

Michael J Fulham

List of Publications by Year in descending order

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255
papers

10,263
citations

38742

50
h-index

40979

93
g-index

261
all docs

261
docs citations

261
times ranked

11341
citing authors

#	ARTICLE	IF	CITATIONS
1	Adapted Treatment Guided by Interim PET-CT Scan in Advanced Hodgkin's Lymphoma. <i>New England Journal of Medicine</i> , 2016, 374, 2419-2429.	27.0	629
2	Safety and activity of microRNA-loaded minicells in patients with recurrent malignant pleural mesothelioma: a first-in-man, phase 1, open-label, dose-escalation study. <i>Lancet Oncology</i> , The, 2017, 18, 1386-1396.	10.7	508
3	Multimodal Neuroimaging Feature Learning for Multiclass Diagnosis of Alzheimer's Disease. <i>IEEE Transactions on Biomedical Engineering</i> , 2015, 62, 1132-1140.	4.2	432
4	An Ensemble of Fine-Tuned Convolutional Neural Networks for Medical Image Classification. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2017, 21, 31-40.	6.3	360
5	Mapping of brain tumor metabolites with proton MR spectroscopic imaging: clinical relevance.. <i>Radiology</i> , 1992, 185, 675-686.	7.3	345
6	Knowledge-based Collaborative Deep Learning for Benign-Malignant Lung Nodule Classification on Chest CT. <i>IEEE Transactions on Medical Imaging</i> , 2019, 38, 991-1004.	8.9	317
7	Progressive supranuclear palsy pathology caused by a novel silent mutation in exon 10 of the tau gene. <i>Brain</i> , 2000, 123, 880-893.	7.6	277
8	A critical appraisal of the prevalence and metabolic significance of brown adipose tissue in adult humans. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2010, 299, E601-E606.	3.5	269
9	Metabolism of human gliomas: assessment with H-1 MR spectroscopy and F-18 fluorodeoxyglucose PET.. <i>Radiology</i> , 1990, 177, 633-641.	7.3	251
10	Dermoscopic Image Segmentation via Multistage Fully Convolutional Networks. <i>IEEE Transactions on Biomedical Engineering</i> , 2017, 64, 2065-2074.	4.2	237
11	Randomized Controlled Trial of the Role of Positron Emission Tomography in the Management of Stage I and II Non-Small-Cell Lung Cancer. <i>Journal of Clinical Oncology</i> , 2004, 22, 2357-2362.	1.6	187
12	Fusing texture, shape and deep model-learned information at decision level for automated classification of lung nodules on chest CT. <i>Information Fusion</i> , 2018, 42, 102-110.	19.1	185
13	Positron Emission Tomography-Computed Tomography (PET-CT) After Induction Therapy Is Highly Predictive of Patient Outcome in Follicular Lymphoma: Analysis of PET-CT in a Subset of PRIMA Trial Participants. <i>Journal of Clinical Oncology</i> , 2011, 29, 3194-3200.	1.6	176
14	Quality of Life and Survival in the 2 Years After Surgery for Non-Small-Cell Lung Cancer. <i>Journal of Clinical Oncology</i> , 2008, 26, 233-241.	1.6	172
15	Two novel (M233T and I278T) presenilin-1 mutations in early-onset Alzheimer's disease pedigrees and preliminary evidence for association of presenilin-1 mutations with a novel phenotype. <i>NeuroReport</i> , 1997, 8, 1537-1542.	1.2	165
16	Content-Based Medical Image Retrieval: A Survey of Applications to Multidimensional and Multimodality Data. <i>Journal of Digital Imaging</i> , 2013, 26, 1025-1039.	2.9	162
17	Correction for head movements in positron emission tomography using an optical motion-tracking system. <i>IEEE Transactions on Nuclear Science</i> , 2002, 49, 116-123.	2.0	145
18	Co-Learning Feature Fusion Maps From PET-CT Images of Lung Cancer. <i>IEEE Transactions on Medical Imaging</i> , 2020, 39, 204-217.	8.9	144

