 122-128	50.4	307
333	Spatial genomic heterogeneity within localized, multifocal prostate cancer. *Nature Genetics*, **2015**, 47, 736-45	36.3	306
332	Analysis of the genetic phylogeny of multifocal prostate cancer identifies multiple independent clonal expansions in neoplastic and morphologically normal prostate tissue. *Nature Genetics*, **2015**, 47, 367-372	36.3	292
331	Predicting outcomes in radiation oncology--multifactorial decision support systems. *Nature Reviews Clinical Oncology*, **2013**, 10, 27-40	19.4	270
330	Dysregulation of the mevalonate pathway promotes transformation. *Proceedings of the National Academy of Sciences of the United States of America*, **2010**, 107, 15051-6	11.5	264
329	Aryl hydrocarbon receptor regulates distinct dioxin-dependent and dioxin-independent gene batteries. *Molecular Pharmacology*, **2006**, 69, 140-53	4.3	263
328	Molecular landmarks of tumor hypoxia across cancer types. *Nature Genetics*, **2019**, 51, 308-318	36.3	255
327	Pathway and network analysis of cancer genomes. *Nature Methods*, **2015**, 12, 615-621	21.6	235
326	Characterisation of retinoblastomas without RB1 mutations: genomic, gene expression, and clinical studies. *Lancet Oncology, The*, **2013**, 14, 327-34	21.7	221
325	Tumour genomic and microenvironmental heterogeneity for integrated prediction of 5-year biochemical recurrence of prostate cancer: a retrospective cohort study. *Lancet Oncology, The*, **2014**, 15, 1521-1532	21.7	218

324	Widespread and Functional RNA Circularization in Localized Prostate Cancer. *Cell*, **2019**, 176, 831-843.e22	56.2	214
323	Robust global micro-RNA profiling with formalin-fixed paraffin-embedded breast cancer tissues. *Laboratory Investigation*, **2009**, 89, 597-606	5.9	205
322	Combining tumor genome simulation with crowdsourcing to benchmark somatic single-nucleotide-variant detection. *Nature Methods*, **2015**, 12, 623-30	21.6	201
321	A comprehensive assessment of somatic mutation detection in cancer using whole-genome sequencing. *Nature Communications*, **2015**, 6, 10001	17.4	199
320	Three-gene prognostic classifier for early-stage non small-cell lung cancer. *Journal of Clinical Oncology*, **2007**, 25, 5562-9	2.2	195
319	Frequent amplification of a chr19q13.41 microRNA polycistron in aggressive primitive neuroectodermal brain tumors. *Cancer Cell*, **2009**, 16, 533-46	24.3	178
318	Comprehensive analysis of chromothripsis in 2,658 human cancers using whole-genome sequencing. *Nature Genetics*, **2020**, 52, 331-341	36.3	168
317	NanoStringNorm: an extensible R package for the pre-processing of NanoString mRNA and miRNA data. *Bioinformatics*, **2012**, 28, 1546-8	7.2	168
316	Hypoxia promotes stem cell phenotypes and poor prognosis through epigenetic regulation of DICER. *Nature Communications*, **2014**, 5, 5203	17.4	164
315	Prognostic gene signatures for non-small-cell lung cancer. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106, 2824-8	11.5	159
314	Modulation of long noncoding RNAs by risk SNPs underlying genetic predispositions to prostate cancer. *Nature Genetics*, **2016**, 48, 1142-50	36.3	158
313	Risk SNP-Mediated Promoter-Enhancer Switching Drives Prostate Cancer through lncRNA PCAT19. *Cell*, **2018**, 174, 564-575.e18	56.2	154
312	Hotspot activating PRKD1 somatic mutations in polymorphous low-grade adenocarcinomas of the salivary glands. *Nature Genetics*, **2014**, 46, 1166-9	36.3	150
311	Serine racemase is associated with schizophrenia susceptibility in humans and in a mouse model. *Human Molecular Genetics*, **2009**, 18, 3227-43	5.6	145
310	From sequence to molecular pathology, and a mechanism driving the neuroendocrine phenotype in prostate cancer. *Journal of Pathology*, **2012**, 227, 286-97	9.4	142
309	How do changes in the mtDNA and mitochondrial dysfunction influence cancer and cancer therapy? Challenges, opportunities and models. *Mutation Research - Reviews in Mutation Research*, **2015**, 764, 16-30	7	132
