

Peter Bankhead

List of Publications by Year in descending order

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Version: 2024-02-01

47
papers

6,772
citations

257357

24
h-index

289141

40
g-index

55
all docs

55
docs citations

55
times ranked

13088
citing authors

#	ARTICLE	IF	CITATIONS
1	QuPath: Open source software for digital pathology image analysis. <i>Scientific Reports</i> , 2017, 7, 16878.	1.6	3,854
2	Regulatory T cells promote myelin regeneration in the central nervous system. <i>Nature Neuroscience</i> , 2017, 20, 674-680.	7.1	343
3	Pan-cancer image-based detection of clinically actionable genetic alterations. <i>Nature Cancer</i> , 2020, 1, 789-799.	5.7	343
4	Fast Retinal Vessel Detection and Measurement Using Wavelets and Edge Location Refinement. <i>PLoS ONE</i> , 2012, 7, e32435.	1.1	272
5	Topography of cancer-associated immune cells in human solid tumors. <i>ELife</i> , 2018, 7, .	2.8	206
6	Dynamic Oscillation of Translation and Stress Granule Formation Mark the Cellular Response to Virus Infection. <i>Cell Host and Microbe</i> , 2012, 12, 71-85.	5.1	166
7	Digital pathology and image analysis in tissue biomarker research. <i>Methods</i> , 2014, 70, 59-73.	1.9	162
8	Translation suppression promotes stress granule formation and cell survival in response to cold shock. <i>Molecular Biology of the Cell</i> , 2012, 23, 3786-3800.	0.9	137
9	Human Pancreatic Carcinoma-Associated Fibroblasts Promote Expression of Co-inhibitory Markers on CD4+ and CD8+ T-Cells. <i>Frontiers in Immunology</i> , 2019, 10, 847.	2.2	137
10	Dengue Virus Inhibition of Autophagic Flux and Dependency of Viral Replication on Proteasomal Degradation of the Autophagy Receptor p62. <i>Journal of Virology</i> , 2015, 89, 8026-8041.	1.5	100
11	Deep Learning-Based Segmentation and Quantification in Experimental Kidney Histopathology. <i>Journal of the American Society of Nephrology: JASN</i> , 2021, 32, 52-68.	3.0	93
12	Integrated tumor identification and automated scoring minimizes pathologist involvement and provides new insights to key biomarkers in breast cancer. <i>Laboratory Investigation</i> , 2018, 98, 15-26.	1.7	81
13	The RNA processing factors THRAP3 and BCLAF1 promote the DNA damage response through selective mRNA splicing and nuclear export. <i>Nucleic Acids Research</i> , 2017, 45, 12816-12833.	6.5	79
14	Validation of the systematic scoring of immunohistochemically stained tumour tissue microarrays using QuPath digital image analysis. <i>Histopathology</i> , 2018, 73, 327-338.	1.6	63
15	Evaluation of PTGS2 Expression, PIK3CA Mutation, Aspirin Use and Colon Cancer Survival in a Population-Based Cohort Study. <i>Clinical and Translational Gastroenterology</i> , 2017, 8, e91.	1.3	56
16	Identifying mismatch repair-deficient colon cancer: near-perfect concordance between immunohistochemistry and microsatellite instability testing in a large, population-based series. <i>Histopathology</i> , 2021, 78, 401-413.	1.6	55
17	Xenopus cytoplasmic linker-associated protein 1 (XCLASP1) promotes axon elongation and advance of pioneer microtubules. <i>Molecular Biology of the Cell</i> , 2013, 24, 1544-1558.	0.9	53
18	Immune status is prognostic for poor survival in colorectal cancer patients and is associated with tumour hypoxia. <i>British Journal of Cancer</i> , 2020, 123, 1280-1288.	2.9	45

