

Beatrice S Knudsen

List of Publications by Year in descending order

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Version: 2024-02-01

76
papers

10,955
citations

109264

35
h-index

79644

73
g-index

84
all docs

84
docs citations

84
times ranked

18719
citing authors

#	ARTICLE	IF	CITATIONS
1	Circulating microRNAs as stable blood-based markers for cancer detection. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 10513-10518.	3.3	7,047
2	Repertoire of microRNAs in Epithelial Ovarian Cancer as Determined by Next Generation Sequencing of Small RNA cDNA Libraries. PLoS ONE, 2009, 4, e5311.	1.1	223
3	Spectral Analysis of Multiplex Raman Probe Signatures. ACS Nano, 2008, 2, 2306-2314.	7.3	191
4	A precision oncology approach to the pharmacological targeting of mechanistic dependencies in neuroendocrine tumors. Nature Genetics, 2018, 50, 979-989.	9.4	168
5	Proliferation and invasion: Plasticity in tumor cells. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 10528-10533.	3.3	163
6	High expression of the Met receptor in prostate cancer metastasis to bone. Urology, 2002, 60, 1113-1117.	0.5	157
7	Integrated Classification of Prostate Cancer Reveals a Novel Luminal Subtype with Poor Outcome. Cancer Research, 2016, 76, 4948-4958.	0.4	147
8	Convolutional neural networks can accurately distinguish four histologic growth patterns of lung adenocarcinoma in digital slides. Scientific Reports, 2019, 9, 1483.	1.6	135
9	Metastatic Progression of Prostate Cancer and E-Cadherin. American Journal of Pathology, 2011, 179, 400-410.	1.9	133
10	Showering c-MET-dependent cancers with drugs. Current Opinion in Genetics and Development, 2008, 18, 87-96.	1.5	131
11	A Working Group Classification of Focal Prostate Atrophy Lesions. American Journal of Surgical Pathology, 2006, 30, 1281-1291.	2.1	123
12	Physiological signals and oncogenesis mediated through Crk family adapter proteins. , 1998, 177, 535-552.		121
13	BCL-2 AND P53 EXPRESSION IN CLINICALLY LOCALIZED PROSTATE CANCER PREDICTS RESPONSE TO EXTERNAL BEAM RADIOTHERAPY. Journal of Urology, 1999, 162, 12-17.	0.2	115
14	ONECUT2 is a targetable master regulator of lethal prostate cancer that suppresses the androgen axis. Nature Medicine, 2018, 24, 1887-1898.	15.2	113
15	Normal and Malignant Prostate Epithelial Cells Differ in Their Response to Hepatocyte Growth Factor/Scatter Factor. American Journal of Pathology, 2001, 159, 579-590.	1.9	86
16	The SH3 Domain of Crk Binds Specifically to a Conserved Proline-rich Motif in Eps15 and Eps15R. Journal of Biological Chemistry, 1995, 270, 15341-15347.	1.6	85
17	Machine learning approaches to analyze histological images of tissues from radical prostatectomies. Computerized Medical Imaging and Graphics, 2015, 46, 197-208.	3.5	85
18	DNA Methylation Profiles of Ovarian Epithelial Carcinoma Tumors and Cell Lines. PLoS ONE, 2010, 5, e9359.	1.1	80

