Michael Brady

List of Publications by Year
in descending order

29 papers	1,388 citations	687363 13 h-index	552781 26 g-index
32 all docs	32 docs citations	32 times ranked	3198 citing authors

#	Article	IF	Citations
1	Imaging biomarker roadmap for cancer studies. Nature Reviews Clinical Oncology, 2017, 14, 169-186.	27.6	792
2	Robust Breast Composition Measurement - VolparaTM. Lecture Notes in Computer Science, 2010, , 342-349.	1.3	130
3	Towards Realtime Multimodal Fusion for Image-Guided Interventions Using Self-similarities. Lecture Notes in Computer Science, 2013, 16, 187-194.	1.3	104
4	Deformable image registration by combining uncertainty estimates from supervoxel belief propagation. Medical Image Analysis, 2016, 27, 57-71.	11.6	58
5	The current status of risk-stratified breast screening. British Journal of Cancer, 2022, 126, 533-550.	6.4	47
6	Lung Cancer Assistant: a hybrid clinical decision support application for lung cancer care. Journal of the Royal Society Interface, 2014, 11, 20140534.	3.4	30
7	Validation of a standardized MRI method for liver fat and T2* quantification. PLoS ONE, 2018, 13, e0204175.	2.5	22
8	Pieces-of-parts for supervoxel segmentation with global context: Application to DCE-MRI tumour delineation. Medical Image Analysis, 2016, 32, 69-83.	11.6	20
9	Magnitude–intrinsic water–fat ambiguity can be resolved with multipeak fat modeling and a multipoint search method. Magnetic Resonance in Medicine, 2019, 82, 460-475.	3.0	18
10	The segmentation of colorectal MRI images. Medical Image Analysis, 2010, 14, 494-509.	11.6	17
11	Shape Description and Matching Using Integral Invariants on Eccentricity Transformed Images. International Journal of Computer Vision, 2015, 113, 92-112.	15.6	16
12	Personalized Graphical Models for Anatomical Landmark Localization in Whole-Body Medical Images. International Journal of Computer Vision, 2015, 111, 29-49.	15.6	16
13	Segmentation of the bladder wall using coupled level set methods. , 2011, , .		15
14	Prospective gating control for highly efficient cardio-respiratory synchronised short and constant TR MRI in the mouse. Magnetic Resonance Imaging, 2018, 53, 20-27.	1.8	14
15	Quantification and normalization of x-ray mammograms. Physics in Medicine and Biology, 2012, 57, 6519-6540.	3.0	13
16	Oncological image analysis. Medical Image Analysis, 2016, 33, 7-12.	11.6	9
17	Towards a more realistic biomechanical modelling of breast malignant tumours. Physics in Medicine and Biology, 2012, 57, 631-648.	3.0	8
18	GIFTed Demons: deformable image registration with local structure-preserving regularization using supervoxels for liver applications. Journal of Medical Imaging, 2018, 5, 1.	1.5	8

#	Article	IF	Citations
19	RICE: A method for quantitative mammographic image enhancement. Medical Image Analysis, 2021, 71, 102043.	11.6	7
20	Fusion of perpendicular anisotropic MRI sequences. , 2011, , .		5
21	Textural mutual information based on cluster trees for multimodal deformable registration. , 2012, , .		5
22	Tumour subregion analysis of colorectal liver metastases using semi-automated clustering based on DCE-MRI: Comparison with histological subregions and impact on pharmacokinetic parameter analysis. European Journal of Radiology, 2020, 126, 108934.	2.6	5
23	Region Matching in the Temporal Study of Mammograms Using Integral Invariant Scale-Space. Lecture Notes in Computer Science, 2012, , 173-180.	1.3	4
24	Pancreas Volumetry in UK Biobank: Comparison of Models and Inference at Scale. Lecture Notes in Computer Science, 2021, , 265-279.	1.3	3
25	Fair shares: building and benefiting from healthcare AI with mutually beneficial structures and development partnerships. British Journal of Cancer, 2021, 125, 1181-1184.	6.4	2
26	A simple, open and extensible gating Control unit for cardiac and respiratory synchronisation control in small animal MRI and demonstration of its robust performance in steady-state maintained CINE-MRI. Magnetic Resonance Imaging, 2021, 81, 1-9.	1.8	2
27	The Impact of Heterogeneity and Uncertainty on Prediction of Response to Therapy Using Dynamic MRI Data. Lecture Notes in Computer Science, 2013, 16, 316-323.	1.3	2
28	A new magnetic resonance-based technique for high-resolution quantification of amorphous and quasi-amorphous structures. Journal of the Royal Society Interface, 2016, 13, 20160589.	3.4	0
29	Slice-to-Volume Registration Enables Automated Pancreas MRI Quantification in UK Biobank. Lecture Notes in Computer Science, 2021, , 210-223.	1.3	0