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19	PET-CT for staging and early response: results from the Response-Adapted Therapy in Advanced Hodgkin Lymphoma study. <i>Blood</i> , 2016, 127, 1531-1538.	1.4	143
20	Step-wise integration of deep class-specific learning for dermoscopic image segmentation. <i>Pattern Recognition</i> , 2019, 85, 78-89.	8.1	141
21	Segmentation of dynamic PET images using cluster analysis. <i>IEEE Transactions on Nuclear Science</i> , 2002, 49, 200-207.	2.0	132
22	The impact of PET-CT in suspected recurrent ovarian cancer: A prospective multi-centre study as part of the Australian PET Data Collection Project. <i>Gynecologic Oncology</i> , 2009, 112, 462-468.	1.4	124
23	Saliency-Based Lesion Segmentation Via Background Detection in Dermoscopic Images. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2017, 21, 1685-1693.	6.3	123
24	Multimodal neuroimaging computing: a review of the applications in neuropsychiatric disorders. <i>Brain Informatics</i> , 2015, 2, 167-180.	3.0	115
25	A prototype coded aperture detector for small animal SPECT. <i>IEEE Transactions on Nuclear Science</i> , 2002, 49, 2167-2171.	2.0	112
26	Synthesis and in vivo evaluation of a novel peripheral benzodiazepine receptor PET radioligand. <i>Biorganic and Medicinal Chemistry</i> , 2005, 13, 6188-6194.	3.0	108
27	A Likelihood and Local Constraint Level Set Model for Liver Tumor Segmentation from CT Volumes. <i>IEEE Transactions on Biomedical Engineering</i> , 2013, 60, 2967-2977.	4.2	105
28	Evaluation of two population-based input functions for quantitative neurological FDG PET studies. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 1997, 24, 299-304.	2.1	98
29	Neuroimaging of juvenile pilocytic astrocytomas: an enigma.. <i>Radiology</i> , 1993, 189, 221-225.	7.3	94
30	The topography and significance of extratemporal hypometabolism in refractory mesial temporal lobe epilepsy examined by FDG-PET. <i>Epilepsia</i> , 2010, 51, 1365-1373.	5.1	85
31	Classification of Medical Images in the Biomedical Literature by Jointly Using Deep and Handcrafted Visual Features. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2018, 22, 1521-1530.	6.3	84
32	Comparison of Pittsburgh compound B and florbetapir in cross-sectional and longitudinal studies. <i>Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring</i> , 2019, 11, 180-190.	2.4	84
33	PET Changes Management and Improves Prognostic Stratification in Patients with Recurrent Colorectal Cancer: Results of a Multicenter Prospective Study. <i>Journal of Nuclear Medicine</i> , 2008, 49, 1451-1457.	5.0	82
34	Simultaneous estimation of physiological parameters and the input function - in vivo PET data. <i>IEEE Transactions on Information Technology in Biomedicine</i> , 2001, 5, 67-76.	3.2	80
35	Multimodal Spatial Attention Module for Targeting Multimodal PET-CT Lung Tumor Segmentation. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2021, 25, 3507-3516.	6.3	74
36	Lung Nodule Classification With Multilevel Patch-Based Context Analysis. <i>IEEE Transactions on Biomedical Engineering</i> , 2014, 61, 1155-1166.	4.2	72

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37	Accelerated EM reconstruction in total-body PET: potential for improving tumour detectability. <i>Physics in Medicine and Biology</i> , 1994, 39, 1689-1704.	3.0	70
38	Pituitary microadenomas: a PET study.. <i>Radiology</i> , 1990, 177, 39-44.	7.3	69
39	Atlas registration and ensemble deep convolutional neural network-based prostate segmentation using magnetic resonance imaging. <i>Neurocomputing</i> , 2018, 275, 1358-1369.	5.9	68
40	A Significant Metabolic and Radiological Response after a Novel Targeted MicroRNA-based Treatment Approach in Malignant Pleural Mesothelioma. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2015, 191, 1467-1469.	5.6	66
41	Large Margin Local Estimate With Applications to Medical Image Classification. <i>IEEE Transactions on Medical Imaging</i> , 2015, 34, 1362-1377.	8.9	66
42	Multi-Label classification of multi-modality skin lesion via hyper-connected convolutional neural network. <i>Pattern Recognition</i> , 2020, 107, 107502.	8.1	63
43	Decreased cerebral glucose metabolism in patients with brain tumors: an effect of corticosteroids. <i>Journal of Neurosurgery</i> , 1995, 83, 657-664.	1.6	62
44	An investigation of coded aperture imaging for small animal SPECT. <i>IEEE Transactions on Nuclear Science</i> , 2001, 48, 816-821.	2.0	61
45	Corticobasal syndrome with tau pathology. <i>Movement Disorders</i> , 2001, 16, 656-667.	3.9	61
46	¹⁸ F-FDG PET/CT radiomic predictors of pathologic complete response (pCR) to neoadjuvant chemotherapy in breast cancer patients. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2020, 47, 1116-1126.	6.4	60
47	In vivo imaging of nicotinic receptor upregulation following chronic (-)-nicotine treatment in baboon using SPECT. <i>Nuclear Medicine and Biology</i> , 2001, 28, 165-175.	0.6	59
48	Pulmonary metastatic melanoma – the survival benefit associated with positron emission tomography scanning. <i>European Journal of Cardio-thoracic Surgery</i> , 2002, 21, 611-615.	1.4	57
49	Synthesis of Positron Emission Tomography (PET) Images via Multi-channel Generative Adversarial Networks (GANs). <i>Lecture Notes in Computer Science</i> , 2017, , 43-51.	1.3	57
50	Automatic detection and classification of regions of FDG uptake in whole-body PET-CT lymphoma studies. <i>Computerized Medical Imaging and Graphics</i> , 2017, 60, 3-10.	5.8	55
51	Cyclotron-based production of ⁶⁸ Ga, [⁶⁸ Ga]GaCl ₃ , and [⁶⁸ Ga]Ga-PSMA-11 from a liquid target. <i>EJNMMI Radiopharmacy and Chemistry</i> , 2020, 5, 25.	3.9	54
52	Automatic segmentation of overlapping cervical smear cells based on local distinctive features and guided shape deformation. <i>Neurocomputing</i> , 2017, 221, 94-107.	5.9	51
53	Automated skin lesion segmentation via image-wise supervised learning and multi-scale superpixel based cellular automata. , 2016, , .		48
54	Automatic melanoma detection via multi-scale lesion-biased representation and joint reverse classification. , 2016, , .		47

