Michael D Feldman

List of Publications by Year in Descending Order

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	An automated COVID-19 triage pipeline using artificial intelligence based on chest radiographs and clinical data.. *Npj Digital Medicine*, **2022**, 5, 5	15.7	3
106	SARS-CoV-2 Variants Associated with Vaccine Breakthrough in the Delaware Valley through Summer 2021.. *MBio*, **2022**, e0378821	7.8	3
105	Computational Analysis of Routine Biopsies Improves Diagnosis and Prediction of Cardiac Allograft Vasculopathy.. *Circulation*, **2022**,	16.7	1
104	Residual cancer burden after neoadjuvant chemotherapy and long-term survival outcomes in breast cancer: a multicentre pooled analysis of 5161 patients.. *Lancet Oncology, The*, **2021**,	21.7	16
103	SARS-CoV-2 variants associated with vaccine breakthrough in the Delaware Valley through summer 2021 **2021**,		1
102	Adoptive T cell immunotherapy for medullary thyroid carcinoma targeting GDNF family receptor alpha 4. *Molecular Therapy - Oncolytics*, **2021**, 20, 387-398	6.4	5
101	Comparative Analysis of Emerging B.1.1.7+E484K SARS-CoV-2 isolates from Pennsylvania **2021**,		5
100	Highly multiplexed 2-dimensional imaging mass cytometry analysis of HBV-infected liver. *JCI Insight* , **2021**, 6,	9.9	4
99	An automated computational image analysis pipeline for histological grading of cardiac allograft rejection. *European Heart Journal*, **2021**, 42, 2356-2369	9.5	13
98	Encephalopathy at admission predicts adverse outcomes in patients with SARS-CoV-2 infection. *CNS Neuroscience and Therapeutics*, **2021**, 27, 1127-1135	6.8	2
97	Comparative Analysis of Emerging B.1.1.7+E484K SARS-CoV-2 Isolates. *Open Forum Infectious Diseases*, **2021**, 8, ofab300	1	8
96	The microbiome of HPV-positive tonsil squamous cell carcinoma and neck metastasis. *Oral Oncology*, **2021**, 117, 105305	4.4	2
95	Chronic liver disease not a significant comorbid condition for COVID-19. *Scientific Reports*, **2021**, 11, 11734	4.9	1
94	Prognostic correlations with the microbiome of breast cancer subtypes. *Cell Death and Disease*, **2021**, 12, 831	9.8	5
93	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. *JAMA Oncology*, **2021**, 7, 1654-1663	13.4	6
92	Evaluation of Scopio Labs X100 Full Field PBS: The first high-resolution full field viewing of peripheral blood specimens combined with artificial intelligence-based morphological analysis. *International Journal of Laboratory Hematology*, **2021**, 43, 1408-1416	2.5	5
91	Targeted gene expression profiling of inverted papilloma and squamous cell carcinoma. *International Forum of Allergy and Rhinology*, **2021**,	6.3	2