308	Computational approaches to identify functional genetic variants in cancer genomes. *Nature Methods*, **2013**, 10, 723-9	21.6	129
307	Germline BRCA2 mutations drive prostate cancers with distinct evolutionary trajectories. *Nature Communications*, **2017**, 8, 13671	17.4	128

306	Best practices for benchmarking germline small-variant calls in human genomes. *Nature Biotechnology*, **2019**, 37, 555-560	44.5	125
305	The Evolutionary Landscape of Localized Prostate Cancers Drives Clinical Aggression. *Cell*, **2018**, 173, 1003-1013.e15	56.2	115
304	Gene expression profiling in cervical cancer: an exploration of intratumor heterogeneity. *Clinical Cancer Research*, **2006**, 12, 5632-40	12.9	114
303	Sequencing of prostate cancers identifies new cancer genes, routes of progression and drug targets. *Nature Genetics*, **2018**, 50, 682-692	36.3	112
302	TMPRSS2-ERG fusion co-opts master transcription factors and activates NOTCH signaling in primary prostate cancer. *Nature Genetics*, **2017**, 49, 1336-1345	36.3	105
301	Onco-proteogenomics: cancer proteomics joins forces with genomics. *Nature Methods*, **2014**, 11, 1107-13.	31.6	102
300	Novel PRKD gene rearrangements and variant fusions in cribriform adenocarcinoma of salivary gland origin. *Genes Chromosomes and Cancer*, **2014**, 53, 845-56	5	102
299	A Prostate Cancer "Nimbosus": Genomic Instability and SChLAP1 Dysregulation Underpin Aggression of Intraductal and Cribriform Subpathologies. *European Urology*, **2017**, 72, 665-674	10.2	98
298	A robust benchmark for detection of germline large deletions and insertions. *Nature Biotechnology*, **2020**, 38, 1347-1355	44.5	98
297	Toxicological implications of polymorphisms in receptors for xenobiotic chemicals: the case of the aryl hydrocarbon receptor. *Toxicology and Applied Pharmacology*, **2005**, 207, 43-51	4.6	98
296	The Proteogenomic Landscape of Curable Prostate Cancer. *Cancer Cell*, **2019**, 35, 414-427.e6	24.3	97
295	Aryl hydrocarbon receptor is a transcriptional activator of the human breast cancer resistance protein (BCRP/ABCG2). *Molecular Pharmacology*, **2010**, 78, 175-85	4.3	89
294	Molecular Evolution of Early-Onset Prostate Cancer Identifies Molecular Risk Markers and Clinical Trajectories. *Cancer Cell*, **2018**, 34, 996-1011.e8	24.3	89
293	Two phases of disulfide bond formation have differing requirements for oxygen. *Journal of Cell Biology*, **2013**, 203, 615-27	7.3	84
292	Nanocall: an open source basecaller for Oxford Nanopore sequencing data. *Bioinformatics*, **2017**, 33, 49-55	7.2	83
291	CpG Island microarray probe sequences derived from a physical library are representative of CpG Islands annotated on the human genome. *Nucleic Acids Research*, **2005**, 33, 2952-61	20.1	82
290	Unsupervised pattern recognition: an introduction to the whys and wherefores of clustering microarray data. *Briefings in Bioinformatics*, **2005**, 6, 331-43	13.4	82
289	Dioxin-responsive AHRE-II gene battery: identification by phylogenetic footprinting. *Biochemical and Biophysical Research Communications*, **2004**, 321, 707-15	3.4	78

288	ONECUT2 is a driver of neuroendocrine prostate cancer. *Nature Communications*, **2019**, 10, 278	17.4	72
287	Role of Nek2 on centrosome duplication and aneuploidy in breast cancer cells. *Oncogene*, **2014**, 33, 2375-84	9.8	72
286	microRNAs in adult rodent liver are refractory to dioxin treatment. *Toxicological Sciences*, **2007**, 99, 470-87	4.4	72
285	Exploiting the mevalonate pathway to distinguish statin-sensitive multiple myeloma. *Blood*, **2010**, 115, 4787-97	2.2	71
284	The DNA methylation landscape of advanced prostate cancer. *Nature Genetics*, **2020**, 52, 778-789	36.3	71
283	Computational purification of individual tumor gene expression profiles leads to significant improvements in prognostic prediction. *Genome Medicine*, **2013**, 5, 29	14.4	70