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55	Adapting content-based image retrieval techniques for the semantic annotation of medical images. <i>Computerized Medical Imaging and Graphics</i> , 2016, 49, 37-45.	5.8	43
56	Stacked fully convolutional networks with multi-channel learning: application to medical image segmentation. <i>Visual Computer</i> , 2017, 33, 1061-1071.	3.5	43
57	Transferable Multi-model Ensemble for Benign-Malignant Lung Nodule Classification on Chest CT. <i>Lecture Notes in Computer Science</i> , 2017, , 656-664.	1.3	43
58	¹³¹ I-Labeled Copper Sulfide-Loaded Microspheres to Treat Hepatic Tumors via Hepatic Artery Embolization. <i>Theranostics</i> , 2018, 8, 785-799.	10.0	43
59	Estimation of input function and kinetic parameters using simulated annealing: application in a flow model. <i>IEEE Transactions on Nuclear Science</i> , 2002, 49, 707-713.	2.0	41
60	PET/CT assessment in follicular lymphoma using standardized criteria: central review in the PRIMA study. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2014, 41, 408-415.	6.4	39
61	Automated saliency-based lesion segmentation in dermoscopic images. , 2015, 2015, 3009-12.		39
62	Computed tomography, magnetic resonance imaging and positron emission tomography with [18F] fluorodeoxyglucose in multiple system atrophy and pure autonomic failure. <i>Clinical Autonomic Research</i> , 1991, 1, 27-36.	2.5	38
63	A propagation-DNN: Deep combination learning of multi-level features for MR prostate segmentation. <i>Computer Methods and Programs in Biomedicine</i> , 2019, 170, 11-21.	4.7	37
64	Relationship between preoperative hypometabolism and surgical outcome in neocortical epilepsy surgery. <i>Epilepsia</i> , 2012, 53, 1333-1340.	5.1	36
65	3D neurological image retrieval with localized pathology-centric CMRGlc patterns. , 2010, , .		35
66	Tumour necrosis factor (TNF) inhibitor therapy in Susac's syndrome. <i>Journal of the Neurological Sciences</i> , 2011, 302, 126-128.	0.6	35
67	A graph-based approach for the retrieval of multi-modality medical images. <i>Medical Image Analysis</i> , 2014, 18, 330-342.	11.6	35
68	Lung tumor segmentation in PET images using graph cuts. <i>Computer Methods and Programs in Biomedicine</i> , 2013, 109, 260-268.	4.7	34
69	Invasive Aspergillosis Mimicking Stage IIIA Non- ⁶⁴ Small-Cell Lung Cancer on FDG Positron Emission Tomography. <i>Clinical Nuclear Medicine</i> , 2003, 28, 234-235.	1.3	32
70	Accuracy of positron emission tomography in the evaluation of patients treated with chemoradiotherapy for mucosal head and neck cancer. <i>Head and Neck</i> , 2009, 31, 244-250.	2.0	32
71	The combined therapeutic effects of ¹³¹ iodine-labeled multifunctional copper sulfide-loaded microspheres in treating breast cancer. <i>Acta Pharmaceutica Sinica B</i> , 2018, 8, 371-380.	12.0	31
72	Unsupervised brain tumor segmentation using a symmetric-driven adversarial network. <i>Neurocomputing</i> , 2021, 455, 242-254.	5.9	31

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73	Topology polymorphism graph for lung tumor segmentation in PET-CT images. <i>Physics in Medicine and Biology</i> , 2015, 60, 4893-4914.	3.0	29
74	Supervised Variational Model With Statistical Inference and Its Application in Medical Image Segmentation. <i>IEEE Transactions on Biomedical Engineering</i> , 2015, 62, 196-207.	4.2	29
75	Automated Delineation of Lung Tumors in PET Images Based on Monotonicity and a Tumor-Customized Criterion. <i>IEEE Transactions on Information Technology in Biomedicine</i> , 2011, 15, 691-702.	3.2	28
76	Programmed cell death-1 blockade in recurrent disseminated Ewing sarcoma. <i>Journal of Hematology and Oncology</i> , 2016, 9, 48.	17.0	28
77	Early identification of mild cognitive impairment using incomplete random forest-robust support vector machine and FDG-PET imaging. <i>Computerized Medical Imaging and Graphics</i> , 2017, 60, 35-41.	5.8	28
78	Multi-Channel neurodegenerative pattern analysis and its application in Alzheimer's disease characterization. <i>Computerized Medical Imaging and Graphics</i> , 2014, 38, 436-444.	5.8	27
79	Dictionary pruning with visual word significance for medical image retrieval. <i>Neurocomputing</i> , 2016, 177, 75-88.	5.9	27
80	Unsupervised Deep Transfer Feature Learning for Medical Image Classification. , 2019, , .		27
81	Unsupervised Domain Adaptation to Classify Medical Images Using Zero-Bias Convolutional Auto-Encoders and Context-Based Feature Augmentation. <i>IEEE Transactions on Medical Imaging</i> , 2020, 39, 2385-2394.	8.9	27
82	Cell image segmentation using bacterial foraging optimization. <i>Applied Soft Computing Journal</i> , 2017, 58, 770-782.	7.2	26
83	Lesion Detection and Characterization With Context Driven Approximation in Thoracic FDG PET-CT Images of NSCLC Studies. <i>IEEE Transactions on Medical Imaging</i> , 2014, 33, 408-421.	8.9	25
84	Bilateral Orbitomedial Leucotomy for Obsessiveâ€“Compulsive Disorder: A Single-Case Study Using Positron Emission Tomography. <i>Australian and New Zealand Journal of Psychiatry</i> , 2001, 35, 684-690.	2.3	24
85	Focal cerebral ischemia and antiphospholipid antibodies: a case for cardiac embolism. <i>Acta Neurologica Scandinavica</i> , 2009, 90, 417-423.	2.1	24
86	Convolutional sparse kernel network for unsupervised medical image analysis. <i>Medical Image Analysis</i> , 2019, 56, 140-151.	11.6	24
87	Recurrent feature fusion learning for multi-modality pet-ct tumor segmentation. <i>Computer Methods and Programs in Biomedicine</i> , 2021, 203, 106043.	4.7	24
88	In vivo study of nmda-sensitive glutamate receptor by fluorothienylcyclooxylpiperidine, a possible ligand for positron emission tomography. <i>Neuropharmacology</i> , 1991, 30, 899-905.	4.1	23
89	High beam current operation of a PETtrace™ cyclotron for 18Fâˆ“ production. <i>Applied Radiation and Isotopes</i> , 2012, 70, 922-930.	1.5	23
90	18F-FDG PET/CT Radiomics for Preoperative Prediction of Lymph Node Metastases and Nodal Staging in Gastric Cancer. <i>Frontiers in Oncology</i> , 2021, 11, 723345.	2.8	23

