

Andrew H Beck

List of Publications by Year in Descending Order

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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.

45
papers

4,970
citations

25
h-index

48
g-index

48
ext. papers

6,492
ext. citations

15.7
avg, IF

4.81
L-index

#	Paper	IF	Citations
45	Human-interpretable image features derived from densely mapped cancer pathology slides predict diverse molecular phenotypes. <i>Nature Communications</i> , 2021 , 12, 1613	17.4	28
44	A Machine Learning Approach Enables Quantitative Measurement of Liver Histology and Disease Monitoring in NASH. <i>Hepatology</i> , 2021 , 74, 133-147	11.2	20
43	A Machine Learning Approach to Liver Histological Evaluation Predicts Clinically Significant Portal Hypertension in NASH Cirrhosis. <i>Hepatology</i> , 2021 , 74, 3146-3160	11.2	1
42	Report on computational assessment of Tumor Infiltrating Lymphocytes from the International Immuno-Oncology Biomarker Working Group. <i>Npj Breast Cancer</i> , 2020 , 6, 16	7.8	47
41	Is a Transcriptional Dependency in Triple-Negative Breast Cancer Associated with Brain Metastasis. <i>Cancer Research</i> , 2019 , 79, 4173-4183	10.1	20
40	Predicting breast tumor proliferation from whole-slide images: The TUPAC16 challenge. <i>Medical Image Analysis</i> , 2019 , 54, 111-121	15.4	109
39	Application of convolutional neural networks to breast biopsies to delineate tissue correlates of mammographic breast density. <i>Npj Breast Cancer</i> , 2019 , 5, 43	7.8	6
38	SPOP Promotes Nanog Destruction to Suppress Stem Cell Traits and Prostate Cancer Progression. <i>Developmental Cell</i> , 2019 , 48, 329-344.e5	10.2	36
37	Molecular mechanisms linking high body mass index to breast cancer etiology in post-menopausal breast tumor and tumor-adjacent tissues. <i>Breast Cancer Research and Treatment</i> , 2019 , 173, 667-677	4.4	16
36	Using deep convolutional neural networks to identify and classify tumor-associated stroma in diagnostic breast biopsies. <i>Modern Pathology</i> , 2018 , 31, 1502-1512	9.8	95
35	Crowdsourcing scoring of immunohistochemistry images: Evaluating Performance of the Crowd and an Automated Computational Method. <i>Scientific Reports</i> , 2017 , 7, 43286	4.9	20
34	DEEP LEARNING-BASED ASSESSMENT OF TUMOR-ASSOCIATED STROMA FOR DIAGNOSING BREAST CANCER IN HISTOPATHOLOGY IMAGES 2017 , 2017, 929-932	1.5	16
33	Aspirin Suppresses Growth in PI3K-Mutant Breast Cancer by Activating AMPK and Inhibiting mTORC1 Signaling. <i>Cancer Research</i> , 2017 , 77, 790-801	10.1	68
32	Breast cancer risk factors in relation to estrogen receptor, progesterone receptor, insulin-like growth factor-1 receptor, and Ki67 expression in normal breast tissue. <i>Npj Breast Cancer</i> , 2017 , 3, 39	7.8	17
31	Alcohol consumption and breast tumor gene expression. <i>Breast Cancer Research</i> , 2017 , 19, 108	8.3	18
30	Prostate cancer-associated SPOP mutations confer resistance to BET inhibitors through stabilization of BRD4. <i>Nature Medicine</i> , 2017 , 23, 1063-1071	50.5	169
29	Nanoscale imaging of clinical specimens using pathology-optimized expansion microscopy. <i>Nature Biotechnology</i> , 2017 , 35, 757-764	44.5	114