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19	Automated tumor analysis for molecular profiling in lung cancer. <i>Oncotarget</i> , 2015, 6, 27938-27952.	0.8	43
20	The ventral habenulae of zebrafish develop in prosomere 2 dependent on Tcf7l2 function. <i>Neural Development</i> , 2013, 8, 19.	1.1	39
21	Statin use, candidate mevalonate pathway biomarkers, and colon cancer survival in a population-based cohort study. <i>British Journal of Cancer</i> , 2017, 116, 1652-1659.	2.9	37
22	MITI minimum information guidelines for highly multiplexed tissue images. <i>Nature Methods</i> , 2022, 19, 262-267.	9.0	37
23	HIV-1 Nef Limits Communication between Linker of Activated T Cells and SLP-76 To Reduce Formation of SLP-76â€“Signaling Microclusters following TCR Stimulation. <i>Journal of Immunology</i> , 2012, 189, 1898-1910.	0.4	27
24	Developing image analysis methods for digital pathology. <i>Journal of Pathology</i> , 2022, 257, 391-402.	2.1	26
25	cudaMap: a GPU accelerated program for gene expression connectivity mapping. <i>BMC Bioinformatics</i> , 2013, 14, 305.	1.2	25
26	QUADrATiC: scalable gene expression connectivity mapping for repurposing FDA-approved therapeutics. <i>BMC Bioinformatics</i> , 2016, 17, 198.	1.2	25
27	Developing open-source software for bioimage analysis: opportunities and challenges. <i>F1000Research</i> , 2021, 10, 302.	0.8	20
28	<scp><scp>Ca²⁺</scp></scp> sparks promote myogenic tone in retinal arterioles. <i>British Journal of Pharmacology</i> , 2013, 168, 1675-1686.	2.7	19
29	Endothelin 1 Stimulates Ca²⁺-Sparks and Oscillations in Retinal Arteriolar Myocytes via IP₃R and RyR-Dependent Ca²⁺Release. , 2011, 52, 3874.		18
30	PICan: An integromics framework for dynamic cancer biomarker discovery. <i>Molecular Oncology</i> , 2015, 9, 1234-1240.	2.1	15
31	Feedback via Ca²⁺-Activated Ion Channels Modulates Endothelin 1 Signaling in Retinal Arteriolar Smooth Muscle. , 2012, 53, 3059.		13
32	Early Commissural Diencephalic Neurons Control Habenular Axon Extension and Targeting. <i>Current Biology</i> , 2017, 27, 270-278.	1.8	13
33	Characterization of a murine mixed neuron-glia model and cellular responses to regulatory T cell-derived factors. <i>Molecular Brain</i> , 2018, 11, 25.	1.3	13
34	Development of a semiâ€“automated method for tumour budding assessment in colorectal cancer and comparison with manual methods. <i>Histopathology</i> , 2022, 80, 485-500.	1.6	11
35	The Role of K⁺and Cl^{âˆ“}Channels in the Regulation of Retinal Arteriolar Tone and Blood Flow. , 2014, 55, 2157.		10
36	Acridine orange leukocyte fluorography in mice. <i>Experimental Eye Research</i> , 2014, 120, 15-19.	1.2	10

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37	Automated Detection and Measurement of Isolated Retinal Arterioles by a Combination of Edge Enhancement and Cost Analysis. PLoS ONE, 2014, 9, e91791.	1.1	10
38	cAMP/PKA-Dependent Increases in Ca Sparks, Oscillations and SR Ca Stores in Retinal Arteriolar Myocytes after Exposure to Vasopressin. , 2010, 51, 1591.		9
39	Embracing an integrative approach to tissue biomarker research in cancer: Perspectives and lessons learned. Briefings in Bioinformatics, 2017, 18, bbw044.	3.2	9
40	<i>Bcl-xL</i> as a poor prognostic biomarker and predictor of response to adjuvant chemotherapy specifically in <i>BRAF</i> -mutant stage II and III colon cancer. Oncotarget, 2018, 9, 13834-13847.	0.8	9
41	Detecting Ca ²⁺ sparks on stationary and varying baselines. American Journal of Physiology - Cell Physiology, 2011, 301, C717-C728.	2.1	8
42	Using the R Package Spatstat to Assess Inhibitory Effects of Microregional Hypoxia on the Infiltration of Cancers of the Head and Neck Region by Cytotoxic T Lymphocytes. Cancers, 2021, 13, 1924.	1.7	5
43	Digital and Computational Pathology for Biomarker Discovery. , 2019, , 87-105.		3
44	Recent Advances in Pathology: the 2022 Annual Review Issue of <i>The Journal of Pathology</i> . Journal of Pathology, 2022, 257, 379-382.	2.1	2
45	The role of soluble factors secreted from Treg cells in central nervous system myelination. Journal of Neuroimmunology, 2014, 275, 204.	1.1	0
46	Zebrafish Brain Development Monitored by Long-Term In Vivo Microscopy: A Comparison Between Laser Scanning Confocal and 2-Photon Microscopy. Neuromethods, 2014, , 163-188.	0.2	0
47	ATU-10...QuPath machine learning algorithm accurately identifies MLH1 deficient inflammatory bowel disease-associated colorectal cancer. , 2021, , .		0