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91	A Visual Analytics Approach Using the Exploration of Multidimensional Feature Spaces for Content-Based Medical Image Retrieval. IEEE Journal of Biomedical and Health Informatics, 2015, 19, 1734-1746.	6.3	22
92	Multimodal neuroimaging computing: the workflows, methods, and platforms. Brain Informatics, 2015, 2, 181-195.	3.0	22
93	Transsynaptic Reduction in N-Acetyl-Aspartate in Cerebellar Diaschisis. Journal of Computer Assisted Tomography, 1994, 18, 697-704.	0.9	21
94	Ex vivo and in vivo evaluation of [¹⁸ F]fluoroethoxy- and fluoropropoxy-benzovesamicol, as PET radioligands for the vesicular acetylcholine transporter. Synapse, 2007, 61, 962-970.	1.2	21
95	Capsule endoscopy versus positron emission tomography for detection of small-bowel metastatic melanoma: a pilot study. Gastrointestinal Endoscopy, 2011, 73, 750-756.	1.0	21
96	Visibility-driven PET-CT visualisation with region of interest (ROI) segmentation. Visual Computer, 2013, 29, 805-815.	3.5	21
97	An attention-enhanced cross-task network to analyse lung nodule attributes in CT images. Pattern Recognition, 2022, 126, 108576.	8.1	21
98	Dual-modality brain PET-CT image segmentation based on adaptive use of functional and anatomical information. Computerized Medical Imaging and Graphics, 2012, 36, 47-53.	5.8	20
99	Optimized sampling and parameter estimation for quantification in whole body PET. IEEE Transactions on Biomedical Engineering, 1996, 43, 1021-1028.	4.2	19
100	Skeletal Muscle Uptake Detected on FDG PET 48 Hours After Exertion. Clinical Nuclear Medicine, 2003, 28, 840-841.	1.3	19
101	Automated Identification of Dementia Using FDG-PET Imaging. BioMed Research International, 2014, 2014, 1-8.	1.9	19
102	X-ray image classification using domain transferred convolutional neural networks and local sparse spatial pyramid pooling. , 2016, , .		19
103	Pairwise Latent Semantic Association for Similarity Computation in Medical Imaging. IEEE Transactions on Biomedical Engineering, 2016, 63, 1058-1069.	4.2	19
104	Markedly Increased FDG Uptake in a Vocal Cord After Medialization With Teflon: PET/CT Findings. Clinical Nuclear Medicine, 2005, 30, 45-47.	1.3	18
105	Robust Model for Segmenting Images With/Without Intensity Inhomogeneities. IEEE Transactions on Image Processing, 2013, 22, 3296-3309.	9.8	18
106	Semi-automatic skin lesion segmentation via fully convolutional networks. , 2017, , .		18
107	Pretreatment and posttreatment positron emission tomographic scan imaging in a 20-year-old patient with Wilson's disease. Movement Disorders, 1998, 13, 162-166.	3.9	17
108	The relationship between neuropsychological functioning and FDG-PET hypometabolism in intractable mesial temporal lobe epilepsy. Epilepsy and Behavior, 2015, 44, 136-142.	1.7	17

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109	Deep multi-modality collaborative learning for distant metastases predication in PET-CT soft-tissue sarcoma studies. , 2019, 2019, 3658-3688.		17
110	Comparing cortical signatures of atrophy between late-onset and autosomal dominant Alzheimer disease. NeuroImage: Clinical, 2020, 28, 102491.	2.7	17
111	Multi-stage Thresholded Region Classification for Whole-Body PET-CT Lymphoma Studies. Lecture Notes in Computer Science, 2014, 17, 569-576.	1.3	17
112	Increased Splenic FDG Uptake on PET in Beta-Thalassemia. Clinical Nuclear Medicine, 2004, 29, 266-267.	1.3	16
113	A content-based image retrieval framework for multi-modality lung images. , 2010, , .		16
114	Localized functional neuroimaging retrieval using 3D discrete curvelet transform. , 2011, , .		16
115	Thoracic image case retrieval with spatial and contextual information. , 2011, , .		16
116	Joint Probabilistic Model of Shape and Intensity for Multiple Abdominal Organ Segmentation From Volumetric CT Images. IEEE Journal of Biomedical and Health Informatics, 2013, 17, 92-102.	6.3	16
117	Lung Tumor Delineation Based on Novel Tumor-Background Likelihood Models in PET-CT Images. IEEE Transactions on Nuclear Science, 2014, 61, 218-224.	2.0	16
118	Improving Skin Lesion Segmentation via Stacked Adversarial Learning. , 2019, , .		16
119	Longitudinal Accumulation of Cerebral Microhemorrhages in Dominantly Inherited Alzheimer Disease. Neurology, 2021, 96, e1632-e1645.	1.1	16
120	The influence of tomograph sensitivity on kinetic parameter estimation in positron emission tomography imaging studies of the rat brain. Nuclear Medicine and Biology, 2000, 27, 617-625.	0.6	15
121	Neuroimaging Findings in a Suprasellar Granular Cell Tumor. Journal of Computer Assisted Tomography, 2003, 27, 26-29.	0.9	15
122	Segmentation of dual modality brain PET/CT images using the MAP-MRF model. , 2008, , .		15
123	A rapid solid-phase extraction method for measurement of non-metabolised peripheral benzodiazepine receptor ligands, [18F]PBR102 and [18F]PBR111, in rat and primate plasma. Nuclear Medicine and Biology, 2011, 38, 137-148.	0.6	15
124	Primary lung tumor segmentation from PETâ€“CT volumes with spatialâ€“topological constraint. International Journal of Computer Assisted Radiology and Surgery, 2016, 11, 19-29.	2.8	15
125	Rheumatoid leptomeningitis presenting with an acute neuropsychiatric disorder. Practical Neurology, 2019, 19, 68-71.	1.1	15
126	Topographical, Autobiographical and Semantic Memory in a Patient with Bilateral Mesial Temporal and Retrosplenial Infarction. Neurocase, 2007, 13, 97-114.	0.6	14

