

Oliver Jacob Gurney-Champion

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

831
citations

471061

17
h-index

525886

27
g-index

43
all docs

43
docs citations

43
times ranked

1055
citing authors

#	ARTICLE	IF	CITATIONS
1	Feasibility and accuracy of quantitative imaging on a 1.5 T MR-linear accelerator. <i>Radiotherapy and Oncology</i> , 2019, 133, 156-162.	0.3	80
2	Deep learning how to fit an intravoxel incoherent motion model to diffusion-weighted MRI. <i>Magnetic Resonance in Medicine</i> , 2020, 83, 312-321.	1.9	74
3	Quantitative imaging for radiotherapy purposes. <i>Radiotherapy and Oncology</i> , 2020, 146, 66-75.	0.3	71
4	Visibility and artifacts of gold fiducial markers used for image guided radiation therapy of pancreatic cancer on MRI. <i>Medical Physics</i> , 2015, 42, 2638-2647.	1.6	44
5	Comparison of six fit algorithms for the intra-voxel incoherent motion model of diffusion-weighted magnetic resonance imaging data of pancreatic cancer patients. <i>PLoS ONE</i> , 2018, 13, e0194590.	1.1	44
6	Improved unsupervised physics-informed deep learning for intravoxel incoherent motion modeling and evaluation in pancreatic cancer patients. <i>Magnetic Resonance in Medicine</i> , 2021, 86, 2250-2265.	1.9	41
7	Minimizing the Acquisition Time for Intravoxel Incoherent Motion Magnetic Resonance Imaging Acquisitions in the Liver and Pancreas. <i>Investigative Radiology</i> , 2016, 51, 211-220.	3.5	37
8	Abdominal organ motion during inhalation and exhalation breath-holds: pancreatic motion at different lung volumes compared. <i>Radiotherapy and Oncology</i> , 2016, 121, 268-275.	0.3	37
9	Cross-modality deep learning: Contouring of MRI data from annotated CT data only. <i>Medical Physics</i> , 2021, 48, 1673-1684.	1.6	30
10	A tri-exponential model for intravoxel incoherent motion analysis of the human kidney: In silico and during pharmacological renal perfusion modulation. <i>European Journal of Radiology</i> , 2017, 91, 168-174.	1.2	28
11	MRI-based Assessment of 3D Intrafractional Motion of Head and Neck Cancer for Radiation Therapy. <i>International Journal of Radiation Oncology Biology Physics</i> , 2018, 100, 306-316.	0.4	28
12	Addition of MRI for CT-based pancreatic tumor delineation: a feasibility study. <i>Acta Oncologica</i> , 2017, 56, 923-930.	0.8	23
13	Pathological validation and prognostic potential of quantitative MRI in the characterization of pancreas cancer: preliminary experience. <i>Molecular Oncology</i> , 2020, 14, 2176-2189.	2.1	23
14	Principal component analysis for fast and model-free denoising of multi b-value diffusion-weighted MR images. <i>Physics in Medicine and Biology</i> , 2019, 64, 105015.	1.6	22
15	Evaluation of Six Diffusion-weighted MRI Models for Assessing Effects of Neoadjuvant Chemoradiation in Pancreatic Cancer Patients. <i>International Journal of Radiation Oncology Biology Physics</i> , 2018, 102, 1052-1062.	0.4	20
16	Repeatability of IVIM biomarkers from diffusion-weighted MRI in head and neck: Bayesian probability versus neural network. <i>Magnetic Resonance in Medicine</i> , 2021, 85, 3394-3402.	1.9	19
17	Reduced inter-observer and intra-observer delineation variation in esophageal cancer radiotherapy by use of fiducial markers. <i>Acta Oncologica</i> , 2019, 58, 943-950.	0.8	18
18	Rapid 4D-MRI reconstruction using a deep radial convolutional neural network: Dracula. <i>Radiotherapy and Oncology</i> , 2021, 159, 209-217.	0.3	18