28	Diagnostic Assessment of Deep Learning Algorithms for Detection of Lymph Node Metastases in Women With Breast Cancer. <i>JAMA - Journal of the American Medical Association</i> , 2017 , 318, 2199-2210	27.4	1165
27	The molecular basis of breast cancer pathological phenotypes. <i>Journal of Pathology</i> , 2017 , 241, 375-391	9.4	62
26	Deep learning assessment of tumor proliferation in breast cancer histological images 2017 ,		15
25	A BRCA1/2 Mutational Signature and Survival in Ovarian High-Grade Serous Carcinoma. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2016 , 25, 1511-1516	4	13
24	The SIRT2 Deacetylase Stabilizes Slug to Control Malignancy of Basal-like Breast Cancer. <i>Cell Reports</i> , 2016 , 17, 1302-1317	10.6	67
23	Region of interest identification and diagnostic agreement in breast pathology. <i>Modern Pathology</i> , 2016 , 29, 1004-11	9.8	10
22	PharmacGx: an R package for analysis of large pharmacogenomic datasets. <i>Bioinformatics</i> , 2016 , 32, 1244-6	7.2	127
21	LINC00520 is induced by Src, STAT3, and PI3K and plays a functional role in breast cancer. <i>Oncotarget</i> , 2016 , 7, 81981-81994	3.3	32
20	Safikhani et al. reply. <i>Nature</i> , 2016 , 540, E2-E4	50.4	14
19	Safikhani et al. reply. <i>Nature</i> , 2016 , 540, E6-E8	50.4	9
18	Safikhani et al. reply. <i>Nature</i> , 2016 , 540, E11-E12	50.4	8
17	DNA defects, epigenetics, and gene expression in cancer-adjacent breast: a study from The Cancer Genome Atlas. <i>Npj Breast Cancer</i> , 2016 , 2, 16007	7.8	25
16	Oncogenic Role of Fusion-circRNAs Derived from Cancer-Associated Chromosomal Translocations. <i>Cell</i> , 2016 , 165, 289-302	56.2	350
15	TNF- α expression, risk factors, and inflammatory exposures in ovarian cancer: evidence for an inflammatory pathway of ovarian carcinogenesis?. <i>Human Pathology</i> , 2016 , 54, 82-91	3.7	36
14	Antibody Therapy Targeting CD47 and CD271 Effectively Suppresses Melanoma Metastasis in Patient-Derived Xenografts. <i>Cell Reports</i> , 2016 , 16, 1701-1716	10.6	48
13	Etiologic field effect: reappraisal of the field effect concept in cancer predisposition and progression. <i>Modern Pathology</i> , 2015 , 28, 14-29	9.8	125
12	NFAT1 promotes intratumoral neutrophil infiltration by regulating IL8 expression in breast cancer. <i>Molecular Oncology</i> , 2015 , 9, 1140-54	7.9	28
11	MERIT40 Is an Akt Substrate that Promotes Resolution of DNA Damage Induced by Chemotherapy. <i>Cell Reports</i> , 2015 , 11, 1358-66	10.6	30

10	Noninvasive imaging of tumor burden and molecular pathways in mouse models of cancer. <i>Cold Spring Harbor Protocols</i> , 2015 , 2015, 135-44	1.2	24
9	Comprehensive Molecular Portraits of Invasive Lobular Breast Cancer. <i>Cell</i> , 2015 , 163, 506-19	56.2	1055
8	SPOP Promotes Ubiquitination and Degradation of the ERG Oncoprotein to Suppress Prostate Cancer Progression. <i>Molecular Cell</i> , 2015 , 59, 917-30	17.6	136
7	The reprogramming of tumor stroma by HSF1 is a potent enabler of malignancy. <i>Cell</i> , 2014 , 158, 564-78	56.2	235
6	Increased rate of atypical squamous cells of undetermined significance and declining high-risk human papillomavirus rates following implementation of ThinPrep Imaging System are associated with increased nuclear chromasia. <i>Journal of the American Society of Cytopathology</i> , 2014 , 3, 73-78	2.4	1
5	Computational pathology to discriminate benign from malignant intraductal proliferations of the breast. <i>PLoS ONE</i> , 2014 , 9, e114885	3.7	82
4	Chromosomal copy number alterations (CNAs) for risk assessment of ductal carcinoma in situ (DCIS).. <i>Journal of Clinical Oncology</i> , 2014 , 32, 565-565	2.2	
3	Application of Image-Guided Coring as a new technique for targeting breast tumor tissue in molecular pathology. <i>FASEB Journal</i> , 2013 , 27, lb460	0.9	
2	Evaluation of a gene expression microarray-based assay to determine tissue type of origin on a diverse set of 49 malignancies. <i>American Journal of Surgical Pathology</i> , 2011 , 35, 1030-7	6.7	10
1	Systematic analysis of breast cancer morphology uncovers stromal features associated with survival. <i>Science Translational Medicine</i> , 2011 , 3, 108ra113	17.5	456