

Dean C Barratt

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8577641/publications.pdf>

Version: 2024-02-01

45
papers

2,447
citations

394421

19
h-index

315739

38
g-index

46
all docs

46
docs citations

46
times ranked

3540
citing authors

#	ARTICLE	IF	CITATIONS
1	Voice-Assisted Image Labeling for Endoscopic Ultrasound Classification Using Neural Networks. IEEE Transactions on Medical Imaging, 2022, 41, 1311-1319.	8.9	9
2	Image quality assessment for machine learning tasks using meta-reinforcement learning. Medical Image Analysis, 2022, 78, 102427.	11.6	19
3	Imaging features for the prediction of clinical endpoints in chronic liver disease: a scoping review protocol. BMJ Open, 2022, 12, e053204.	1.9	0
4	Cross-Modality Image Registration Using a Training-Time Privileged Third Modality. IEEE Transactions on Medical Imaging, 2022, 41, 3421-3431.	8.9	0
5	False Positive Multiparametric Magnetic Resonance Imaging Phenotypes in the Biopsy-naïve Prostate: Are They Distinct from Significant Cancer-associated Lesions? Lessons from PROMIS. European Urology, 2021, 79, 20-29.	1.9	13
6	Adaptable Image Quality Assessment Using Meta-Reinforcement Learning of Task Amenability. Lecture Notes in Computer Science, 2021, , 191-201.	1.3	4
7	Prostate Radiofrequency Focal Ablation (ProRAFT) Trial: A Prospective Development Study Evaluating a Bipolar Radiofrequency Device to Treat Prostate Cancer. Journal of Urology, 2021, 205, 1090-1099.	0.4	12
8	Morphological Change Forecasting For Prostate Glands Using Feature-Based Registration And Kernel Density Extrapolation. , 2021, , .		1
9	Mapping PSA density to outcome of MRI-based active surveillance for prostate cancer through joint longitudinal-survival models. Prostate Cancer and Prostatic Diseases, 2021, 24, 1028-1031.	3.9	10
10	Real-time multimodal image registration with partial intraoperative point-set data. Medical Image Analysis, 2021, 74, 102231.	11.6	14
11	Assisted Probe Positioning for Ultrasound Guided Radiotherapy Using Image Sequence Classification. Lecture Notes in Computer Science, 2020, , 544-552.	1.3	5
12	DeepReg: a deep learning toolkit for medical image registration. Journal of Open Source Software, 2020, 5, 2705.	4.6	19
13	Longitudinal Image Registration with Temporal-Order and Subject-Specificity Discrimination. Lecture Notes in Computer Science, 2020, , 243-252.	1.3	5
14	Automatic segmentation of prostate MRI using convolutional neural networks: Investigating the impact of network architecture on the accuracy of volume measurement and MRI-ultrasound registration. Medical Image Analysis, 2019, 58, 101558.	11.6	45
15	The SmartTarget Biopsy Trial: A Prospective, Within-person Randomised, Blinded Trial Comparing the Accuracy of Visual-registration and Magnetic Resonance Imaging/Ultrasound Image-fusion Targeted Biopsies for Prostate Cancer Risk Stratification. European Urology, 2019, 75, 733-740.	1.9	67
16	Conditional Segmentation in Lieu of Image Registration. Lecture Notes in Computer Science, 2019, , 401-409.	1.3	8
17	Technical Note: Error metrics for estimating the accuracy of needle/instrument placement during transperineal magnetic resonance/ultrasound-guided prostate interventions. Medical Physics, 2018, 45, 1408-1414.	3.0	7
18	NiftyNet: a deep-learning platform for medical imaging. Computer Methods and Programs in Biomedicine, 2018, 158, 113-122.	4.7	407