282	Transcriptomic responses to 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD) in liver: comparison of rat and mouse. *BMC Genomics*, **2008**, 9, 419	4.5	68
281	Development and Validation of a 28-gene Hypoxia-related Prognostic Signature for Localized Prostate Cancer. *EBioMedicine*, **2018**, 31, 182-189	8.8	67
280	novoBreak: local assembly for breakpoint detection in cancer genomes. *Nature Methods*, **2017**, 14, 65-67	21.6	67
279	Mitochondrial mutations drive prostate cancer aggression. *Nature Communications*, **2017**, 8, 656	17.4	66
278	The genomic landscape of metastatic castration-resistant prostate cancers reveals multiple distinct genotypes with potential clinical impact. *Nature Communications*, **2019**, 10, 5251	17.4	66
277	The Immune Microenvironment, Genome-wide Copy Number Aberrations, and Survival in Mesothelioma. *Journal of Thoracic Oncology*, **2017**, 12, 850-859	8.9	64
276	In-depth proteomics of ovarian cancer ascites: combining shotgun proteomics and selected reaction monitoring mass spectrometry. *Journal of Proteome Research*, **2011**, 10, 2286-99	5.6	63
275	Identification of differentially expressed proteins in direct expressed prostatic secretions of men with organ-confined versus extracapsular prostate cancer. *Molecular and Cellular Proteomics*, **2012**, 11, 1870-84	7.6	62
274	MYC Protein Interactome Profiling Reveals Functionally Distinct Regions that Cooperate to Drive Tumorigenesis. *Molecular Cell*, **2018**, 72, 836-848.e7	17.6	62
273	Systematic evaluation of medium-throughput mRNA abundance platforms. *Rna*, **2013**, 19, 51-62	5.8	61
272	The parameter sensitivity of random forests. *BMC Bioinformatics*, **2016**, 17, 331	3.6	60
271	Targeted proteomics identifies liquid-biopsy signatures for extracapsular prostate cancer. *Nature Communications*, **2016**, 7, 11906	17.4	59

270	Long non-coding RNA urothelial carcinoma associated 1 (UCA1) mediates radiation response in prostate cancer. *Oncotarget*, **2017**, 8, 4668-4689	3.3	58
269	Crowdsourced estimation of cognitive decline and resilience in Alzheimer's disease. *Alzheimer's and Dementia*, **2016**, 12, 645-53	1.2	58
268	Sex Differences in Cancer Driver Genes and Biomarkers. *Cancer Research*, **2018**, 78, 5527-5537	10.1	58
267	Haploinsufficiency of an RB-E2F1-Condensin II complex leads to aberrant replication and aneuploidy. *Cancer Discovery*, **2014**, 4, 840-53	24.4	57
266	Characterizing genetic intra-tumor heterogeneity across 2,658 human cancer genomes. *Cell*, **2021**, 184, 2239-2254.e39	56.2	57
265	Cribriform and intraductal prostate cancer are associated with increased genomic instability and distinct genomic alterations. *BMC Cancer*, **2018**, 18, 8	4.8	54
264	Determinants of sensitivity to lovastatin-induced apoptosis in multiple myeloma. *Molecular Cancer Therapeutics*, **2007**, 6, 1886-97	6.1	54
263	Integrative pathway enrichment analysis of multivariate omics data. *Nature Communications*, **2020**, 11, 735	17.4	53
262	LSD1-Mediated Epigenetic Reprogramming Drives CENPE Expression and Prostate Cancer Progression. *Cancer Research*, **2017**, 77, 5479-5490	10.1	53
261	PD-L1 and Tumor Infiltrating Lymphocytes as Prognostic Markers in Resected NSCLC. *PLoS ONE*, **2016**, 11, e0153954	3.7	53
260	Single-cell analysis reveals transcriptomic remodellings in distinct cell types that contribute to human prostate cancer progression. *Nature Cell Biology*, **2021**, 23, 87-98	23.4	53
259	MicroRNA-196b regulates the homeobox B7-vascular endothelial growth factor axis in cervical cancer. *PLoS ONE*, **2013**, 8, e67846	3.7	52
258	MYC Interacts with the G9a Histone Methyltransferase to Drive Transcriptional Repression and Tumorigenesis. *Cancer Cell*, **2018**, 34, 579-595.e8	24.3	52
257	Integrated genome and transcriptome sequencing identifies a novel form of hybrid and aggressive prostate cancer. *Journal of Pathology*, **2012**, 227, 53-61	9.4	51
