James D Dormer

List of Publications by Year
in descending order

40 papers	289 citations	1683354 5 h-index	1588620 8 g-index
40 all docs	40 docs citations	40 times ranked	371 citing authors

#	Article	IF	Citations
1	LED-based hyperspectral endoscopic imaging. , 2022, , .		1
2	Placenta accreta spectrum and hysterectomy prediction using MRI radiomic features. , 2022, , .		0
3	Automatic segmentation of uterine cavity and placenta on MR Images using deep learning. , 2022, , .		0
4	An augmented reality-assisted visualization system for potential applications in prostate biopsy. , 2022, , .		1
5	A low-cost PVC-based dual-modality kidney phantom. , 2022, , .		0
6	Semi-automated three-dimensional segmentation for cardiac CT images using deep learning and randomly distributed points. , 2022, , .		0
7	Technical note: The effect of image annotation with minimal manual interaction for semiautomatic prostate segmentation in CT images using fully convolutional neural networks. Medical Physics, 2022, 49, 1153-1160.	1.6	2
8	Virtual reality assisted cardiac catheterization. , 2021, 11598, .		1
9	Assessing reproducibility in magnetic resonance (MR) radiomics features between deep-learning segmented and expert manual segmented data and evaluating their diagnostic performance in pregnant women with suspected placenta accreta spectrum (PAS). , 2021, , .		1
10	The Contribution of Thoracic Radiation Dose Volumes to Subsequent Development of Cardiovascular Disease in Cancer Survivors. Journal of Cardiovascular Nursing, 2021, Publish Ahead of Print, .	0.6	1
11	Deep learning-based segmentation of the placenta and uterus on MR images. Journal of Medical Imaging, 2021, 8, 054001.	0.8	9
12	228: Automated segmentation of the human placenta and uterus with MR imaging using artificial intelligence (AI). American Journal of Obstetrics and Gynecology, 2020, 222, S158-S159.	0.7	1
13	Hyperspectral microscopic imaging for automatic detection of head and neck squamous cell carcinoma using histologic image and machine learning. , 2020, 11320, .		19
14	Augmented reality-assisted biopsy of soft tissue lesions. , 2020, 11315, .		7
15	Siamese neural networks for the classification of high-dimensional radiomic features. , 2020, 11314, .		3
16	Abdominal muscle segmentation from CT using a convolutional neural network. , 2020, 11317, .		11
17	Segmentation of uterus and placenta in MR images using a fully convolutional neural network. , 2020, 11314, .		13
18	Tumor detection of the thyroid and salivary glands using hyperspectral imaging and deep learning. Biomedical Optics Express, 2020, 11, 1383.	1.5	53

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19	Image guided mitral valve replacement: registration of 3D ultrasound and 2D x-ray images. , 2020, 11315, .		2
20	Development of a new polarized hyperspectral imaging microscope. , 2020, 11213, .		4
21	Development of a polarized hyperspectral microscope for cardiac fiber orientation imaging. , 2020, 11215, .		0
22	Fully automated segmentation of the right ventricle in patients with repaired Tetralogy of Fallot using U-Net. , 2020, 11317, .		3
23	A complex dual-modality kidney phantom for renal biopsy studies. , 2020, 11319, .		2
24	Incorporating minimal user input into deep learning based image segmentation. , 2020, 11313, .		3
25	Hyperspectral Imaging of Head and Neck Squamous Cell Carcinoma for Cancer Margin Detection in Surgical Specimens from 102 Patients Using Deep Learning. Cancers, 2019, 11, 1367.	1.7	71
26	Radiomics analysis of MRI for predicting molecular subtypes of breast cancer in young women. , 2019, 10950, .		1
27	Deep learning-based three-dimensional segmentation of the prostate on computed tomography images. Journal of Medical Imaging, 2019, 6, 1.	0.8	6
28	Deep 3D convolutional neural networks for fast super-resolution ultrasound imaging. , 2019, 10955, .		9
29	Imaging technologies for cardiac fiber and heart failure: a review. Heart Failure Reviews, 2018, 23, 273-289.	1.7	26
30	Heart chamber segmentation from CT using convolutional neural networks. , 2018, 10578, .		23
31	Convolutional neural networks for the detection of diseased hearts using CT images and left atrium patches. , 2018, 10575, .		10
32	Ultrasound segmentation of rat hearts using a convolution neural network. , 2018, 10580, .		2
33	Estimating cardiac fiber orientations in pig hearts using registered ultrasound and MR image volumes. , 2017, 10139, .		1
34	A new method to quantify fiber orientation similarity in registered volumes. Proceedings of SPIE, 2017, 10136, .	0.8	0
35	Determining cardiac fiber orientation using FSL and registered ultrasound/DTI volumes. , 2016, 9790, .		3
36	ROCSTAR: Data acquisition electronics for TOF PET. , 2014, , .		0

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37	SU-E-T-340: Use of Intensity Modulated Proton Therapy (IMPT) for Reducing the Dose to Cochlea in Craniospinal Irradiation (CSI) of Pediatric Patients. Medical Physics, 2014, 41, 302-302.	1.6	0
38	SU-E-T-287: Robustness Study of Passive-Scattering Proton Therapy in Lung: Is Range and Setup Uncertainty Calculation On the Initial CT Enough to Predict the Plan Robustness?. Medical Physics, 2014, 41, 290-290.	1.6	0
39	SU-E-T-474: IMRT Verification Using the On-Board EPID. Medical Physics, 2014, 41, 335-335.	1.6	0
40	SU-E-T-14: A Feasibility Study of Using Modified AP Proton Beam for Post-Operative Pancreatic Cancer Therapy. Medical Physics, 2014, 41, 224-224.	1.6	0