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127	Fully automated liver segmentation for low- and high- contrast CT volumes based on probabilistic atlases. , 2010, , .		14
128	The cognitive profile of occipital lobe epilepsy and the selective association of left temporal lobe hypometabolism with verbal memory impairment. Epilepsia, 2014, 55, e80-4.	5.1	14
129	Prostate segmentation in MR images using ensemble deep convolutional neural networks. , 2017, , .		14
130	Unsupervised Two-Path Neural Network for Cell Event Detection and Classification Using Spatiotemporal Patterns. IEEE Transactions on Medical Imaging, 2019, 38, 1477-1487.	8.9	14
131	Simultaneous Emission and Transmission (SET) Scanning in Neurological PET Studies. Journal of Computer Assisted Tomography, 1997, 21, 487-497.	0.9	14
132	Generalized regional disorder-sensitive-weighting scheme for 3D neuroimaging retrieval. , 2011, 2011, 7009-12.		13
133	Peripheral benzodiazepine receptors and glucose metabolism in human gliomas. Journal of Neuro-Oncology, 1994, 22, 15-22.	2.9	12
134	A New Energy Framework With Distribution Descriptors for Image Segmentation. IEEE Transactions on Image Processing, 2013, 22, 3578-3590.	9.8	12
135	Modeling autosomal dominant Alzheimer's disease with machine learning. Alzheimer's and Dementia, 2021, 17, 1005-1016.	0.8	12
136	Hyper-fusion network for semi-automatic segmentation of skin lesions. Medical Image Analysis, 2022, 76, 102334.	11.6	12
137	Radiation dosimetry of the translocator protein ligands [18F]PBR111 and [18F]PBR102. Nuclear Medicine and Biology, 2012, 39, 742-753.	0.6	11
138	Automated Segmentation of Prostate MR Images Using Prior Knowledge Enhanced Random Walker. , 2013, , .		11
139	A web-based medical multimedia visualisation interface for personal health records. , 2013, , .		11
140	Diagnostic clues in an adult case of Leigh's disease. Medical Journal of Australia, 1988, 149, 320-322.	1.7	10
141	FDG Positron Emission Tomographic Imaging of a Large Abdominal Aortic Aneurysm. Clinical Nuclear Medicine, 2003, 28, 130-131.	1.3	10
142	Sequential 123I-iododexetimide scans in temporal lobe epilepsy: comparison with neuroimaging scans (MR imaging and 18F-FDG PET imaging). European Journal of Nuclear Medicine and Molecular Imaging, 2005, 32, 180-185.	6.4	10
143	A robust volumetric feature extraction approach for 3D neuroimaging retrieval. , 2010, 2010, 5657-60.		10
144	Localized multiscale texture based retrieval of neurological image. , 2010, , .		10

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145	The effects of mesial temporal and cerebellar hypometabolism on learning and memory. Journal of the International Neuropsychological Society, 2001, 7, 353-362.	1.8	9
146	Cellular automata and anisotropic diffusion filter based interactive tumor segmentation for positron emission tomography. , 2013, 2013, 5453-6.		9
147	Automated feedback extraction for medical imaging retrieval. , 2014, , .		9
148	A ranking-based lung nodule image classification method using unlabeled image knowledge. , 2014, , .		9
149	Occlusion and Slice-Based Volume Rendering Augmentation for PET-CT. IEEE Journal of Biomedical and Health Informatics, 2017, 21, 1005-1014.	6.3	9
150	NMDA receptor antibody in teratoma-related opsoclonus-myoclonus syndrome. Journal of Clinical Neuroscience, 2018, 58, 203-204.	1.5	9
151	Discriminative Pathological Context Detection in Thoracic Images Based on Multi-level Inference. Lecture Notes in Computer Science, 2011, 14, 191-198.	1.3	9
152	Procainamide Infusion and Acute Atrial Fibrillation. Anaesthesia and Intensive Care, 1984, 12, 121-124.	0.7	8
153	Genetic algorithm-based PCA eigenvector selection and weighting for automated identification of dementia using FDG-PET imaging. , 2008, 2008, 4812-5.		8
154	Automatic identification of myopic maculopathy related imaging features in optic disc region via machine learning methods. Journal of Translational Medicine, 2021, 19, 167.	4.4	8
155	Lung segmentation and tumor detection from CT thorax volumes of FDG PET-CT scans by template registration and incorporation of functional information. , 2008, , .		7
156	False-Positive Diagnosis of Metastasis on Positron Emission Tomographyâ€“Computed Tomography Imaging Due to Hibernoma. Journal of Clinical Oncology, 2009, 27, 994-995.	1.6	7
157	Automated detection and delineation of lung tumors in PET-CT volumes using a lung atlas and iterative mean-SUV threshold. , 2009, , .		7
158	Acute unilateral peripheral vestibulopathy in neurosyphilis. Journal of the Neurological Sciences, 2017, 378, 55-58.	0.6	7
159	Synthesis and pharmacological evaluation of [¹⁸ F]PBR316: a novel PET ligand targeting the translocator protein 18 kDa (TSPO) with low binding sensitivity to human single nucleotide polymorphism rs6971. RSC Medicinal Chemistry, 2021, 12, 1207-1221.	3.9	7
160	Result of FDG PET-CT Imaging After Immunochemotherapy Induction Is a Powerful and Independent Prognostic Indicator of Outcome for Patients with Follicular Lymphoma: An Analysis From the PRIMA Study. Blood, 2010, 116, 855-855.	1.4	7
161	Synthesis of ⁶⁸ Ga-radiopharmaceuticals using both generator-derived and cyclotron-produced ⁶⁸ Ga as exemplified by [⁶⁸ Ga]Ga-PSMA-11 for prostate cancer PET imaging. Nature Protocols, 2022, 17, 980-1003.	12.0	7
162	Primary Malignant Peritoneal Mesothelioma. Clinical Nuclear Medicine, 2002, 27, 924-925.	1.3	6