256	Role of Pirh2 in mediating the regulation of p53 and c-Myc. *PLoS Genetics*, **2011**, 7, e1002360	6	51
255	Evaluation of various housekeeping genes for their applicability for normalization of mRNA expression in dioxin-treated rats. *Chemico-Biological Interactions*, **2006**, 160, 134-49	5	51
254	Differential expression profiling of the hepatic proteome in a rat model of dioxin resistance: correlation with genomic and transcriptomic analyses. *Molecular and Cellular Proteomics*, **2006**, 5, 882-94	7.6	48
253	Divergent mutational processes distinguish hypoxic and normoxic tumours. *Nature Communications*, **2020**, 11, 737	17.4	46

252	Inhibition of the sodium/potassium ATPase impairs N-glycan expression and function. *Cancer Research*, **2008**, 68, 6688-97	10.1	46
251	Dioxin-dependent and dioxin-independent gene batteries: comparison of liver and kidney in AHR-null mice. *Toxicological Sciences*, **2009**, 112, 245-56	4.4	45
250	CUL7 is a novel antiapoptotic oncogene. *Cancer Research*, **2007**, 67, 9616-22	10.1	45
249	Molecular heterogeneity of non-small cell lung carcinoma patient-derived xenografts closely reflect their primary tumors. *International Journal of Cancer*, **2017**, 140, 662-673	7.5	44
248	Identifying molecular features that distinguish fluvastatin-sensitive breast tumor cells. *Breast Cancer Research and Treatment*, **2014**, 143, 301-12	4.4	43
247	Differential interactions between statins and P-glycoprotein: implications for exploiting statins as anticancer agents. *International Journal of Cancer*, **2010**, 127, 2936-48	7.5	43
246	ShatterProof: operational detection and quantification of chromothripsis. *BMC Bioinformatics*, **2014**, 15, 78	3.6	42
245	Epigenetic markers of prostate cancer in plasma circulating DNA. *Human Molecular Genetics*, **2012**, 21, 3619-31	5.6	42
244	Aryl hydrocarbon receptor (AHR)-regulated transcriptomic changes in rats sensitive or resistant to major dioxin toxicities. *BMC Genomics*, **2010**, 11, 263	4.5	40
243	Identification of a microRNA signature associated with risk of distant metastasis in nasopharyngeal carcinoma. *Oncotarget*, **2015**, 6, 4537-50	3.3	40
242	Precision Radiotherapy: Reduction in Radiation for Oropharyngeal Cancer in the 30 ROC Trial. *Journal of the National Cancer Institute*, **2021**, 113, 742-751	9.7	39
241	Hepatic transcriptomic responses to TCDD in dioxin-sensitive and dioxin-resistant rats during the onset of toxicity. *Toxicology and Applied Pharmacology*, **2011**, 251, 119-29	4.6	38
240	Aryl hydrocarbon receptor-dependent induction of flavin-containing monooxygenase mRNAs in mouse liver. *Drug Metabolism and Disposition*, **2008**, 36, 2499-505	4	38
239	Microarray analysis of the developing cortex. *Journal of Neurobiology*, **2006**, 66, 1646-58		38
238	Neutral tumor evolution?. *Nature Genetics*, **2018**, 50, 1630-1633	36.3	38
237	Risk factors for voriconazole hepatotoxicity at 12 weeks in lung transplant recipients. *American Journal of Transplantation*, **2012**, 12, 1929-35	8.7	37
236	The prognostic value of temporal in vitro and in vivo derived hypoxia gene-expression signatures in breast cancer. *Radiotherapy and Oncology*, **2012**, 102, 436-43	5.3	37
235	The influence of BRCA2 mutation on localized prostate cancer. *Nature Reviews Urology*, **2019**, 16, 281-290	9.5	36

234	Epigenetics in radiotherapy: where are we heading?. *Radiotherapy and Oncology*, **2014**, 111, 168-77	5.3	36
233	Global optimization of somatic variant identification in cancer genomes with a global community challenge. *Nature Genetics*, **2014**, 46, 318-319	36.3	36
232	Identifying gene locus associations with promyelocytic leukemia nuclear bodies using immuno-TRAP. *Journal of Cell Biology*, **2013**, 201, 325-35	7.3	35
231	dbZach: A MIAME-compliant toxicogenomic supportive relational database. *Toxicological Sciences*, **2006**, 90, 558-68	4.4	35