90	Automated gleason grading on prostate biopsy slides by statistical representations of homology profile. *Computer Methods and Programs in Biomedicine*, **2020**, 194, 105528	6.9	4
89	Stable and discriminating radiomic predictor of recurrence in early stage non-small cell lung cancer: Multi-site study. *Lung Cancer*, **2020**, 142, 90-97	5.9	18
88	Randomized Phase II Trial of Nivolumab Versus Nivolumab and Ipilimumab for Recurrent or Persistent Ovarian Cancer: An NRG Oncology Study. *Journal of Clinical Oncology*, **2020**, 38, 1814-1823	2.2	92
87	In Situ Immune Profiling of Heart Transplant Biopsies Improves Diagnostic Accuracy and Rejection Risk Stratification. *JACC Basic To Translational Science*, **2020**, 5, 328-340	8.7	9
86	The virome of HPV-positive tonsil squamous cell carcinoma and neck metastasis. *Oncotarget*, **2020**, 11, 282-293	3.3	4
85	Towards Population-Based Histologic Stain Normalization of Glioblastoma. *Lecture Notes in Computer Science*, **2020**, 11992, 44-56	0.9	
84	Deep-learning approaches for Gleason grading of prostate biopsies. *Lancet Oncology, The*, **2020**, 21, 187-189	21.7	11
83	Breast Cancer F-ISO-1 Uptake as a Marker of Proliferation Status. *Journal of Nuclear Medicine*, **2020**, 61, 665-670	8.9	15
82	Multiplexed In Situ Imaging Mass Cytometry Analysis of the Human Endocrine Pancreas and Immune System in Type 1 Diabetes. *Cell Metabolism*, **2019**, 29, 769-783.e4	24.6	96
81	Computational staining of unlabelled tissue. *Nature Biomedical Engineering*, **2019**, 3, 425-426	19	1
80	Microbiome signatures in prostate cancer. *Carcinogenesis*, **2019**, 40, 749-764	4.6	37
79	Virome capture sequencing does not identify active viral infection in unicentric and idiopathic multicentric Castleman disease. *PLoS ONE*, **2019**, 14, e0218660	3.7	10
78	Clinical Implications of Carcinoma In Situ in Sinonasal Inverted Papilloma. *Otolaryngology - Head and Neck Surgery*, **2019**, 161, 1036-1042	5.5	6
77	Computerized histomorphometric features of glandular architecture predict risk of biochemical recurrence following radical prostatectomy: A multisite study.. *Journal of Clinical Oncology*, **2019**, 37, 5060-5060	2.2	2
76	Automated Comparison of Pathology Reports for On-the-job Assessment of Residents. *AMIA Summits on Translational Science Proceedings*, **2019**, 2019, 495-504	1.1	
75	Sinonasal Undifferentiated Carcinoma: A 15-Year Single Institution Experience. *Journal of Neurological Surgery, Part B: Skull Base*, **2019**, 80, 88-95	1.5	7
74	Adenocarcinoma, Not Otherwise Specified, Arising in Accessory Lacrimal Gland: A Diagnostic Challenge. *Ocular Oncology and Pathology*, **2018**, 4, 67-72	1.6	1
73	A Protein-Truncating HSD17B13 Variant and Protection from Chronic Liver Disease. *New England Journal of Medicine*, **2018**, 378, 1096-1106	59.2	350

72. Whole Slide Imaging Versus Microscopy for Primary Diagnosis in Surgical Pathology: A Multicenter Blinded Randomized Noninferiority Study of 1992 Cases (Pivotal Study). *American Journal of Surgical Pathology*, **2018**, 42, 39-52 — 6.7 — 189

71. Microbial Lineages in Sarcoidosis. A Metagenomic Analysis Tailored for Low-Microbial Content Samples. *American Journal of Respiratory and Critical Care Medicine*, **2018**, 197, 225-234 — 10.2 — 39

70. Distinct Microbial Signatures Associated With Different Breast Cancer Types. *Frontiers in Microbiology*, **2018**, 9, 951 — 5.7 — 78

69. Computer-extracted stromal features of African-Americans versus Caucasians from H&E slides and impact on prognosis of biochemical recurrence.. *Journal of Clinical Oncology*, **2018**, 36, 12075-12075 — 2.2 — 1

68. Image-based risk score to predict recurrence of ER+ breast cancer in ECOG-ACRIN Cancer Research Group E2197.. *Journal of Clinical Oncology*, **2018**, 36, 540-540 — 2.2 — 6

67. Factors influencing malignant mesothelioma survival: a retrospective review of the National Mesothelioma Virtual Bank cohort. *F1000Research*, **2018**, 7, 1184 — 3.6 — 9

