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	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
2	Comprehensive Molecular Portraits of Invasive Lobular Breast Cancer. Cell, 2015, 163, 506-519.	28.9	1,485
3	Systematic Analysis of Breast Cancer Morphology Uncovers Stromal Features Associated with Survival. Science Translational Medicine, 2011, 3, 108ra113.	12.4	603
4	Oncogenic Role of Fusion-circRNAs Derived from Cancer-Associated Chromosomal Translocations. Cell, 2016, 165, 289-302.	28.9	567
5	The Reprogramming of Tumor Stroma by HSF1 Is a Potent Enabler of Malignancy. Cell, 2014, 158, 564-578.	28.9	298
6	PharmacoGx: an R package for analysis of large pharmacogenomic datasets. Bioinformatics, 2016, 32, 1244-1246.	4.1	249
7	Prostate cancerâ€“associated SPOP mutations confer resistance to BET inhibitors through stabilization of BRD4. Nature Medicine, 2017, 23, 1063-1071.	30.7	240
8	Nanoscale imaging of clinical specimens using pathology-optimized expansion microscopy. Nature Biotechnology, 2017, 35, 757-764.	17.5	182
9	Predicting breast tumor proliferation from whole-slide images: The TUPAC16 challenge. Medical Image Analysis, 2019, 54, 111-121.	11.6	182
10	Etiologic field effect: reappraisal of the field effect concept in cancer predisposition and progression. Modern Pathology, 2015, 28, 14-29.	5.5	172
11	SPOP Promotes Ubiquitination and Degradation of the ERG Oncoprotein to Suppress Prostate Cancer Progression. Molecular Cell, 2015, 59, 917-930.	9.7	172
12	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
13	Human-interpretable image features derived from densely mapped cancer pathology slides predict diverse molecular phenotypes. Nature Communications, 2021, 12, 1613.	12.8	114
14	Computational Pathology to Discriminate Benign from Malignant Intraductal Proliferations of the Breast. PLoS ONE, 2014, 9, e114885.	2.5	106
15	A Machine Learning Approach Enables Quantitative Measurement of Liver Histology and Disease Monitoring in NASH. Hepatology, 2021, 74, 133-147.	7.3	101
16	Aspirin Suppresses Growth in PI3K-Mutant Breast Cancer by Activating AMPK and Inhibiting mTORC1 Signaling. Cancer Research, 2017, 77, 790-801.	0.9	96
17	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
18	The molecular basis of breast cancer pathological phenotypes. Journal of Pathology, 2017, 241, 375-391.	4.5	86

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19	The SIRT2 Deacetylase Stabilizes Slug to Control Malignancy of Basal-like Breast Cancer. Cell Reports, 2016, 17, 1302-1317.	6.4	85
20	NFAT1 promotes intratumoral neutrophil infiltration by regulating IL8 expression in breast cancer. Molecular Oncology, 2015, 9, 1140-1154.	4.6	59
21	Antibody Therapy Targeting CD47 and CD271 Effectively Suppresses Melanoma Metastasis in Patient-Derived Xenografts. Cell Reports, 2016, 16, 1701-1716.	6.4	56
22	SPOP Promotes Nanog Destruction to Suppress Stem Cell Traits and Prostate Cancer Progression. Developmental Cell, 2019, 48, 329-344.e5.	7.0	53
23	LINC00520 is induced by Src, STAT3, and PI3K and plays a functional role in breast cancer. Oncotarget, 2016, 7, 81981-81994.	1.8	48
24	EN1 Is a Transcriptional Dependency in Triple-Negative Breast Cancer Associated with Brain Metastasis. Cancer Research, 2019, 79, 4173-4183.	0.9	47
25	TNF-Î± 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
26	MERIT40 Is an Akt Substrate that Promotes Resolution of DNA Damage Induced by Chemotherapy. Cell Reports, 2015, 11, 1358-1366.	6.4	40
27	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
28	Crowdsourcing scoring of immunohistochemistry images: Evaluating Performance of the Crowd and an Automated Computational Method. Scientific Reports, 2017, 7, 43286.	3.3	31
29	Noninvasive Imaging of Tumor Burden and Molecular Pathways in Mouse Models of Cancer. Cold Spring Harbor Protocols, 2015, 2015, pdb.top069930.	0.3	28
30	Deep learning-based assessment of tumor-associated stroma for diagnosing breast cancer in histopathology images. , 2017, 2017, 929-932.		27
31	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
32	A Machine Learning Approach to Liver Histological Evaluation Predicts Clinically Significant Portal Hypertension in NASH Cirrhosis. Hepatology, 2021, 74, 3146-3160.	7.3	25
33	Alcohol consumption and breast tumor gene expression. Breast Cancer Research, 2017, 19, 108.	5.0	23
34	Safikhani et al. reply. Nature, 2016, 540, E2-E4.	27.8	22
35	Deep learning assessment of tumor proliferation in breast cancer histological images. , 2017, , .		21
36	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

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37	Region of interest identification and diagnostic agreement in breast pathology. Modern Pathology, 2016, 29, 1004-1011.	5.5	17
38	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
39	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
40	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
41	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
42	Safikhani et al. reply. Nature, 2016, 540, E11-E12.	27.8	11
43	Safikhani et al. reply. Nature, 2016, 540, E6-E8.	27.8	10
44	Progress in Medicine: Experts Take Stock. PLoS Medicine, 2015, 12, e1001933.	8.4	2
45	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
46	Application of Imageâ€Guided Coring as a new technique for targeting breast tumor tissue in molecular pathology. FASEB Journal, 2013, 27, lb460.	0.5	0
47	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