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163	FDG PET Imaging of Metastatic Gastrointestinal Stromal Tumor. <i>Clinical Nuclear Medicine</i> , 2003, 28, 780-781.	1.3	6
164	Post-traumatic Cerebral Venous Infarct Mimicking an Infiltrative Glioma. <i>Clinical Nuclear Medicine</i> , 2004, 29, 68-69.	1.3	6
165	Incidental Situs Inversus Visualized with FDG PET/CT. <i>Clinical Nuclear Medicine</i> , 2004, 29, 846-847.	1.3	6
166	Constructing Reliable Parametric Images Using Enhanced GLLS for Dynamic SPECT. <i>IEEE Transactions on Biomedical Engineering</i> , 2009, 56, 1117-1126.	4.2	6
167	Automated lung tumor segmentation for whole body PET volume based on novel downhill region growing. <i>Proceedings of SPIE</i> , 2010, , .	0.8	6
168	Structure-Adaptive Feature Extraction and Representation for Multi-modality Lung Images Retrieval. , 2010, , .		6
169	Brain tissue segmentation in PET-CT images using probabilistic atlas and variational Bayes inference. , 2011, 2011, 7969-72.		6
170	Graph-based retrieval of multi-modality medical images: A comparison of representations using simulated images. , 2012, , .		6
171	Designing user interfaces to enhance human interpretation of medical content-based image retrieval: application to PET-CT images. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2013, 8, 1003-1014.	2.8	6
172	Topology constraint graph-based model for non-small-cell lung tumor segmentation from PET volumes. , 2014, , .		6
173	Efficient visibility-driven medical image visualisation via adaptive binned visibility histogram. <i>Computerized Medical Imaging and Graphics</i> , 2016, 51, 40-49.	5.8	6
174	Alternate HPLC method for the analysis of tetrabutylammonium hydroxide in [¹⁸ F]fluorodeoxythymidine (FLT). <i>Journal of Liquid Chromatography and Related Technologies</i> , 2017, 40, 667-670.	1.0	6
175	A topo-graph model for indistinct target boundary definition from anatomical images. <i>Computer Methods and Programs in Biomedicine</i> , 2018, 159, 211-222.	4.7	6
176	Classification of dementia from FDG-PET parametric images using data mining. , 2008, , .		5
177	Rich internet application system for patient-centric healthcare data management using handheld devices. , 2009, 2009, 5167-70.		5
178	Automated liver segmentation for whole-body low-contrast CT images from PET-CT scanners. , 2009, 2009, 3565-8.		5
179	Thoracic image matching with appearance and spatial distribution. , 2011, 2011, 4469-72.		5
180	Prior knowledge enhanced random walk for lung tumor segmentation from low-contrast CT images. , 2013, 2013, 6071-4.		5