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19	Path R-CNN for Prostate Cancer Diagnosis and Gleason Grading of Histological Images. IEEE Transactions on Medical Imaging, 2019, 38, 945-954.	5.4	80
20	Development of highly selective SH3 binding peptides for Crk and CRKL which disrupt Crk-complexes with DOCK180, SoS and C3G. Oncogene, 1998, 16, 1903-1912.	2.6	78
21	Prostate Cancer and the Met Hepatocyte Growth Factor Receptor. Advances in Cancer Research, 2004, 91, 31-67.	1.9	76
22	Inhibition of Integrin-mediated Crosstalk with Epidermal Growth Factor Receptor/Erk or Src Signaling Pathways in Autophagic Prostate Epithelial Cells Induces Caspase-independent Death. Molecular Biology of the Cell, 2007, 18, 2481-2490.	0.9	71
23	Docetaxel-induced polyploidization may underlie chemoresistance and disease relapse. Cancer Letters, 2015, 367, 89-92.	3.2	59
24	Mechanisms of Prostate Cancer Initiation and Progression. Advances in Cancer Research, 2010, 109, 1-50.	1.9	54
25	Emerin Deregulation Links Nuclear Shape Instability to Metastatic Potential. Cancer Research, 2018, 78, 6086-6097.	0.4	49
26	Regulation of microtubule dynamics by DIAPH3 influences amoeboid tumor cell mechanics and sensitivity to taxanes. Scientific Reports, 2015, 5, 12136.	1.6	48
27	Hypoxia after transarterial chemoembolization may trigger a progenitor cell phenotype in hepatocellular carcinoma. Histopathology, 2015, 67, 442-450.	1.6	46
28	Application of a Clinical Whole-Transcriptome Assay for Staging and Prognosis of Prostate Cancer Diagnosed in Needle Core Biopsy Specimens. Journal of Molecular Diagnostics, 2016, 18, 395-406.	1.2	46
29	An EM-based semi-supervised deep learning approach for semantic segmentation of histopathological images from radical prostatectomies. Computerized Medical Imaging and Graphics, 2018, 69, 125-133.	3.5	46
30	E-cadherin-mediated survival of androgen-receptor-expressing secretory prostate epithelial cells derived from a stratified in vitro differentiation model. Journal of Cell Science, 2010, 123, 266-276.	1.2	45
31	Evaluation of the Branched-Chain DNA Assay for Measurement of RNA in Formalin-Fixed Tissues. Journal of Molecular Diagnostics, 2008, 10, 169-176.	1.2	44
32	High-throughput sequencing of two populations of extracellular vesicles provides an mRNA signature that can be detected in the circulation of breast cancer patients. RNA Biology, 2017, 14, 305-316.	1.5	43
33	Syndecan-1 expression in locally invasive and metastatic prostate cancer. Urology, 2004, 63, 402-407.	0.5	42
34	Differential Gene Expression in Benign Prostate Epithelium of Men with and without Prostate Cancer: Evidence for a Prostate Cancer Field Effect. Clinical Cancer Research, 2010, 16, 5414-5423.	3.2	42
35	The impact of cell adhesion changes on proliferation and survival during prostate cancer development and progression. Journal of Cellular Biochemistry, 2006, 99, 345-361.	1.2	38
36	A Novel Multipurpose Monoclonal Antibody for Evaluating Human c-Met Expression in Preclinical and Clinical Settings. Applied Immunohistochemistry and Molecular Morphology, 2009, 17, 57-67.	0.6	38

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37	Deep learning-based image analysis methods for brightfield-acquired multiplex immunohistochemistry images. <i>Diagnostic Pathology</i> , 2020, 15, 100.	0.9	35
38	Keratin 13 Is Enriched in Prostate Tubule-Initiating Cells and May Identify Primary Prostate Tumors that Metastasize to the Bone. <i>PLoS ONE</i> , 2016, 11, e0163232.	1.1	35
39	Tumour cell survival mechanisms in lethal metastatic prostate cancer differ between bone and soft tissue metastases. <i>Journal of Pathology</i> , 2013, 230, 291-297.	2.1	34
40	Effects of tissue decalcification on the quantification of breast cancer biomarkers by digital image analysis. <i>Diagnostic Pathology</i> , 2014, 9, 213.	0.9	33
41	Spatial Mapping of Myeloid Cells and Macrophages by Multiplexed Tissue Staining. <i>Frontiers in Immunology</i> , 2018, 9, 2925.	2.2	32
42	The Cohesive Metastasis Phenotype in Human Prostate Cancer. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2016, 1866, 221-231.	3.3	28
43	A novel machine learning approach reveals latent vascular phenotypes predictive of renal cancer outcome. <i>Scientific Reports</i> , 2017, 7, 13190.	1.6	28
44	A Non-integrating Lentiviral Approach Overcomes Cas9-Induced Immune Rejection to Establish an Immunocompetent Metastatic Renal Cancer Model. <i>Molecular Therapy - Methods and Clinical Development</i> , 2018, 9, 203-210.	1.8	27
45	Regulation of migration of primary prostate epithelial cells by secreted factors from prostate stromal cells. <i>Experimental Cell Research</i> , 2003, 288, 246-256.	1.2	26
46	Data integration from pathology slides for quantitative imaging of multiple cell types within the tumor immune cell infiltrate. <i>Diagnostic Pathology</i> , 2017, 12, 69.	0.9	25
47	Rapid 3-D delineation of cell nuclei for high-content screening platforms. <i>Computers in Biology and Medicine</i> , 2016, 69, 328-338.	3.9	24
48	Basal prostate epithelial cells stimulate the migration of prostate cancer cells. <i>Molecular Carcinogenesis</i> , 2004, 41, 85-97.	1.3	23
49	Clonal diversity revealed by morphoproteomic and copy number profiles of single prostate cancer cells at diagnosis. <i>Convergent Science Physical Oncology</i> , 2018, 4, 015003.	2.6	23
50	Centrosome loss results in an unstable genome and malignant prostate tumors. <i>Oncogene</i> , 2020, 39, 399-413.	2.6	21
51	Nuclear Imaging of Met-Expressing Human and Canine Cancer Xenografts with Radiolabeled Monoclonal Antibodies (MetSeek™). <i>Clinical Cancer Research</i> , 2005, 11, 7064s-7069s.	3.2	20
52	A Circulating Tumor Cell-RNA Assay for Assessment of Androgen Receptor Signaling Inhibitor Sensitivity in Metastatic Castration-Resistant Prostate Cancer. <i>Theranostics</i> , 2019, 9, 2812-2826.	4.6	20
53	Characterization of Laminin Binding Integrin Internalization in Prostate Cancer Cells. <i>Journal of Cellular Biochemistry</i> , 2017, 118, 1038-1049.	1.2	19
54	Receptor-interacting protein kinase 2 (RIPK2) stabilizes c-Myc and is a therapeutic target in prostate cancer metastasis. <i>Nature Communications</i> , 2022, 13, 669.	5.8	19

