

Michael D Feldman

List of Publications by Citations

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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.

107 papers	7,097 citations	36 h-index	83 g-index
111 ext. papers	8,743 ext. citations	8.5 avg, IF	5.37 L-index

#	Paper	IF	Citations
107	Radiation and dual checkpoint blockade activate non-redundant immune mechanisms in cancer. <i>Nature</i> , 2015 , 520, 373-7	50.4	1509
106	Tumor Interferon Signaling Regulates a Multigenic Resistance Program to Immune Checkpoint Blockade. <i>Cell</i> , 2016 , 167, 1540-1554.e12	56.2	538
105	Tumor endothelium FasL establishes a selective immune barrier promoting tolerance in tumors. <i>Nature Medicine</i> , 2014 , 20, 607-15	50.5	524
104	A Protein-Truncating HSD17B13 Variant and Protection from Chronic Liver Disease. <i>New England Journal of Medicine</i> , 2018 , 378, 1096-1106	59.2	350
103	Akt-dependent metabolic reprogramming regulates tumor cell histone acetylation. <i>Cell Metabolism</i> , 2014 , 20, 306-319	24.6	340
102	Engineered CAR T Cells Targeting the Cancer-Associated Tn-Glycoform of the Membrane Mucin MUC1 Control Adenocarcinoma. <i>Immunity</i> , 2016 , 44, 1444-54	32.3	338
101	Local recurrence in head and neck cancer: relationship to radiation resistance and signal transduction. <i>Clinical Cancer Research</i> , 2002 , 8, 885-92	12.9	218
100	Origin and Role of a Subset of Tumor-Associated Neutrophils with Antigen-Presenting Cell Features in Early-Stage Human Lung Cancer. <i>Cancer Cell</i> , 2016 , 30, 120-135	24.3	200
99	Tumor vessel development and maturation impose limits on the effectiveness of anti-vascular therapy. <i>American Journal of Pathology</i> , 2003 , 162, 183-93	5.8	191
98	Whole Slide Imaging Versus Microscopy for Primary Diagnosis in Surgical Pathology: A Multicenter Blinded Randomized Noninferiority Study of 1992 Cases (Pivotal Study). <i>American Journal of Surgical Pathology</i> , 2018 , 42, 39-52	6.7	189
97	Computerized image-based detection and grading of lymphocytic infiltration in HER2+ breast cancer histopathology. <i>IEEE Transactions on Biomedical Engineering</i> , 2010 , 57, 642-53	5	184
96	Automated detection of prostatic adenocarcinoma from high-resolution ex vivo MRI. <i>IEEE Transactions on Medical Imaging</i> , 2005 , 24, 1611-25	11.7	133
95	Inhibition of tumor endothelial ERK activation, angiogenesis, and tumor growth by sorafenib (BAY43-9006). <i>American Journal of Pathology</i> , 2006 , 169, 1875-85	5.8	128
94	Computerized image analysis for identifying triple-negative breast cancers and differentiating them from other molecular subtypes of breast cancer on dynamic contrast-enhanced MR images: a feasibility study. <i>Radiology</i> , 2014 , 272, 91-9	20.5	107
93	High-throughput detection of prostate cancer in histological sections using probabilistic pairwise Markov models. <i>Medical Image Analysis</i> , 2010 , 14, 617-29	15.4	99
92	Multiplexed In Situ Imaging Mass Cytometry Analysis of the Human Endocrine Pancreas and Immune System in Type 1 Diabetes. <i>Cell Metabolism</i> , 2019 , 29, 769-783.e4	24.6	96
91	Activated STAT3 is a mediator and biomarker of VEGF endothelial activation. <i>Cancer Biology and Therapy</i> , 2008 , 7, 1994-2003	4.6	95