66. COX-2 mediates pro-tumorigenic effects of PKCƐin prostate cancer. *Oncogene*, **2018**, 37, 4735-4749 — 9.2 — 28

65. A deep-learning classifier identifies patients with clinical heart failure using whole-slide images of H&E tissue. *PLoS ONE*, **2018**, 13, e0192726 — 3.7 — 63

64. Microbial Signatures Associated with Oropharyngeal and Oral Squamous Cell Carcinomas. *Scientific Reports*, **2017**, 7, 4036 — 4.9 — 33

63. Validation of a Gene Expression Test for Mesothelioma Prognosis in Formalin-Fixed Paraffin-Embedded Tissues. *Journal of Molecular Diagnostics*, **2017**, 19, 65-71 — 5.1 — 8

62. The ovarian cancer oncobiome. *Oncotarget*, **2017**, 8, 36225-36245 — 3.3 — 69

61. Computer-extracted Features Can Distinguish Noncancerous Confounding Disease from Prostatic Adenocarcinoma at Multiparametric MR Imaging. *Radiology*, **2016**, 278, 135-45 — 20.5 — 36

60. Systematic evaluation of multiple immune markers reveals prognostic factors in ovarian cancer. *Gynecologic Oncology*, **2016**, 143, 120-127 — 4.9 — 50

59. Evaluating stability of histomorphometric features across scanner and staining variations: prostate cancer diagnosis from whole slide images. *Journal of Medical Imaging*, **2016**, 3, 047502 — 2.6 — 44

58. Engineered CAR T Cells Targeting the Cancer-Associated Tn-Glycoform of the Membrane Mucin MUC1 Control Adenocarcinoma. *Immunity*, **2016**, 44, 1444-54 — 32.3 — 338

57. High-risk oncogenic HPV genotype infection associates with increased immune activation and T cell exhaustion in ART-suppressed HIV-1-infected women. *OncoImmunology*, **2016**, 5, e1128612 — 7.2 — 13

56. Olfactory Neuroblastoma: Fate of the Neck--A Long-term Multicenter Retrospective Study. *Otolaryngology - Head and Neck Surgery*, **2016**, 154, 383-9 — 5.5 — 34

55. pAKT Expression and Response to Sorafenib in Differentiated Thyroid Cancer. *Hormones and Cancer*, **2016**, 7, 188-95 — 5 — 8