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19	Considerable interobserver variation in delineation of pancreatic cancer on 3DCT and 4DCT: a multi-institutional study. <i>Radiation Oncology</i> , 2017, 12, 58.	1.2	17
20	Deep learning DCE-MRI parameter estimation: Application in pancreatic cancer. <i>Medical Image Analysis</i> , 2022, 80, 102512.	7.0	17
21	Repeatability and correlations of dynamic contrast enhanced and T2* MRI in patients with advanced pancreatic ductal adenocarcinoma. <i>Magnetic Resonance Imaging</i> , 2018, 50, 1-9.	1.0	16
22	Super-resolution T2-weighted 4D MRI for image guided radiotherapy. <i>Radiotherapy and Oncology</i> , 2018, 129, 486-493.	0.3	16
23	Large expert-curated database for benchmarking document similarity detection in biomedical literature search. <i>Database: the Journal of Biological Databases and Curation</i> , 2019, 2019, .	1.4	15
24	Digital tomosynthesis for verifying spine position during radiotherapy: a phantom study. <i>Physics in Medicine and Biology</i> , 2013, 58, 5717-5733.	1.6	12
25	Sub-millimeter spine position monitoring for stereotactic body radiotherapy using offline digital tomosynthesis. <i>Radiotherapy and Oncology</i> , 2015, 115, 223-228.	0.3	12
26	Optimal acquisition scheme for flow-compensated intravoxel incoherent motion diffusion-weighted imaging in the abdomen: An accurate and precise clinically feasible protocol. <i>Magnetic Resonance in Medicine</i> , 2020, 83, 1003-1015.	1.9	11
27	A convolutional neural network for contouring metastatic lymph nodes on diffusion-weighted magnetic resonance images for assessment of radiotherapy response. <i>Physics and Imaging in Radiation Oncology</i> , 2020, 15, 1-7.	1.2	11
28	Quantification of image distortions on the Utrecht interstitial CT/MR brachytherapy applicator at 3T MRI. <i>Brachytherapy</i> , 2016, 15, 118-126.	0.2	8
29	Quantitative assessment of biliary stent artifacts on MR images: Potential implications for target delineation in radiotherapy. <i>Medical Physics</i> , 2016, 43, 5603-5615.	1.6	7
30	Phase I/II Study of LDE225 in Combination with Gemcitabine and Nab-Paclitaxel in Patients with Metastatic Pancreatic Cancer. <i>Cancers</i> , 2021, 13, 4869.	1.7	7
31	Revisiting the Potential of Alternating Repetition Time Balanced Steady-State Free Precession Imaging of the Abdomen at 3 T. <i>Investigative Radiology</i> , 2016, 51, 560-568.	3.5	4
32	Image Distortions on a Plastic Interstitial Computed Tomography/Magnetic Resonance Brachytherapy Applicator at 3 Tesla Magnetic Resonance Imaging and Their Dosimetric Impact. <i>International Journal of Radiation Oncology Biology Physics</i> , 2017, 99, 710-718.	0.4	4
33	Sympathetic activation by lower body negative pressure decreases kidney perfusion without inducing hypoxia in healthy humans. <i>Clinical Autonomic Research</i> , 2020, 30, 149-156.	1.4	4
34	Digital Tomosynthesis Performance for Spine Tracking. <i>International Journal of Radiation Oncology Biology Physics</i> , 2012, 84, S203-S204.	0.4	2
35	PO-0881: 4DMRI for RT planning; novel precise amplitude binning in the presence of irregular breathing. <i>Radiotherapy and Oncology</i> , 2017, 123, S482-S483.	0.3	2
36	Dynamic MRI of swallowing: real-time volumetric imaging at 12 frames per second at 3T. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2022, 35, 411-419.	1.1	2

#	ARTICLE	IF	CITATIONS
37	SP224TRIâˆ”EXPONENTIAL APPROACH FOR INTRAVOXEL INCOHERENT MOTION ANALYSISOF MULTI Bâˆ”VALUE DIFFUSION WHEIGTED MRI DATA FOLLOWS GFR CHANGES IN HEALTHY HUMANS. Nephrology Dialysis Transplantation, 2016, 31, i161-i161.	0.4	0
38	PO-0710: Large interobserver variation of delineated target volumes of pancreatic cancer in the Netherlands. Radiotherapy and Oncology, 2016, 119, S331-S332.	0.3	0
39	In Vivo Quantification of Image Distortions on The Utrecht Interstitial CT/MR Brachytherapy Applicator at 3T MRI. Brachytherapy, 2016, 15, S152.	0.2	0
40	SUâˆ”Eâˆ”Câˆ”16: A Sequence Independent Approach for Quantification of MR Image Deformations From Brachytherapy Applicators. Medical Physics, 2015, 42, 3315-3315.	1.6	0