90	Randomized Phase II Trial of Nivolumab Versus Nivolumab and Ipilimumab for Recurrent or Persistent Ovarian Cancer: An NRG Oncology Study. <i>Journal of Clinical Oncology</i> , 2020 , 38, 1814-1823	2.2	92
89	Distinct Microbial Signatures Associated With Different Breast Cancer Types. <i>Frontiers in Microbiology</i> , 2018 , 9, 951	5.7	78
88	A comparison of monopolar electrosurgery to a new multipolar electrosurgical system in a rat model. <i>Laryngoscope</i> , 2001 , 111, 213-7	3.6	75
87	The ovarian cancer oncobiome. <i>Oncotarget</i> , 2017 , 8, 36225-36245	3.3	69
86	Radiographic and histologic analysis of the bone underlying inverted papillomas. <i>Laryngoscope</i> , 2006 , 116, 1617-20	3.6	69
85	Generation of Potent T-cell Immunotherapy for Cancer Using DAP12-Based, Multichain, Chimeric Immunoreceptors. <i>Cancer Immunology Research</i> , 2015 , 3, 815-26	12.5	65
84	Cascaded discrimination of normal, abnormal, and confounder classes in histopathology: Gleason grading of prostate cancer. <i>BMC Bioinformatics</i> , 2012 , 13, 282	3.6	65
83	A deep-learning classifier identifies patients with clinical heart failure using whole-slide images of H&E tissue. <i>PLoS ONE</i> , 2018 , 13, e0192726	3.7	63
82	The antivascular action of physiotherapy ultrasound on murine tumors. <i>Ultrasound in Medicine and Biology</i> , 2005 , 31, 1403-10	3.5	57
81	Systematic evaluation of multiple immune markers reveals prognostic factors in ovarian cancer. <i>Gynecologic Oncology</i> , 2016 , 143, 120-127	4.9	50
80	Progressive loss of anti-HER2 CD4 T-helper type 1 response in breast tumorigenesis and the potential for immune restoration. <i>Oncoimmunology</i> , 2015 , 4, e1022301	7.2	49
79	Determining histology-MRI slice correspondences for defining MRI-based disease signatures of prostate cancer. <i>Computerized Medical Imaging and Graphics</i> , 2011 , 35, 568-78	7.6	47
78	Evaluating stability of histomorphometric features across scanner and staining variations: prostate cancer diagnosis from whole slide images. <i>Journal of Medical Imaging</i> , 2016 , 3, 047502	2.6	44
77	Downregulation of Rap1GAP contributes to Ras transformation. <i>Molecular and Cellular Biology</i> , 2007 , 27, 6647-58	4.8	43
76	The Ovarian Cancer Chemokine Landscape Is Conducive to Homing of Vaccine-Primed and CD3/CD28-Costimulated T Cells Prepared for Adoptive Therapy. <i>Clinical Cancer Research</i> , 2015 , 21, 2840-50	12.9	42
75	Downregulation of Rap1GAP in human tumor cells alters cell/matrix and cell/cell adhesion. <i>Molecular and Cellular Biology</i> , 2010 , 30, 3262-74	4.8	42
74	Co-occurring gland angularity in localized subgraphs: predicting biochemical recurrence in intermediate-risk prostate cancer patients. <i>PLoS ONE</i> , 2014 , 9, e97954	3.7	40
73	Microbial Lineages in Sarcoidosis. A Metagenomic Analysis Tailored for Low-Microbial Content Samples. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2018 , 197, 225-234	10.2	39