#	ARTICLE	IF	CITATIONS
181	Metabolic Changes in Occipital Lobe Epilepsy with Automatism. <i>Frontiers in Neurology</i> , 2014, 5, 135.	2.4	5
182	Design, Synthesis, and Biological Evaluation of Novel Fluorescent Probes Targeting the 18â€šDa Translocator Protein. <i>ChemMedChem</i> , 2021, 16, 1902-1916.	3.2	5
183	Unsupervised Positron Emission Tomography Tumor Segmentation via GAN based Adversarial Auto-Encoder. , 2020, , .		5
184	Graph-Based Intercategory and Intermodality Network for Multilabel Classification and Melanoma Diagnosis of Skin Lesions in Dermoscopy and Clinical Images. <i>IEEE Transactions on Medical Imaging</i> , 2022, 41, 3266-3277.	8.9	5
185	Differentiation of Synchronous Tumors Using FDG Positron Emission Tomography. <i>Clinical Nuclear Medicine</i> , 2003, 28, 489-491.	1.3	4
186	Segmentation of brain structures using PET-CT images. , 2008, , .		4
187	A new statistical and Dirichlet integral framework applied to liver segmentation from volumetric CT images. , 2014, , .		4
188	A combinatorial Bayesian and Dirichlet model for prostate MR image segmentation using probabilistic image features. <i>Physics in Medicine and Biology</i> , 2016, 61, 6085-6104.	3.0	4
189	A web-based multidisciplinary team meeting visualisation system. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2019, 14, 2221-2231.	2.8	4
190	Optimizing Contextual Feature Learning for Mitosis Detection with Convolutional Recurrent Neural Networks. , 2019, , .		4
191	A direct volume rendering visualization approach for serial PETâ€šCT scans that preserves anatomical consistency. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2019, 14, 733-744.	2.8	4
192	Pattern and degree of individual brain atrophy predicts dementia onset in dominantly inherited Alzheimer's disease. <i>Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring</i> , 2021, 13, e12197.	2.4	4
193	Evaluation of two population-based input functions for quantitative neurological FDG PET studies. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 1997, 24, 299-304.	6.4	4
194	Simultaneous emission and transmission scanning in PET oncology: the effect on parameter estimation. <i>IEEE Transactions on Nuclear Science</i> , 1997, 44, 67-73.	2.0	3
195	3-Pyridyl ethers as SPECT radioligands for imaging nicotinic acetylcholine receptors. <i>Applied Radiation and Isotopes</i> , 2004, 60, 669-676.	1.5	3
196	Evaluation of an Input Function Model that Incorporates the Injection Schedule in FDG-PET Studies. , 2006, , .		3
197	PET-enhanced liver segmentation for CT images from combined PET-CT scanners. , 2009, , .		3
198	Graph-based retrieval of PET-CT images using vector space embedding. , 2013, , .		3

#	ARTICLE	IF	CITATIONS
199	Efficient PET-CT image retrieval using graphs embedded into a vector space. , 2014, 2014, 1901-4.		3
200	Synthesis of [11C]PBR170, a novel imidazopyridine, for imaging the translocator protein with PET. Applied Radiation and Isotopes, 2014, 90, 46-52.	1.5	3
201	Clique Identification and Propagation for Multimodal Brain Tumor Image Segmentation. Lecture Notes in Computer Science, 2016, , 285-294.	1.3	3
202	Similarity Guided Feature Labeling for Lesion Detection. Lecture Notes in Computer Science, 2013, 16, 284-291.	1.3	3
203	Bilateral orbitomedial leucotomy for obsessive-compulsive disorder: a single-case study using positron emission tomography. Australian and New Zealand Journal of Psychiatry, 2001, 35, 684-690.	2.3	3
204	A Critical Role for Intratumoral and Circulating LAG3 in Classical Hodgkin Lymphoma: Analysis from the Rathl Prospective Phase III International Clinical Trial. Blood, 2018, 132, 1621-1621.	1.4	3
205	Fused feature signatures to probe tumour radiogenomics relationships. Scientific Reports, 2022, 12, 2173.	3.3	3
206	Intraluminal FDG Uptake in a Rectal Polyp Detected With PET CT: Identification of an Unsuspected Synchronous Primary Bowel Tumor. Clinical Nuclear Medicine, 2005, 30, 180-181.	1.3	2
207	Segmentation of brain PET-CT images based on adaptive use of complementary information. , 2009, , .		2
208	Another Cause of Occupational Entrapment Neuropathy: La Main Du Cuisinier (The Chef's Hand). Journal of Clinical Neurophysiology, 2009, 26, 129-131.	1.7	2
209	Lung tumor delineation in PET-CT images using a downhill region growing and a Gaussian mixture model. , 2011, , .		2
210	Parametric Images in Assessing Bone Grafts Using Dynamic ¹⁸ F-Fluoride PET. International Journal of Molecular Imaging, 2011, 2011, 1-8.	1.3	2
211	Corrections to "Robust Model for Segmenting Images With/Without Intensity Inhomogeneities" [Aug. 13 3296-3309]. IEEE Transactions on Image Processing, 2013, 22, 3729-3729.	9.8	2
212	Opacity-driven volume clipping for slice of interest (SOI) visualisation of multi-modality PET-CT volumes. , 2014, 2014, 6714-7.		2
213	Classification of thresholded regions based on selective use of PET, CT and PET-CT image features. , 2014, 2014, 1913-6.		2
214	Bruxism "Before and After Images" on 18F-FDG PET/CT. Clinical Nuclear Medicine, 2014, 39, 564-566.	1.3	2
215	Brown Fat FDG Uptake Abolished By Radiotherapy. Clinical Nuclear Medicine, 2015, 40, 437-438.	1.3	2
216	Feature of Interest-Based Direct Volume Rendering Using Contextual Saliency-Driven Ray Profile Analysis. Computer Graphics Forum, 2018, 37, 5-19.	3.0	2

