Richard E Fan

List of Publications by Year
in descending order

22 papers	753 citations	858243 12 h-index	843174 20 g-index
22 all docs	22 docs citations	22 times ranked	1466 citing authors

#	Article	IF	Citations
1	Selective identification and localization of indolent and aggressive prostate cancers via CorrSigNIA: an MRI-pathology correlation and deep learning framework. Medical Image Analysis, 2022, 75, 102288.	7.0	25
2	Image quality assessment for machine learning tasks using meta-reinforcement learning. Medical Image Analysis, 2022, 78, 102427.	7.0	19
3	Bridging the gap between prostate radiology and pathology through machine learning. Medical Physics, 2022, 49, 5160-5181.	1.6	10
4	ProsRegNet: A deep learning framework for registration of MRI and histopathology images of the prostate. Medical Image Analysis, 2021, 68, 101919.	7.0	46
5	Weakly Supervised Registration ofÂProstate MRI and Histopathology Images. Lecture Notes in Computer Science, 2021, , 98-107.	1.0	7
6	MR method for measuring microscopic histologic soft tissue textures. Magnetic Resonance in Medicine, 2021, 86, 308-319.	1.9	0
7	3D Registration of pre-surgical prostate MRI and histopathology images via super-resolution volume reconstruction. Medical Image Analysis, 2021, 69, 101957.	7.0	26
8	Automated detection of aggressive and indolent prostate cancer on magnetic resonance imaging. Medical Physics, 2021, 48, 2960-2972.	1.6	27
9	The stanford prostate cancer calculator: Development and external validation of online nomograms incorporating PIRADS scores to predict clinically significant prostate cancer. Urologic Oncology: Seminars and Original Investigations, 2021, 39, 831.e19-831.e27.	0.8	11
10	Deep Learning Improves Speed and Accuracy of Prostate Gland Segmentations on Magnetic Resonance Imaging for Targeted Biopsy. Journal of Urology, 2021, 206, 604-612.	0.2	16
11	Utility of PSA Density in Predicting Upgraded Gleason Score in Men on Active Surveillance With Negative MRI. Urology, 2021, 155, 96-100.	0.5	7
12	How Often is the Dynamic Contrast Enhanced Score Needed in PI-RADS Version 2?. Current Problems in Diagnostic Radiology, 2020, 49, 173-176.	0.6	7
13	Registration of presurgical MRI and histopathology images from radical prostatectomy via RAPSODI. Medical Physics, 2020, 47, 4177-4188.	1.6	28
14	Multicenter analysis of clinical and MRI characteristics associated with detecting clinically significant prostate cancer in PI-RADS (v2.0) category 3 lesions. Urologic Oncology: Seminars and Original Investigations, 2020, 38, 637.e9-637.e15.	0.8	17
15	Simultaneous transrectal ultrasound and photoacoustic human prostate imaging. Science Translational Medicine, 2019, 11, .	5.8	87
16	Generalizable Multi-Site Training and Testing Of Deep Neural Networks Using Image Normalization. , 2019, 2019, 348-351.		37
17	Applying the PRECISION approach in biopsy naÃ¯ve and previously negative prostate biopsy patients. Urologic Oncology: Seminars and Original Investigations, 2019, 37, 530.e19-530.e24.	0.8	4
18	Teaching Urologists â€œHow to Read Multi-Parametric Prostate MRIs Using PIRADSv2â€: Results of an iBook Pilot Study. Urology, 2019, 131, 40-45.	0.5	8

#	Article	IF	Citations
19	Prostate Magnetic Resonance Imaging Interpretation Varies Substantially Across Radiologists. European Urology Focus, 2019, 5, 592-599.	1.6	179
20	The impact of computed high b-value images on the diagnostic accuracy of DWI for prostate cancer: A receiver operating characteristics analysis. Scientific Reports, 2018, 8, 3409.	1.6	13
21	Performance of multiparametric MRI appears better when measured in patients who undergo radical prostatectomy. Research and Reports in Urology, 2018, Volume 10, 233-235.	0.6	5
22	Diagnosis of prostate cancer by desorption electrospray ionization mass spectrometric imaging of small metabolites and lipids. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 3334-3339.	3.3	174