54	Identification of fungal pathogens in a patient with acute myelogenic leukemia using a pathogen detection array technology. *Cancer Biology and Therapy*, **2016**, 17, 339-45	4.6	8
53	Origin and Role of a Subset of Tumor-Associated Neutrophils with Antigen-Presenting Cell Features in Early-Stage Human Lung Cancer. *Cancer Cell*, **2016**, 30, 120-135	24.3	200
52	Tumor Interferon Signaling Regulates a Multigenic Resistance Program to Immune Checkpoint Blockade. *Cell*, **2016**, 167, 1540-1554.e12	56.2	538
51	Radiation and dual checkpoint blockade activate non-redundant immune mechanisms in cancer. *Nature*, **2015**, 520, 373-7	50.4	1509
50	Generation of Potent T-cell Immunotherapy for Cancer Using DAP12-Based, Multichain, Chimeric Immunoreceptors. *Cancer Immunology Research*, **2015**, 3, 815-26	12.5	65
49	The Ovarian Cancer Chemokine Landscape Is Conducive to Homing of Vaccine-Primed and CD3/CD28-Costimulated T Cells Prepared for Adoptive Therapy. *Clinical Cancer Research*, **2015**, 21, 2840-50	12.9	42
48	Progressive loss of anti-HER2 CD4 T-helper type 1 response in breast tumorigenesis and the potential for immune restoration. *OncoImmunology*, **2015**, 4, e1022301	7.2	49
47	Macroscopic optical physiological parameters correlate with microscopic proliferation and vessel area breast cancer signatures. *Breast Cancer Research*, **2015**, 17, 72	8.3	13
46	Phase II pharmacodynamic trial of palbociclib in patients with KRAS mutant colorectal cancer.. *Journal of Clinical Oncology*, **2015**, 33, 626-626	2.2	6
45	A novel biomarker signature to predict aggressive disease in African-American men with prostate cancer.. *Journal of Clinical Oncology*, **2015**, 33, 24-24	2.2	
44	Tumor endothelium FasL establishes a selective immune barrier promoting tolerance in tumors. *Nature Medicine*, **2014**, 20, 607-15	50.5	524
43	Akt-dependent metabolic reprogramming regulates tumor cell histone acetylation. *Cell Metabolism*, **2014**, 20, 306-319	24.6	340
42	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. *Radiology*, **2014**, 272, 91-9	20.5	107
41	Co-occurring gland angularity in localized subgraphs: predicting biochemical recurrence in intermediate-risk prostate cancer patients. *PLoS ONE*, **2014**, 9, e97954	3.7	40
40	Optically measured microvascular blood flow contrast of malignant breast tumors. *PLoS ONE*, **2014**, 9, e99683	3.7	30
39	Quantitative identification of magnetic resonance imaging features of prostate cancer response following laser ablation and radical prostatectomy. *Journal of Medical Imaging*, **2014**, 1, 035001	2.6	10
38	Histostitcher An informatics software platform for reconstructing whole-mount prostate histology using the extensible imaging platform framework. *Journal of Pathology Informatics*, **2014**, 5, 8	4.4	15
37	The clinical presentation and outcome of urothelial atypia on biopsy of the bladder. *Urologic Oncology: Seminars and Original Investigations*, **2014**, 32, 645-7	2.8	1

36	A phase I trial of palbociclib and paclitaxel in metastatic breast cancer.. *Journal of Clinical Oncology*, **2014**, 32, 527-527	2.2	10
35	Molecular predictors of response to sorafenib in patients with radioactive iodine-resistant advanced thyroid cancer.. *Journal of Clinical Oncology*, **2014**, 32, 6088-6088	2.2	2
34	An active learning approach for rapid characterization of endothelial cells in human tumors. *PLoS ONE*, **2014**, 9, e90495	3.7	19
33	Co-occurring gland tensors in localized cluster graphs: Quantitative histomorphometry for predicting biochemical recurrence for intermediate grade prostate cancer **2013**,		2
32	Optical malignancy parameters for monitoring progression of breast cancer neoadjuvant chemotherapy. *Biomedical Optics Express*, **2013**, 4, 105-21	3.5	23
31	Cascaded discrimination of normal, abnormal, and confounder classes in histopathology: Gleason grading of prostate cancer. *BMC Bioinformatics*, **2012**, 13, 282	3.6	65
30	Integration of Architectural and Cytologic Driven Image Algorithms for Prostate Adenocarcinoma Identification. *Analytical Cellular Pathology*, **2012**, 35, 251-265	3.4	9
29	Supervised regularized canonical correlation analysis: integrating histologic and proteomic measurements for predicting biochemical recurrence following prostate surgery. *BMC Bioinformatics*, **2011**, 12, 483	3.6	26
28	Spatially weighted mutual information (SWMI) for registration of digitally reconstructed ex vivo whole mount histology and in vivo prostate MRI. *Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference*, **2011**, 2011, 6269-72	0.9	13
27	Determining histology-MRI slice correspondences for defining MRI-based disease signatures of prostate cancer. *Computerized Medical Imaging and Graphics*, **2011**, 35, 568-78	7.6	47
26	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. *Breast Cancer Research and Treatment*, **2011**, 129, 361-72	4.4	11
25	Supervised regularized canonical correlation analysis: integrating histologic and proteomic data for predicting biochemical failures. *Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference*, **2011**, 2011, 6434-7	0.9	3
24	Rapid In-situ hybridization for dematiaceous fungi using a broad-spectrum oligonucleotide DNA probe. *Diagnostic Molecular Pathology*, **2011**, 20, 180-3		11
23	Tissue-based immune monitoring II: multiple tumor sites reveal immunologic homogeneity in serous ovarian carcinoma. *Cancer Biology and Therapy*, **2011**, 12, 367-77	4.6	17
22	In situ hybridization for specific fungal organisms in acute invasive fungal rhinosinusitis. *American Journal of Clinical Pathology*, **2011**, 135, 190-9	1.9	29
21	Image microarrays (IMA): Digital pathology's missing tool. *Journal of Pathology Informatics*, **2011**, 2, 47	4.4	9
20	Downregulation of Rap1GAP in human tumor cells alters cell/matrix and cell/cell adhesion. *Molecular and Cellular Biology*, **2010**, 30, 3262-74	4.8	42
19	Computer aided automatic detection of malignant lesions in diffuse optical mammography. *Medical Physics*, **2010**, 37, 1840-9	4.4	22

