

Dean Barratt

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

1,419
citations

687363

13
h-index

794594

19
g-index

23
all docs

23
docs citations

23
times ranked

1955
citing authors

#	ARTICLE	IF	CITATIONS
1	Evaluation of prostate segmentation algorithms for MRI: The PROMISE12 challenge. <i>Medical Image Analysis</i> , 2014, 18, 359-373.	11.6	469
2	Focal Therapy: Patients, Interventions, and Outcomes—A Report from a Consensus Meeting. <i>European Urology</i> , 2015, 67, 771-777.	1.9	206
3	MR to ultrasound registration for image-guided prostate interventions. <i>Medical Image Analysis</i> , 2012, 16, 687-703.	11.6	148
4	The PICTURE study: diagnostic accuracy of multiparametric MRI in men requiring a repeat prostate biopsy. <i>British Journal of Cancer</i> , 2017, 116, 1159-1165.	6.4	90
5	The Accuracy of Different Biopsy Strategies for the Detection of Clinically Important Prostate Cancer: A Computer Simulation. <i>Journal of Urology</i> , 2012, 188, 974-980.	0.4	84
6	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. <i>European Urology</i> , 2019, 75, 733-740.	1.9	67
7	Prostate Cancer Risk Inflation as a Consequence of Image-targeted Biopsy of the Prostate: A Computer Simulation Study. <i>European Urology</i> , 2014, 65, 628-634.	1.9	55
8	The PICTURE study — Prostate Imaging (multi-parametric MRI and Prostate HistoScanning) Compared to Transperineal Ultrasound guided biopsy for significant prostate cancer Risk Evaluation. <i>Contemporary Clinical Trials</i> , 2014, 37, 69-83.	1.8	50
9	Candesartan- and Atenolol-Based Treatments Induce Different Patterns of Carotid Artery and Left Ventricular Remodeling in Hypertension. <i>Stroke</i> , 2006, 37, 2381-2384.	2.0	47
10	Image-directed, tissue-preserving focal therapy of prostate cancer: a feasibility study of a novel deformable magnetic resonance-ultrasound (MR-US) registration system. <i>BJU International</i> , 2013, 112, 594-601.	2.5	45
11	Accuracy of Transperineal Targeted Prostate Biopsies, Visual Estimation and Image Fusion in Men Needing Repeat Biopsy in the PICTURE Trial. <i>Journal of Urology</i> , 2018, 200, 1227-1234.	0.4	38
12	Integration of spatial information in convolutional neural networks for automatic segmentation of intraoperative transrectal ultrasound images. <i>Journal of Medical Imaging</i> , 2018, 6, 1.	1.5	23
13	Biomechanical modeling constrained surface-based image registration for prostate MR guided TRUS biopsy. <i>Medical Physics</i> , 2015, 42, 2470-2481.	3.0	18
14	Fully automated prostate magnetic resonance imaging and transrectal ultrasound fusion via a probabilistic registration metric. , 2013, 8671, .		15
15	False Positive Multiparametric Magnetic Resonance Imaging Phenotypes in the Biopsy-naïve Prostate: Are They Distinct from Significant Cancer-associated Lesions? Lessons from PROMIS. <i>European Urology</i> , 2021, 79, 20-29.	1.9	13
16	Multiattribute probabilistic prostate elastic registration (MAPPER): Application to fusion of ultrasound and magnetic resonance imaging. <i>Medical Physics</i> , 2015, 42, 1153-1163.	3.0	12
17	Mapping PSA density to outcome of MRI-based active surveillance for prostate cancer through joint longitudinal-survival models. <i>Prostate Cancer and Prostatic Diseases</i> , 2021, 24, 1028-1031.	3.9	10
18	Comparison of the effects of antihypertensive treatment with angiotensin II blockade and beta-blockade on carotid wall structure and haemodynamics: protocol and baseline demographics. <i>JRAAS - Journal of the Renin-Angiotensin-Aldosterone System</i> , 2002, 3, 116-122.	1.7	9

#	ARTICLE	IF	CITATIONS
19	Immunohistochemical biomarker validation in highly selective needle biopsy microarrays derived from mpMRIâ€characterized prostates. Prostate, 2018, 78, 1229-1237.	2.3	9
20	Modelling Prostate Gland Motion for Image-Guided Interventions. Lecture Notes in Computer Science, 2008, , 79-88.	1.3	5
21	FEW-SHOT Image Segmentation for Cross-Institution Male Pelvic Organs Using Registration-Assisted Prototypical Learning. , 2022, , .		4
22	Surface-based prostate registration with biomechanical regularization. , 2013, , .		2
23	Hemodynamic determinants of carotid artery structure in essential hypertension. American Journal of Hypertension, 2004, 17, S131-S132.	2.0	0