72	Microbiome signatures in prostate cancer. <i>Carcinogenesis</i> , 2019 , 40, 749-764	4.6	37
71	Computer-extracted Features Can Distinguish Noncancerous Confounding Disease from Prostatic Adenocarcinoma at Multiparametric MR Imaging. <i>Radiology</i> , 2016 , 278, 135-45	20.5	36
70	Loss of Rap1GAP in papillary thyroid cancer. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2009 , 94, 1026-32	5.6	36
69	Signaling pathways in NSCLC as a predictor of outcome and response to therapy. <i>Lung</i> , 2004 , 182, 151-62.	6.9	35
68	Olfactory Neuroblastoma: Fate of the Neck--A Long-term Multicenter Retrospective Study. <i>Otolaryngology - Head and Neck Surgery</i> , 2016 , 154, 383-9	5.5	34
67	Microbial Signatures Associated with Oropharyngeal and Oral Squamous Cell Carcinomas. <i>Scientific Reports</i> , 2017 , 7, 4036	4.9	33
66	Beyond morphology: whole slide imaging, computer-aided detection, and other techniques. <i>Archives of Pathology and Laboratory Medicine</i> , 2008 , 132, 758-63	5	31
65	Optically measured microvascular blood flow contrast of malignant breast tumors. <i>PLoS ONE</i> , 2014 , 9, e99683	3.7	30
64	In situ hybridization for specific fungal organisms in acute invasive fungal rhinosinusitis. <i>American Journal of Clinical Pathology</i> , 2011 , 135, 190-9	1.9	29
63	COX-2 mediates pro-tumorigenic effects of PKC η in prostate cancer. <i>Oncogene</i> , 2018 , 37, 4735-4749	9.2	28
62	Supervised regularized canonical correlation analysis: integrating histologic and proteomic measurements for predicting biochemical recurrence following prostate surgery. <i>BMC Bioinformatics</i> , 2011 , 12, 483	3.6	26
61	Optical malignancy parameters for monitoring progression of breast cancer neoadjuvant chemotherapy. <i>Biomedical Optics Express</i> , 2013 , 4, 105-21	3.5	23
60	Interleukin-12 inhibits angiogenesis and growth of transplanted but not in situ mouse mammary tumor virus-induced mammary carcinomas. <i>Cancer Research</i> , 2002 , 62, 747-55	10.1	23
59	Computer aided automatic detection of malignant lesions in diffuse optical mammography. <i>Medical Physics</i> , 2010 , 37, 1840-9	4.4	22
58	An active learning approach for rapid characterization of endothelial cells in human tumors. <i>PLoS ONE</i> , 2014 , 9, e90495	3.7	19
57	Stable and discriminating radiomic predictor of recurrence in early stage non-small cell lung cancer: Multi-site study. <i>Lung Cancer</i> , 2020 , 142, 90-97	5.9	18
56	Tissue-based immune monitoring II: multiple tumor sites reveal immunologic homogeneity in serous ovarian carcinoma. <i>Cancer Biology and Therapy</i> , 2011 , 12, 367-77	4.6	17
55	A knowledge representation framework for integration, classification of multi-scale imaging and non-imaging data: Preliminary results in predicting prostate cancer recurrence by fusing mass spectrometry and histology 2009 ,		16

54	Residual cancer burden after neoadjuvant chemotherapy and long-term survival outcomes in breast cancer: a multicentre pooled analysis of 5161 patients.. <i>Lancet Oncology, The</i> , 2021 ,	21.7	16
53	Histostitcher—An informatics software platform for reconstructing whole-mount prostate histology using the extensible imaging platform framework. <i>Journal of Pathology Informatics</i> , 2014 , 5, 8	4.4	15
52	Breast Cancer F-ISO-1 Uptake as a Marker of Proliferation Status. <i>Journal of Nuclear Medicine</i> , 2020 , 61, 665-670	8.9	15
51	High-risk oncogenic HPV genotype infection associates with increased immune activation and T cell exhaustion in ART-suppressed HIV-1-infected women. <i>OncImmunology</i> , 2016 , 5, e1128612	7.2	13
50	Macroscopic optical physiological parameters correlate with microscopic proliferation and vessel area breast cancer signatures. <i>Breast Cancer Research</i> , 2015 , 17, 72	8.3	13
49	Spatially weighted mutual information (SWMI) for registration of digitally reconstructed ex vivo whole mount histology and in vivo prostate MRI. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2014 , 2014, 6218-72	0.9	13
48	An automated computational image analysis pipeline for histological grading of cardiac allograft rejection. <i>European Heart Journal</i> , 2021 , 42, 2356-2369	9.5	13
47	Ras-related protein 1 and the insulin-like growth factor type I receptor are associated with risk of progression in patients diagnosed with carcinoma in situ. <i>Breast Cancer Research and Treatment</i> , 2011 , 129, 361-72	4.4	11
46	Rapid In-situ hybridization for dematiaceous fungi using a broad-spectrum oligonucleotide DNA probe. <i>Diagnostic Molecular Pathology</i> , 2011 , 20, 180-3		11
45	Deep-learning approaches for Gleason grading of prostate biopsies. <i>Lancet Oncology, The</i> , 2020 , 21, 187-189	11.7	11
44	Virome capture sequencing does not identify active viral infection in unicentric and idiopathic multicentric Castleman disease. <i>PLoS ONE</i> , 2019 , 14, e0218660	3.7	10
43	Quantitative identification of magnetic resonance imaging features of prostate cancer response following laser ablation and radical prostatectomy. <i>Journal of Medical Imaging</i> , 2014 , 1, 035001	2.6	10
42	A phase I trial of palbociclib and paclitaxel in metastatic breast cancer.. <i>Journal of Clinical Oncology</i> , 2014 , 32, 527-527	2.2	10
41	In Situ Immune Profiling of Heart Transplant Biopsies Improves Diagnostic Accuracy and Rejection Risk Stratification. <i>JACC Basic To Translational Science</i> , 2020 , 5, 328-340	8.7	9
40	Integration of Architectural and Cytologic Driven Image Algorithms for Prostate Adenocarcinoma Identification. <i>Analytical Cellular Pathology</i> , 2012 , 35, 251-265	3.4	9
39	A quantitative exploration of efficacy of gland morphology in prostate cancer grading 2007 ,		9
38	Factors influencing malignant mesothelioma survival: a retrospective review of the National Mesothelioma Virtual Bank cohort. <i>F1000Research</i> , 2018 , 7, 1184	3.6	9
37	Image microarrays (IMA): Digital pathology's missing tool. <i>Journal of Pathology Informatics</i> , 2011 , 2, 47	4.4	9