18	Computerized image-based detection and grading of lymphocytic infiltration in HER2+ breast cancer histopathology. *IEEE Transactions on Biomedical Engineering*, **2010**, 57, 642-53	5	184
17	High-throughput detection of prostate cancer in histological sections using probabilistic pairwise Markov models. *Medical Image Analysis*, **2010**, 14, 617-29	15.4	99
16	High-Throughput Prostate Cancer Gland Detection, Segmentation, and Classification from Digitized Needle Core Biopsies. *Lecture Notes in Computer Science*, **2010**, 77-88	0.9	5
15	Loss of Rap1GAP in papillary thyroid cancer. *Journal of Clinical Endocrinology and Metabolism*, **2009**, 94, 1026-32	5.6	36
14	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
13	Activated STAT3 is a mediator and biomarker of VEGF endothelial activation. *Cancer Biology and Therapy*, **2008**, 7, 1994-2003	4.6	95
12	Beyond morphology: whole slide imaging, computer-aided detection, and other techniques. *Archives of Pathology and Laboratory Medicine*, **2008**, 132, 758-63	5	31
11	A quantitative exploration of efficacy of gland morphology in prostate cancer grading **2007**,		9
10	Downregulation of Rap1GAP contributes to Ras transformation. *Molecular and Cellular Biology*, **2007**, 27, 6647-58	4.8	43
9	Inhibition of tumor endothelial ERK activation, angiogenesis, and tumor growth by sorafenib (BAY43-9006). *American Journal of Pathology*, **2006**, 169, 1875-85	5.8	128
8	Radiographic and histologic analysis of the bone underlying inverted papillomas. *Laryngoscope*, **2006**, 116, 1617-20	3.6	69
7	Automated detection of prostatic adenocarcinoma from high-resolution ex vivo MRI. *IEEE Transactions on Medical Imaging*, **2005**, 24, 1611-25	11.7	133
6	The antivascular action of physiotherapy ultrasound on murine tumors. *Ultrasound in Medicine and Biology*, **2005**, 31, 1403-10	3.5	57
5	Signaling pathways in NSCLC as a predictor of outcome and response to therapy. *Lung*, **2004**, 182, 151-62	2.9	35
4	Tumor vessel development and maturation impose limits on the effectiveness of anti-vascular therapy. *American Journal of Pathology*, **2003**, 162, 183-93	5.8	191
3	Interleukin-12 inhibits angiogenesis and growth of transplanted but not in situ mouse mammary tumor virus-induced mammary carcinomas. *Cancer Research*, **2002**, 62, 747-55	10.1	23
2	Local recurrence in head and neck cancer: relationship to radiation resistance and signal transduction. *Clinical Cancer Research*, **2002**, 8, 885-92	12.9	218
1	A comparison of monopolar electrosurgery to a new multipolar electrosurgical system in a rat model. *Laryngoscope*, **2001**, 111, 213-7	3.6	75