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55	Regulation of global gene expression in the bone marrow microenvironment by androgen: Androgen ablation increases insulin-like growth factor binding protein-5 expression. <i>Prostate</i> , 2007, 67, 1621-1629.	1.2	18
56	A basal cell defect promotes budding of prostatic intraepithelial neoplasia. <i>Journal of Cell Science</i> , 2016, 130, 104-110.	1.2	17
57	Regulation of inside-out β 1-integrin activation by CDCP1. <i>Oncogene</i> , 2018, 37, 2817-2836.	2.6	17
58	Quantitative imaging for development of companion diagnostics to drugs targeting HGF/MET. <i>Journal of Pathology: Clinical Research</i> , 2016, 2, 210-222.	1.3	16
59	Impact of treatment on progression to castration-resistance, metastases, and death in men with localized high-grade prostate cancer. <i>Cancer Medicine</i> , 2017, 6, 163-172.	1.3	16
60	A Multi-scale U-Net for Semantic Segmentation of Histological Images from Radical Prostatectomies. <i>AMIA ... Annual Symposium proceedings</i> , 2017, 2017, 1140-1148.	0.2	16
61	Neoadjuvant dasatinib for muscle-invasive bladder cancer with tissue analysis of biologic activity. <i>Urologic Oncology: Seminars and Original Investigations</i> , 2016, 34, 4.e11-4.e17.	0.8	14
62	Novel Regulation of Integrin Trafficking by Rab11-FIP5 in Aggressive Prostate Cancer. <i>Molecular Cancer Research</i> , 2018, 16, 1319-1331.	1.5	13
63	Chromosomal instability in untreated primary prostate cancer as an indicator of metastatic potential. <i>BMC Cancer</i> , 2020, 20, 398.	1.1	13
64	Regulation of Hepatocyte Activator Inhibitor-1 Expression by Androgen and Oncogenic Transformation in the Prostate. <i>American Journal of Pathology</i> , 2005, 167, 255-266.	1.9	12
65	A method of quantifying centrosomes at the single-cell level in human normal and cancer tissue. <i>Molecular Biology of the Cell</i> , 2019, 30, 811-819.	0.9	12
66	Phase 1 Trial of Stereotactic Body Radiation Therapy Neoadjuvant to Radical Prostatectomy for Patients With High-Risk Prostate Cancer. <i>International Journal of Radiation Oncology Biology Physics</i> , 2020, 108, 930-935.	0.4	12
67	The intraprostatic immune environment after stereotactic body radiotherapy is dominated by myeloid cells. <i>Prostate Cancer and Prostatic Diseases</i> , 2021, 24, 135-139.	2.0	11
68	Statistical methods for tissue array images—algorithmic scoring and co-training. <i>Annals of Applied Statistics</i> , 2012, 6, 1280-1305.	0.5	10
69	Integrin β 4 variant is associated with actin and CD9 structures and modifies the biophysical properties of cell-cell and cell-extracellular matrix interactions. <i>Molecular Biology of the Cell</i> , 2019, 30, 838-850.	0.9	8
70	Significant changes in macrophage and CD8 T cell densities in primary prostate tumors 2 weeks after SBRT. <i>Prostate Cancer and Prostatic Diseases</i> , 2023, 26, 207-209.	2.0	8
71	Regulation of cell proliferation in a stratified culture system of epithelial cells from prostate tissue. <i>Cell and Tissue Research</i> , 2006, 325, 263-276.	1.5	7
72	Effect of Preanalytic Variables on an Automated PTEN Immunohistochemistry Assay for Prostate Cancer. <i>Archives of Pathology and Laboratory Medicine</i> , 2019, 143, 338-348.	1.2	7

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73	Computerized delineation of nuclei in liquid-based pap smears stained with immunohistochemical biomarkers. , 2014, , n/a-n/a.		2
74	Computerized delineation of nuclei in liquid-based Pap smears stained with immunohistochemical biomarkers. , 2015, 88, 110-119.		2
75	Mutant POLQ and POLZ/REV3L DNA polymerases may contribute to the favorable survival of patients with tumors with POLE mutations outside the exonuclease domain. BMC Medical Genetics, 2020, 21, 167.	2.1	2
76	The Movember Global Action Plan 1 (GAP1): Unique Prostate Cancer Tissue Microarray Resource. Cancer Epidemiology Biomarkers and Prevention, 2022, 31, 715-727.	1.1	0