36	pAKT Expression and Response to Sorafenib in Differentiated Thyroid Cancer. <i>Hormones and Cancer</i> , 2016 , 7, 188-95	5	8
35	Identification of fungal pathogens in a patient with acute myelogenous leukemia using a pathogen detection array technology. <i>Cancer Biology and Therapy</i> , 2016 , 17, 339-45	4.6	8
34	Validation of a Gene Expression Test for Mesothelioma Prognosis in Formalin-Fixed Paraffin-Embedded Tissues. <i>Journal of Molecular Diagnostics</i> , 2017 , 19, 65-71	5.1	8
33	Comparative Analysis of Emerging B.1.1.7+E484K SARS-CoV-2 Isolates. <i>Open Forum Infectious Diseases</i> , 2021 , 8, ofab300	1	8
32	Sinonasal Undifferentiated Carcinoma: A 15-Year Single Institution Experience. <i>Journal of Neurological Surgery, Part B: Skull Base</i> , 2019 , 80, 88-95	1.5	7
31	Clinical Implications of Carcinoma In Situ in Sinonasal Inverted Papilloma. <i>Otolaryngology - Head and Neck Surgery</i> , 2019 , 161, 1036-1042	5.5	6
30	Phase II pharmacodynamic trial of palbociclib in patients with KRAS mutant colorectal cancer.. <i>Journal of Clinical Oncology</i> , 2015 , 33, 626-626	2.2	6
29	Image-based risk score to predict recurrence of ER+ breast cancer in ECOG-ACRIN Cancer Research Group E2197.. <i>Journal of Clinical Oncology</i> , 2018 , 36, 540-540	2.2	6
28	Assessment of Residual Cancer Burden and Event-Free Survival in Neoadjuvant Treatment for High-risk Breast Cancer: An Analysis of Data From the I-SPY2 Randomized Clinical Trial. <i>JAMA Oncology</i> , 2021 , 7, 1654-1663	13.4	6
27	High-Throughput Prostate Cancer Gland Detection, Segmentation, and Classification from Digitized Needle Core Biopsies. <i>Lecture Notes in Computer Science</i> , 2010 , 77-88	0.9	5
26	Adoptive T cell immunotherapy for medullary thyroid carcinoma targeting GDNF family receptor alpha 4. <i>Molecular Therapy - Oncolytics</i> , 2021 , 20, 387-398	6.4	5
25	Comparative Analysis of Emerging B.1.1.7+E484K SARS-CoV-2 isolates from Pennsylvania 2021 ,		5
24	Prognostic correlations with the microbiome of breast cancer subtypes. <i>Cell Death and Disease</i> , 2021 , 12, 831	9.8	5
23	Evaluation of Scpio Labs X100 Full Field PBS: The first high-resolution full field viewing of peripheral blood specimens combined with artificial intelligence-based morphological analysis. <i>International Journal of Laboratory Hematology</i> , 2021 , 43, 1408-1416	2.5	5
22	Automated gleason grading on prostate biopsy slides by statistical representations of homology profile. <i>Computer Methods and Programs in Biomedicine</i> , 2020 , 194, 105528	6.9	4
21	The virome of HPV-positive tonsil squamous cell carcinoma and neck metastasis. <i>Oncotarget</i> , 2020 , 11, 282-293	3.3	4
20	Highly multiplexed 2-dimensional imaging mass cytometry analysis of HBV-infected liver. <i>JCI Insight</i> , 2021 , 6,	9.9	4
19	Supervised regularized canonical correlation analysis: integrating histologic and proteomic data for predicting biochemical failures. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2011 , 2011, 6434-7	0.9	3

