Andrew H Beck

List of Publications by Year
in descending order

47 papers	7,676 citations	201674 27 h-index	254184 43 g-index
48 all docs	48 docs citations	48 times ranked	14725 citing authors

#	Article	IF	Citations
1	Human-interpretable image features derived from densely mapped cancer pathology slides predict diverse molecular phenotypes. Nature Communications, 2021, 12, 1613.	12.8	114
2	A Machine Learning Approach Enables Quantitative Measurement of Liver Histology and Disease Monitoring in NASH. Hepatology, 2021, 74, 133-147.	7.3	101
3	A Machine Learning Approach to Liver Histological Evaluation Predicts Clinically Significant Portal Hypertension in NASH Cirrhosis. Hepatology, 2021, 74, 3146-3160.	7.3	25
4	Report on computational assessment of Tumor Infiltrating Lymphocytes from the International Immuno-Oncology Biomarker Working Group. Npj Breast Cancer, 2020, 6, 16.	5.2	90
5	*EN1* Is a Transcriptional Dependency in Triple-Negative Breast Cancer Associated with Brain Metastasis. Cancer Research, 2019, 79, 4173-4183.	0.9	47
6	Predicting breast tumor proliferation from whole-slide images: The TUPAC16 challenge. Medical Image Analysis, 2019, 54, 111-121.	11.6	182
7	Application of convolutional neural networks to breast biopsies to delineate tissue correlates of mammographic breast density. Npj Breast Cancer, 2019, 5, 43.	5.2	12
8	SPOP Promotes Nanog Destruction to Suppress Stem Cell Traits and Prostate Cancer Progression. Developmental Cell, 2019, 48, 329-344.e5.	7.0	53
9	Molecular mechanisms linking high body mass index to breast cancer etiology in post-menopausal breast tumor and tumor-adjacent tissues. Breast Cancer Research and Treatment, 2019, 173, 667-677.	2.5	19
10	Using deep convolutional neural networks to identify and classify tumor-associated stroma in diagnostic breast biopsies. Modern Pathology, 2018, 31, 1502-1512.	5.5	145
11	Crowdsourcing scoring of immunohistochemistry images: Evaluating Performance of the Crowd and an Automated Computational Method. Scientific Reports, 2017, 7, 43286.	3.3	31
12	Deep learning-based assessment of tumor-associated stroma for diagnosing breast cancer in histopathology images. , 2017, 2017, 929-932.		27
13	Aspirin Suppresses Growth in PI3K-Mutant Breast Cancer by Activating AMPK and Inhibiting mTORC1 Signaling. Cancer Research, 2017, 77, 790-801.	0.9	96
14	Breast cancer risk factors in relation to estrogen receptor, progesterone receptor, insulin-like growth factor-1 receptor, and Ki67 expression in normal breast tissue. Npj Breast Cancer, 2017, 3, 39.	5.2	27
15	Prostate cancer–associated SPOP mutations confer resistance to BET inhibitors through stabilization of BRD4. Nature Medicine, 2017, 23, 1063-1071.	30.7	240
16	Nanoscale imaging of clinical specimens using pathology-optimized expansion microscopy. Nature Biotechnology, 2017, 35, 757-764.	17.5	182
17	Diagnostic Assessment of Deep Learning Algorithms for Detection of Lymph Node Metastases in Women With Breast Cancer. JAMA - Journal of the American Medical Association, 2017, 318, 2199.	7.4	2,003
18	The molecular basis of breast cancer pathological phenotypes. Journal of Pathology, 2017, 241, 375-391.	4.5	86