230	A community effort to create standards for evaluating tumor subclonal reconstruction. *Nature Biotechnology*, **2020**, 38, 97-107	44.5	35
229	TMPRSS2-ERG status is not prognostic following prostate cancer radiotherapy: implications for fusion status and DSB repair. *Clinical Cancer Research*, **2013**, 19, 5202-9	12.9	34
228	A robust benchmark for germline structural variant detection		34
227	C-Terminal region of teneurin-1 co-localizes with dystroglycan and modulates cytoskeletal organization through an extracellular signal-regulated kinase-dependent stathmin- and filamin A-mediated mechanism in hippocampal cells. *Neuroscience*, **2012**, 219, 255-70	3.9	33
226	Patterns of dioxin-altered mRNA expression in livers of dioxin-sensitive versus dioxin-resistant rats. *Archives of Toxicology*, **2008**, 82, 809-30	5.8	33
225	Reasons for Discontinuing Active Surveillance: Assessment of 21 Centres in 12 Countries in the Movember GAP3 Consortium. *European Urology*, **2019**, 75, 523-531	10.2	33
224	BPG: Seamless, automated and interactive visualization of scientific data. *BMC Bioinformatics*, **2019**, 20, 42	3.6	31
223	Molecular Hallmarks of Multiparametric Magnetic Resonance Imaging Visibility in Prostate Cancer. *European Urology*, **2019**, 76, 18-23	10.2	30
222	Detecting protein variants by mass spectrometry: a comprehensive study in cancer cell-lines. *Genome Medicine*, **2017**, 9, 62	14.4	30
221	Genome-wide gene expression profiling of stress response in a spinal cord clip compression injury model. *BMC Genomics*, **2013**, 14, 583	4.5	30
220	TCDD dysregulation of 13 AHR-target genes in rat liver. *Toxicology and Applied Pharmacology*, **2014**, 274, 445-54	4.6	30
219	A Progesterone-CXCR4 Axis Controls Mammary Progenitor Cell Fate in the Adult Gland. *Stem Cell Reports*, **2015**, 4, 313-322	8	29
218	MYC interaction with the tumor suppressive SWI/SNF complex member INI1 regulates transcription and cellular transformation. *Cell Cycle*, **2016**, 15, 1693-705	4.7	29
217	Toward better benchmarking: challenge-based methods assessment in cancer genomics. *Genome Biology*, **2014**, 15, 462	18.3	29

216	Teneurin C-terminal associated peptide (TCAP)-1 modulates dendritic morphology in hippocampal neurons and decreases anxiety-like behaviors in rats. *Physiology and Behavior*, **2011**, 104, 199-204	3.5	29
215	Expression profiling during mammary epithelial cell three-dimensional morphogenesis identifies PTPRO as a novel regulator of morphogenesis and ErbB2-mediated transformation. *Molecular and Cellular Biology*, **2012**, 32, 3913-24	4.8	29
214	Combining accurate tumor genome simulation with crowdsourcing to benchmark somatic structural variant detection. *Genome Biology*, **2018**, 19, 188	18.3	29
213	miRNA-106a and prostate cancer radioresistance: a novel role for LITAF in ATM regulation. *Molecular Oncology*, **2018**, 12, 1324-1341	7.9	29
212	PI3K/AKT/mTOR inhibition in combination with doxorubicin is an effective therapy for leiomyosarcoma. *Journal of Translational Medicine*, **2016**, 14, 67	8.5	28
211	Translating a Prognostic DNA Genomic Classifier into the Clinic: Retrospective Validation in 563 Localized Prostate Tumors. *European Urology*, **2017**, 72, 22-31	10.2	28
210	Anti-nucleosome antibodies outperform traditional biomarkers as longitudinal indicators of disease activity in systemic lupus erythematosus. *Rheumatology*, **2015**, 54, 449-57	3.9	28
209	Identification of genes expressed by immune cells of the colon that are regulated by colorectal cancer-associated variants. *International Journal of Cancer*, **2014**, 134, 2330-41	7.5	28
208	A Pilot Study Comparing HPV-Positive and HPV-Negative Head and Neck Squamous Cell Carcinomas by Whole Exome Sequencing. *ISRN Oncology*, **2012**, 2012, 809370		28
207	The evolutionary history of 2,658 cancers		28
206	VennDIS: a JavaFX-based Venn and Euler diagram software to generate publication quality figures. *Proteomics*, **2015**, 15, 1239-44	4.8	27