#	ARTICLE	IF	CITATIONS
217	Malignant Peritoneal Mesothelioma With EWSR1-ATF1 Fusion: A Case Report. JTO Clinical and Research Reports, 2021, 2, 100236.	1.1	2
218	Multi-modality Information Fusion for Radiomics-Based Neural Architecture Search. Lecture Notes in Computer Science, 2020, , 763-771.	1.3	2
219	Predicting distant metastases in soft-tissue sarcomas from PET-CT scans using constrained hierarchical multi-modality feature learning. Physics in Medicine and Biology, 2021, 66, 245004.	3.0	2
220	Biomarker clustering in autosomal dominant Alzheimer's disease. Alzheimer's and Dementia, 2023, 19, 274-284.	0.8	2
221	Lepidic Spread of Primary Lung Adenocarcinoma on FDG-PET. Clinical Nuclear Medicine, 2004, 29, 206-208.	1.3	1
222	Vaginal Melanoma Mimicking Bladder FDG Activity in a Patient With Chronic Renal Failure. Clinical Nuclear Medicine, 2005, 30, 453-454.	1.3	1
223	Development of an Electronic Medical Report Delivery System to 3G GSM Mobile (Cellular) Phones for a Medical Imaging Department. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, 2007, 6727-30.	0.5	1
224	Enhanced parameter estimation methods for noisy SPECT data. Computer Methods and Programs in Biomedicine, 2008, 89, 102-111.	4.7	1
225	The impact of PET-CT in suspected recurrent ovarian cancer: A prospective multi-centre study as part of the Australian PET Data Collection Project: Response to a letter from Dr. Maurie Markman. Gynecologic Oncology, 2009, 114, 536-537.	1.4	1
226	Recent Software Developments and Applications in Functional Imaging. Current Pharmaceutical Biotechnology, 2012, 13, 2166-2181.	1.6	1
227	Susac's syndrome. Journal of the Neurological Sciences, 2012, 314, 183.	0.6	1
228	Adrenal lesions detection on low-contrast CT images using fully convolutional networks with multi-scale integration. , 2017, , .		1
229	Multi-view collaborative segmentation for prostate MRI images. , 2017, 2017, 3529-3532.		1
230	Impact of salvage treatment modalities in patients with positive FDGâ€PET/CT after Râ€CHOP chemotherapy for aggressive Bâ€cell nonâ€Hodgkin lymphoma. Journal of Medical Imaging and Radiation Oncology, 2018, 62, 432-439.	1.8	1
231	Cross-cohort dementia identification using transfer learning with FDG-PET imaging. , 2018, , .		1
232	Biomedical image visualization and display technologies. , 2020, , 561-583.		1
233	Imaging of patients with multiple myeloma and associated plasma cell disorders: consensus practice statement by the Medical Scientific Advisory Group to Myeloma Australia. Internal Medicine Journal, 2021, 51, 1707-1712.	0.8	1
234	REGION AND LEARNING BASED RETRIEVAL FOR MULTI-MODALITY MEDICAL IMAGES. , 2010, , .		1

#	ARTICLE	IF	CITATIONS
235	Region and Learning based Retrieval for Multi-Modality Medical Images. , 2011, , .		1
236	An Intraocular Thymic Metastasis Identified on 18F-FDG PET/CT Before and After Treatment. Clinical Nuclear Medicine, 2021, 46, 240-242.	1.3	1
237	KINETIC MODELLING OF NICOTINIC ACETYLCHOLINE RECEPTORS WITH 5-[123I]IODO-A-85380 AND DYNAMIC SINGLE-PHOTON EMISSION COMPUTED TOMOGRAPHY. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2002, 35, 121-126.	0.4	0
238	Quantification of 5-[123I]IODO-A-85380 in nonhuman primates using SPECT: Parameter identifiability and stability. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2003, 36, 185-190.	0.4	0
239	A STUDY OF PARTIAL VOLUME EFFECTS ON CLUSTERING-AIDED PARAMETRIC IMAGES. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2006, 39, 261-266.	0.4	0
240	Adaptive fuzzy clustering in constructing parametric images for low SNR functional imaging. , 2008, , .		0
241	Interactive point-of-interest volume rendering visualization of PET-CT data. , 2008, , .		0
242	FEATURE-CENTRIC LESION DETECTION AND RETRIEVAL IN THORACIC IMAGES. Series in Computer Vision, 2014, , 75-94.	0.1	0
243	Automated thresholded region classification using a robust feature selection method for PET-CT. , 2015, , .		0
244	A Locally Constrained Random Walk Approach for Airway Segmentation of Low-Contrast Computed Tomography (CT) Image. , 2015, , .		0
245	An intuitive Sketch-based Transfer Function Design via Contextual and Regional Labelling. , 2016, , .		0
246	Topology-guided deformable registration with local importance preservation for biomedical images. Physics in Medicine and Biology, 2018, 63, 015028.	3.0	0
247	043â€¦Rheumatoid leptomenigitis: an acute presentation of neuropsychiatric disturbance. Journal of Neurology, Neurosurgery and Psychiatry, 2018, 89, A18.1-A18.	1.9	0
248	Image-based biomedical data modeling and parametric imaging. , 2020, , 461-521.		0
249	082â€¦Fulminant ADEM mimicking a glial tumour. , 2021, , .		0
250	069â€¦A putative mechanism for subcortical aphasia. , 2021, , .		0
251	Diaschisis: a mechanism for subcortical aphasia?. Journal of Neurology, 2021, , 1.	3.6	0
252	FDG PET-CT in Primary Staging and Management of Hodgkin Lymphoma (HL) and Non-Hodgkin Lymphoma (NHL): Experience in 465 Consecutive Patients.. Blood, 2006, 108, 2398-2398.	1.4	0

#	ARTICLE	IF	CITATIONS
253	Lenalidomide Consolidation Added to Rituximab Maintenance Therapy in Patients Remaining PET Positive after Treatment for Relapsed Follicular Lymphoma: Phase 2 Australasian Leukaemia & Lymphoma Group NHL26 Study. <i>Blood</i> , 2021, 138, 2428-2428.	1.4	0
254	Developing a protocol for neuroimaging to investigate brain ageing and dementia in collaboration with aboriginal Australian communities. <i>Alzheimer's and Dementia</i> , 2021, 17, .	0.8	0
255	Spinal Cord Presentation of Biopsy-Proven PET-Positive Giant Cell Arteritis. <i>Neurology</i> , 2022, , 10.1212/WNL.0000000000200749.	1.1	0