#	ARTICLE	IF	CITATIONS
19	Automatic Multi-Organ Segmentation on Abdominal CT With Dense V-Networks. IEEE Transactions on Medical Imaging, 2018, 37, 1822-1834.	8.9	436
20	Determination of optimal ultrasound planes for the initialisation of image registration during endoscopic ultrasound-guided procedures. International Journal of Computer Assisted Radiology and Surgery, 2018, 13, 875-883.	2.8	6
21	Inter-site Variability in Prostate Segmentation Accuracy Using Deep Learning. Lecture Notes in Computer Science, 2018, , 506-514.	1.3	37
22	Label-driven weakly-supervised learning for multimodal deformable image registration. , 2018, , .		67
23	Immunohistochemical biomarker validation in highly selective needle biopsy microarrays derived from mpMRI-characterized prostates. Prostate, 2018, 78, 1229-1237.	2.3	9
24	Weakly-supervised convolutional neural networks for multimodal image registration. Medical Image Analysis, 2018, 49, 1-13.	11.6	280
25	Accuracy of Transperineal Targeted Prostate Biopsies, Visual Estimation and Image Fusion in Men Needing Repeat Biopsy in the PICTURE Trial. Journal of Urology, 2018, 200, 1227-1234.	0.4	38
26	Automatic segmentation method of pelvic floor levator hiatus in ultrasound using a self-normalizing neural network. Journal of Medical Imaging, 2018, 5, 1.	1.5	19
27	Integration of spatial information in convolutional neural networks for automatic segmentation of intraoperative transrectal ultrasound images. Journal of Medical Imaging, 2018, 6, 1.	1.5	23
28	A hybrid patient-specific biomechanical model based image registration method for the motion estimation of lungs. Medical Image Analysis, 2017, 39, 87-100.	11.6	32
29	The PICTURE study: diagnostic accuracy of multiparametric MRI in men requiring a repeat prostate biopsy. British Journal of Cancer, 2017, 116, 1159-1165.	6.4	90
30	Towards Image-Guided Pancreas and Biliary Endoscopy: Automatic Multi-organ Segmentation on Abdominal CT with Dense Dilated Networks. Lecture Notes in Computer Science, 2017, , 728-736.	1.3	28
31	Designing image segmentation studies: Statistical power, sample size and reference standard quality. Medical Image Analysis, 2017, 42, 44-59.	11.6	12
32	Biomechanical modeling constrained surface-based image registration for prostate MR guided TRUS biopsy. Medical Physics, 2015, 42, 2470-2481.	3.0	18
33	Focal Therapy: Patients, Interventions, and Outcomes—A Report from a Consensus Meeting. European Urology, 2015, 67, 771-777.	1.9	206
34	Locally rigid, vessel-based registration for laparoscopic liver surgery. International Journal of Computer Assisted Radiology and Surgery, 2015, 10, 1951-1961.	2.8	32
35	Multiattribute probabilistic prostate elastic registration (MAPPER): Application to fusion of ultrasound and magnetic resonance imaging. Medical Physics, 2015, 42, 1153-1163.	3.0	12
36	Population-based prediction of subject-specific prostate deformation for MR-to-ultrasound image registration. Medical Image Analysis, 2015, 26, 332-344.	11.6	33

#	ARTICLE	IF	CITATIONS
37	Information processing in computer-assisted interventions: 4th international conference, 2013. International Journal of Computer Assisted Radiology and Surgery, 2014, 9, 755-757.	2.8	0
38	Prostate Cancer Risk Inflation as a Consequence of Image-targeted Biopsy of the Prostate: A Computer Simulation Study. European Urology, 2014, 65, 628-634.	1.9	55
39	The PICTURE study â€” Prostate Imaging (multi-parametric MRI and Prostate HistoScanningâ„¢) Compared to Transperineal Ultrasound guided biopsy for significant prostate cancer Risk Evaluation. Contemporary Clinical Trials, 2014, 37, 69-83.	1.8	50
40	Study on liver blood vessel movement during breathing cycle. , 2013, , .		2
41	Fully automated prostate magnetic resonance imaging and transrectal ultrasound fusion via a probabilistic registration metric. , 2013, 8671, .		15
42	The Accuracy of Different Biopsy Strategies for the Detection of Clinically Important Prostate Cancer: A Computer Simulation. Journal of Urology, 2012, 188, 974-980.	0.4	84
43	A biopsy simulation study to assess the accuracy of several transrectal ultrasonography (TRUS)â€™biopsy strategies compared with template prostate mapping biopsies in patients who have undergone radical prostatectomy. BJU International, 2012, 110, 812-820.	2.5	79
44	Instantiation and registration of statistical shape models of the femur and pelvis using 3D ultrasound imaging. Medical Image Analysis, 2008, 12, 358-374.	11.6	135
45	Self-Calibrating Ultrasound-to-CT Bone Registration. Lecture Notes in Computer Science, 2005, 8, 605-612.	1.3	4