205	miR-620 promotes tumor radioresistance by targeting 15-hydroxyprostaglandin dehydrogenase (HPGD). *Oncotarget*, **2015**, 6, 22439-51	3.3	27
204	The path to routine use of genomic biomarkers in the cancer clinic. *Genome Research*, **2015**, 25, 1508-13	9.7	26
203	Optimization of experimental design parameters for high-throughput chromatin immunoprecipitation studies. *Nucleic Acids Research*, **2008**, 36, e144	20.1	26
202	Polymorphisms of human nuclear receptors that control expression of drug-metabolizing enzymes. *Pharmacogenetics and Genomics*, **2005**, 15, 371-9	1.9	26
201	Genome-wide germline correlates of the epigenetic landscape of prostate cancer. *Nature Medicine*, **2019**, 25, 1615-1626	50.5	25
200	Male and female mice show significant differences in hepatic transcriptomic response to 2,3,7,8-tetrachlorodibenzo-p-dioxin. *BMC Genomics*, **2015**, 16, 625	4.5	25
199	Identification of a neutrophil-related gene expression signature that is enriched in adult systemic lupus erythematosus patients with active nephritis: Clinical/pathologic associations and etiologic mechanisms. *PLoS ONE*, **2018**, 13, e0196117	3.7	25

198	Inter-strain heterogeneity in rat hepatic transcriptomic responses to 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD). *Toxicology and Applied Pharmacology*, **2012**, 260, 135-45	4.6	25
197	The role of Cancer-Testis antigens as predictive and prognostic markers in non-small cell lung cancer. *PLoS ONE*, **2013**, 8, e67876	3.7	25
196	NBN gain is predictive for adverse outcome following image-guided radiotherapy for localized prostate cancer. *Oncotarget*, **2014**, 5, 11081-90	3.3	25
195	Characterizing genetic intra-tumor heterogeneity across 2,658 human cancer genomes		25
194	A practical guide to cancer subclonal reconstruction from DNA sequencing. *Nature Methods*, **2021**, 18, 144-155	21.6	25
193	A clinically applicable integrative molecular classification of meningiomas. *Nature*, **2021**, 597, 119-125	50.4	25
192	Developing a prognostic micro-RNA signature for human cervical carcinoma. *PLoS ONE*, **2015**, 10, e0123946	3.7	24
191	PUNS: transcriptomic- and genomic-in silico PCR for enhanced primer design. *Bioinformatics*, **2004**, 20, 2399-400	7.2	23
190	Sex differences in oncogenic mutational processes. *Nature Communications*, **2020**, 11, 4330	17.4	23
189	MYC dephosphorylation by the PP1/PNUTS phosphatase complex regulates chromatin binding and protein stability. *Nature Communications*, **2018**, 9, 3502	17.4	23
188	MYC phosphorylation at novel regulatory regions suppresses transforming activity. *Cancer Research*, **2013**, 73, 6504-15	10.1	22
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186	Noncoding mutations target cis-regulatory elements of the FOXA1 plexus in prostate cancer. *Nature Communications*, **2020**, 11, 441	17.4	21
185	Cistrome Partitioning Reveals Convergence of Somatic Mutations and Risk Variants on Master Transcription Regulators in Primary Prostate Tumors. *Cancer Cell*, **2019**, 36, 674-689.e6	24.3	21
184	ISOpureR: an R implementation of a computational purification algorithm of mixed tumour profiles. *BMC Bioinformatics*, **2015**, 16, 156	3.6	21
183	Exploiting high-throughput cell line drug screening studies to identify candidate therapeutic agents in head and neck cancer. *BMC Pharmacology & Toxicology*, **2014**, 15, 66	2.6	21
182	Prophylactic valproic acid treatment prevents schizophrenia-related behaviour in Disc1-L100P mutant mice. *PLoS ONE*, **2012**, 7, e51562	3.7	21
181	Molecular markers of injury in kidney biopsy specimens of patients with lupus nephritis. *Journal of Molecular Diagnostics*, **2011**, 13, 143-51	5.1	21

180	A Crowdsourcing Approach to Developing and Assessing Prediction Algorithms for AML Prognosis. *PLoS Computational Biology*, **2016**, 12, e1004890	5	21