#	Article	IF	Citations
19	Deep learning assessment of tumor proliferation in breast cancer histological images. , 2017, , .		21
20	Alcohol consumption and breast tumor gene expression. Breast Cancer Research, 2017, 19, 108.	5.0	23
21	LINC00520 is induced by Src, STAT3, and PI3K and plays a functional role in breast cancer. Oncotarget, 2016, 7, 81981-81994.	1.8	48
22	Safikhani et al. reply. Nature, 2016, 540, E2-E4.	27.8	22
23	Safikhani et al. reply. Nature, 2016, 540, E6-E8.	27.8	10
24	Safikhani et al. reply. Nature, 2016, 540, E11-E12.	27.8	11
25	DNA defects, epigenetics, and gene expression in cancer-adjacent breast: a study from The Cancer Genome Atlas. Npj Breast Cancer, 2016, 2, 16007.	5.2	33
26	Oncogenic Role of Fusion-circRNAs Derived from Cancer-Associated Chromosomal Translocations. Cell, 2016, 165, 289-302.	28.9	567
27	TNF-α expression, risk factors, and inflammatory exposures in ovarian cancer: evidence for an inflammatory pathway of ovarian carcinogenesis?. Human Pathology, 2016, 54, 82-91.	2.0	45
28	Antibody Therapy Targeting CD47 and CD271 Effectively Suppresses Melanoma Metastasis in Patient-Derived Xenografts. Cell Reports, 2016, 16, 1701-1716.	6.4	56
29	A *BRCA1/2* Mutational Signature and Survival in Ovarian High-Grade Serous Carcinoma. Cancer Epidemiology Biomarkers and Prevention, 2016, 25, 1511-1516.	2.5	16
30	The SIRT2 Deacetylase Stabilizes Slug to Control Malignancy of Basal-like Breast Cancer. Cell Reports, 2016, 17, 1302-1317.	6.4	85
31	Region of interest identification and diagnostic agreement in breast pathology. Modern Pathology, 2016, 29, 1004-1011.	5.5	17
32	PharmacoGx: an R package for analysis of large pharmacogenomic datasets. Bioinformatics, 2016, 32, 1244-1246.	4.1	249
33	Progress in Medicine: Experts Take Stock. PLoS Medicine, 2015, 12, e1001933.	8.4	2
34	Etiologic field effect: reappraisal of the field effect concept in cancer predisposition and progression. Modern Pathology, 2015, 28, 14-29.	5.5	172
35	NFAT1 promotes intratumoral neutrophil infiltration by regulating IL8 expression in breast cancer. Molecular Oncology, 2015, 9, 1140-1154.	4.6	59
36	Open Access to Large Scale Datasets Is Needed to Translate Knowledge of Cancer Heterogeneity into Better Patient Outcomes. PLoS Medicine, 2015, 12, e1001794.	8.4	14

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37	MERIT40 Is an Akt Substrate that Promotes Resolution of DNA Damage Induced by Chemotherapy. Cell Reports, 2015, 11, 1358-1366.	6.4	40
38	Noninvasive Imaging of Tumor Burden and Molecular Pathways in Mouse Models of Cancer. Cold Spring Harbor Protocols, 2015, 2015, pdb.top069930.	0.3	28
39	Comprehensive Molecular Portraits of Invasive Lobular Breast Cancer. Cell, 2015, 163, 506-519.	28.9	1,485
40	SPOP Promotes Ubiquitination and Degradation of the ERG Oncoprotein to Suppress Prostate Cancer Progression. Molecular Cell, 2015, 59, 917-930.	9.7	172
41	The Reprogramming of Tumor Stroma by HSF1 Is a Potent Enabler of Malignancy. Cell, 2014, 158, 564-578.	28.9	298
42	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. Journal of the American Society of Cytopathology, 2014, 3, 73-78.	0.5	1
43	Computational Pathology to Discriminate Benign from Malignant Intraductal Proliferations of the Breast. PLoS ONE, 2014, 9, e114885.	2.5	106
44	Chromosomal copy number alterations (CNAs) for risk assessment of ductal carcinoma in situ (DCIS).. Journal of Clinical Oncology, 2014, 32, 565-565.	1.6	0
45	Application of Image‑Guided Coring as a new technique for targeting breast tumor tissue in molecular pathology. FASEB Journal, 2013, 27, lb460.	0.5	0
46	Evaluation of a Gene Expression Microarray-based Assay to Determine Tissue Type of Origin on a Diverse Set of 49 Malignancies. American Journal of Surgical Pathology, 2011, 35, 1030-1037.	3.7	12
47	Systematic Analysis of Breast Cancer Morphology Uncovers Stromal Features Associated with Survival. Science Translational Medicine, 2011, 3, 108ra113.	12.4	603