18	An automated COVID-19 triage pipeline using artificial intelligence based on chest radiographs and clinical data.. <i>Npj Digital Medicine</i> , 2022 , 5, 5	15.7	3
17	SARS-CoV-2 Variants Associated with Vaccine Breakthrough in the Delaware Valley through Summer 2021.. <i>MBio</i> , 2022 , e0378821	7.8	3
16	Co-occurring gland tensors in localized cluster graphs: Quantitative histomorphometry for predicting biochemical recurrence for intermediate grade prostate cancer 2013 ,		2
15	Molecular predictors of response to sorafenib in patients with radioactive iodine-resistant advanced thyroid cancer.. <i>Journal of Clinical Oncology</i> , 2014 , 32, 6088-6088	2.2	2
14	Computerized histomorphometric features of glandular architecture predict risk of biochemical recurrence following radical prostatectomy: A multisite study.. <i>Journal of Clinical Oncology</i> , 2019 , 37, 5060-5060	2.2	2
13	Encephalopathy at admission predicts adverse outcomes in patients with SARS-CoV-2 infection. <i>CNS Neuroscience and Therapeutics</i> , 2021 , 27, 1127-1135	6.8	2
12	The microbiome of HPV-positive tonsil squamous cell carcinoma and neck metastasis. <i>Oral Oncology</i> , 2021 , 117, 105305	4.4	2
11	Targeted gene expression profiling of inverted papilloma and squamous cell carcinoma. <i>International Forum of Allergy and Rhinology</i> , 2021 ,	6.3	2
10	Computational staining of unlabelled tissue. <i>Nature Biomedical Engineering</i> , 2019 , 3, 425-426	19	1
9	Adenocarcinoma, Not Otherwise Specified, Arising in Accessory Lacrimal Gland: A Diagnostic Challenge. <i>Ocular Oncology and Pathology</i> , 2018 , 4, 67-72	1.6	1
8	The clinical presentation and outcome of urothelial atypia on biopsy of the bladder. <i>Urologic Oncology: Seminars and Original Investigations</i> , 2014 , 32, 645-7	2.8	1
7	Computer-extracted stromal features of African-Americans versus Caucasians from H&E slides and impact on prognosis of biochemical recurrence.. <i>Journal of Clinical Oncology</i> , 2018 , 36, 12075-12075	2.2	1
6	SARS-CoV-2 variants associated with vaccine breakthrough in the Delaware Valley through summer 2021 2021 ,		1
5	Chronic liver disease not a significant comorbid condition for COVID-19. <i>Scientific Reports</i> , 2021 , 11, 11734	4.9	1
4	Computational Analysis of Routine Biopsies Improves Diagnosis and Prediction of Cardiac Allograft Vasculopathy.. <i>Circulation</i> , 2022 ,	16.7	1
3	Towards Population-Based Histologic Stain Normalization of Glioblastoma. <i>Lecture Notes in Computer Science</i> , 2020 , 11992, 44-56	0.9	
2	Automated Comparison of Pathology Reports for On-the-job Assessment of Residents. <i>AMIA Summits on Translational Science Proceedings</i> , 2019 , 2019, 495-504	1.1	
1	A novel biomarker signature to predict aggressive disease in African-American men with prostate cancer.. <i>Journal of Clinical Oncology</i> , 2015 , 33, 24-24	2.2	