179	Local Failure and Survival After Definitive Radiotherapy for Aggressive Prostate Cancer: An Individual Patient-level Meta-analysis of Six Randomized Trials. *European Urology*, **2020**, 77, 201-208	10.2	21
178	Mining Human Prostate Cancer Datasets: The "camcAPP" Shiny App. *EBioMedicine*, **2017**, 17, 5-6	8.8	20
177	PDGFR stromal adipocyte progenitors transition into epithelial cells during lobulo-alveologenesis in the murine mammary gland. *Nature Communications*, **2019**, 10, 1760	17.4	20
176	Candidate Cancer Driver Mutations in Distal Regulatory Elements and Long-Range Chromatin Interaction Networks. *Molecular Cell*, **2020**, 77, 1307-1321.e10	17.6	20
175	Mammary molecular portraits reveal lineage-specific features and progenitor cell vulnerabilities. *Journal of Cell Biology*, **2018**, 217, 2951-2974	7.3	20
174	Genomic Classifier for Guiding Treatment of Intermediate-Risk Prostate Cancers to Dose-Escalated Image Guided Radiation Therapy Without Hormone Therapy. *International Journal of Radiation Oncology Biology Physics*, **2019**, 103, 84-91	4	20
173	Deregulation of the spindle assembly checkpoint is associated with paclitaxel resistance in ovarian cancer. *Journal of Ovarian Research*, **2018**, 11, 27	5.5	19
172	A three-gene DNA methylation biomarker accurately classifies early stage prostate cancer. *Prostate*, **2019**, 79, 1705-1714	4.2	19
171	Ensemble analyses improve signatures of tumour hypoxia and reveal inter-platform differences. *BMC Bioinformatics*, **2014**, 15, 170	3.6	19
170	Genome-wide effects of acute progressive feed restriction in liver and white adipose tissue. *Toxicology and Applied Pharmacology*, **2008**, 230, 41-56	4.6	19
169	Pathway-based subnetworks enable cross-disease biomarker discovery. *Nature Communications*, **2018**, 9, 4746	17.4	19
168	VennDiagramWeb: a web application for the generation of highly customizable Venn and Euler diagrams. *BMC Bioinformatics*, **2016**, 17, 401	3.6	18
167	Repurposing Albendazole: new potential as a chemotherapeutic agent with preferential activity against HPV-negative head and neck squamous cell cancer. *Oncotarget*, **2017**, 8, 71512-71519	3.3	18
166	A discrete cluster of urinary biomarkers discriminates between active systemic lupus erythematosus patients with and without glomerulonephritis. *Arthritis Research and Therapy*, **2016**, 18, 218	5.7	18
165	What Is Oligometastatic Prostate Cancer?. *European Urology Focus*, **2019**, 5, 159-161	5.1	17
164	Appropriateness of using patient-derived xenograft models for pharmacologic evaluation of novel therapies for esophageal/gastro-esophageal junction cancers. *PLoS ONE*, **2015**, 10, e0121872	3.7	17
163	Allele-Skewed DNA Modification in the Brain: Relevance to a Schizophrenia GWAS. *American Journal of Human Genetics*, **2016**, 98, 956-962	11	17

162	Pro- and anti-inflammatory cytokine associations with major depression in cancer patients. *Psycho-Oncology*, **2017**, 26, 2149-2156	3.9	16
161	Sex-related differences in murine hepatic transcriptional and proteomic responses to TCDD. *Toxicology and Applied Pharmacology*, **2015**, 284, 188-96	4.6	16
160	Optimization and expansion of non-negative matrix factorization. *BMC Bioinformatics*, **2020**, 21, 7	3.6	16
159	Downregulation of histone H2A and H2B pathways is associated with anthracycline sensitivity in breast cancer. *Breast Cancer Research*, **2016**, 18, 16	8.3	16
158	Systematic analysis of 18F-FDG PET and metabolism, proliferation and hypoxia markers for classification of head and neck tumors. *BMC Cancer*, **2014**, 14, 130	4.8	16
157	miR-191 promotes radiation resistance of prostate cancer through interaction with RXRA. *Cancer Letters*, **2020**, 473, 107-117	9.9	16
156	A controlled trial of HNSCC patient-derived xenografts reveals broad efficacy of PI3K inhibition in controlling tumor growth. *International Journal of Cancer*, **2019**, 145, 2100-2106	7.5	16
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