Peter Bankhead

List of Publications by Year in Descending Order

45 papers	3,063 citations	21 h-index	55 g-index
55 ext. papers	4,950 ext. citations	7.6 avg, IF	4.89 L-index

#	Paper	IF	Citations
45	MITI minimum information guidelines for highly multiplexed tissue images.. *Nature Methods*, **2022**, 19, 262-267	21.6	2
44	Developing open-source software for bioimage analysis: opportunities and challenges. *F1000Research*, **2021**, 10, 302	3.6	3
43	Deep Learning-Based Segmentation and Quantification in Experimental Kidney Histopathology. *Journal of the American Society of Nephrology: JASN*, **2021**, 32, 52-68	12.7	18
42	Identifying mismatch repair-deficient colon cancer: near-perfect concordance between immunohistochemistry and microsatellite instability testing in a large, population-based series. *Histopathology*, **2021**, 78, 401-413	7.3	14
41	Development of a semi-automated method for tumour budding assessment in colorectal cancer and comparison with manual methods. *Histopathology*, **2021**,	7.3	2
40	Immune status is prognostic for poor survival in colorectal cancer patients and is associated with tumour hypoxia. *British Journal of Cancer*, **2020**, 123, 1280-1288	8.7	22
39	Pan-cancer image-based detection of clinically actionable genetic alterations. *Nature Cancer*, **2020**, 1, 789-799	15.4	119
38	Human Pancreatic Carcinoma-Associated Fibroblasts Promote Expression of Co-inhibitory Markers on CD4 and CD8 T-Cells. *Frontiers in Immunology*, **2019**, 10, 847	8.4	59
37	Digital and Computational Pathology for Biomarker Discovery **2019**, 87-105		3
36	Validation of the systematic scoring of immunohistochemically stained tumour tissue microarrays using QuPath digital image analysis. *Histopathology*, **2018**, 73, 327-338	7.3	27
35	Integrated tumor identification and automated scoring minimizes pathologist involvement and provides new insights to key biomarkers in breast cancer. *Laboratory Investigation*, **2018**, 98, 15-26	5.9	47
34	Characterization of a murine mixed neuron-glia model and cellular responses to regulatory T cell-derived factors. *Molecular Brain*, **2018**, 11, 25	4.5	6
33	as a poor prognostic biomarker and predictor of response to adjuvant chemotherapy specifically in -mutant stage II and III colon cancer. *Oncotarget*, **2018**, 9, 13834-13847	3.3	4
32	Topography of cancer-associated immune cells in human solid tumors. *ELife*, **2018**, 7,	8.9	123
31	Early Commissural Diencephalic Neurons Control Habenular Axon Extension and Targeting. *Current Biology*, **2017**, 27, 270-278	6.3	8
30	Evaluation of PTGS2 Expression, PIK3CA Mutation, Aspirin Use and Colon Cancer Survival in a Population-Based Cohort Study. *Clinical and Translational Gastroenterology*, **2017**, 8, e91	4.2	42
29	Statin use, candidate mevalonate pathway biomarkers, and colon cancer survival in a population-based cohort study. *British Journal of Cancer*, **2017**, 116, 1652-1659	8.7	26

28	Regulatory T cells promote myelin regeneration in the central nervous system. *Nature Neuroscience* , **2017**, 20, 674-680	25.5	208
27	Embracing an integromic approach to tissue biomarker research in cancer: Perspectives and lessons learned. *Briefings in Bioinformatics*, **2017**, 18, 634-646	13.4	6
26	QuPath: Open source software for digital pathology image analysis. *Scientific Reports*, **2017**, 7, 16878	4.9	1369
25	The RNA processing factors THRAP3 and BCLAF1 promote the DNA damage response through selective mRNA splicing and nuclear export. *Nucleic Acids Research*, **2017**, 45, 12816-12833	20.1	51
24	QUADrATiC: scalable gene expression connectivity mapping for repurposing FDA-approved therapeutics. *BMC Bioinformatics*, **2016**, 17, 198	3.6	21
23	PICan: An integromics framework for dynamic cancer biomarker discovery. *Molecular Oncology*, **2015**, 9, 1234-40	7.9	13
22	Automated tumor analysis for molecular profiling in lung cancer. *Oncotarget*, **2015**, 6, 27938-52	3.3	30
21	Dengue Virus Inhibition of Autophagic Flux and Dependency of Viral Replication on Proteasomal Degradation of the Autophagy Receptor p62. *Journal of Virology*, **2015**, 89, 8026-41	6.6	70
20	Digital pathology and image analysis in tissue biomarker research. *Methods*, **2014**, 70, 59-73	4.6	120
19	The role of K+ and Cl- channels in the regulation of retinal arteriolar tone and blood flow **2014**, 55, 2157-65		8
18	Acridine orange leukocyte fluorography in mice. *Experimental Eye Research*, **2014**, 120, 15-9	3.7	8
17	Automated detection and measurement of isolated retinal arterioles by a combination of edge enhancement and cost analysis. *PLoS ONE*, **2014**, 9, e91791	3.7	4
16	Zebrafish Brain Development Monitored by Long-Term In Vivo Microscopy: A Comparison Between Laser Scanning Confocal and 2-Photon Microscopy. *Neuromethods*, **2014**, 163-188	0.4	
15	cudaMap: a GPU accelerated program for gene expression connectivity mapping. *BMC Bioinformatics*, **2013**, 14, 305	3.6	21
14	Ca(2+) sparks promote myogenic tone in retinal arterioles. *British Journal of Pharmacology*, **2013**, 168, 1675-86	8.6	14
13	The ventral habenulae of zebrafish develop in prosomere 2 dependent on Tcf7l2 function. *Neural Development*, **2013**, 8, 19	3.9	29
12	Xenopus cytoplasmic linker-associated protein 1 (XCLASP1) promotes axon elongation and advance of pioneer microtubules. *Molecular Biology of the Cell*, **2013**, 24, 1544-58	3.5	31
11	Dynamic oscillation of translation and stress granule formation mark the cellular response to virus infection. *Cell Host and Microbe*, **2012**, 12, 71-85	23.4	131

10	HIV-1 Nef limits communication between linker of activated T cells and SLP-76 to reduce formation of SLP-76-signaling microclusters following TCR stimulation. *Journal of Immunology*, **2012**, 189, 1898-910	5.3	25
9	Translation suppression promotes stress granule formation and cell survival in response to cold shock. *Molecular Biology of the Cell*, **2012**, 23, 3786-800	3.5	105
8	Fast retinal vessel detection and measurement using wavelets and edge location refinement. *PLoS ONE*, **2012**, 7, e32435	3.7	201
7	Feedback via Ca□+-activated ion channels modulates endothelin 1 signaling in retinal arteriolar smooth muscle **2012**, 53, 3059-66		13
6	Endothelin 1 stimulates Ca2+-sparks and oscillations in retinal arteriolar myocytes via IP3R and RyR-dependent Ca2+ release **2011**, 52, 3874-9		17
5	Detecting Ca2+ sparks on stationary and varying baselines. *American Journal of Physiology - Cell Physiology*, **2011**, 301, C717-28	5.4	7
4	cAMP/PKA-dependent increases in Ca Sparks, oscillations and SR Ca stores in retinal arteriolar myocytes after exposure to vasopressin **2010**, 51, 1591-8		9
3	QuPath: Open source software for digital pathology image analysis		8
2	Deep learning detects virus presence in cancer histology		11
1	Bcl-xL as a poor prognostic biomarker and predictor of response to adjuvant chemotherapy specifically in BRAF-mutant stage II and III colon cancer		1