

Yangming Ou

List of Publications by Year in descending order

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Version: 2024-02-01

71
papers

3,241
citations

304368
22
h-index

161609
54
g-index

75
all docs

75
docs citations

75
times ranked

5145
citing authors

#	ARTICLE	IF	CITATIONS
1	Evaluation of prostate segmentation algorithms for MRI: The PROMISE12 challenge. Medical Image Analysis, 2014, 18, 359-373.	7.0	469
2	DRAMMS: Deformable registration via attribute matching and mutual-saliency weighting. Medical Image Analysis, 2011, 15, 622-639.	7.0	335
3	Radiomics in Brain Tumor: Image Assessment, Quantitative Feature Descriptors, and Machine-Learning Approaches. American Journal of Neuroradiology, 2018, 39, 208-216.	1.2	281
4	MUSE: MULTI-atlas region Segmentation utilizing Ensembles of registration algorithms and parameters, and locally optimal atlas selection. NeuroImage, 2016, 127, 186-195.	2.1	210
5	Multi-Atlas Skull-Stripping. Academic Radiology, 2013, 20, 1566-1576.	1.3	196
6	Right ventricle segmentation from cardiac MRI: A collation study. Medical Image Analysis, 2015, 19, 187-202.	7.0	189
7	Multiparametric Tissue Characterization of Brain Neoplasms and Their Recurrence Using Pattern Classification of MR Images. Academic Radiology, 2008, 15, 966-977.	1.3	171
8	Comparative Evaluation of Registration Algorithms in Different Brain Databases With Varying Difficulty: Results and Insights. IEEE Transactions on Medical Imaging, 2014, 33, 2039-2065.	5.4	144
9	Integration and relative value of biomarkers for prediction of MCI to AD progression: Spatial patterns of brain atrophy, cognitive scores, APOE genotype and CSF biomarkers. NeuroImage: Clinical, 2014, 4, 164-173.	1.4	112
10	Cancer imaging phenomics toolkit: quantitative imaging analytics for precision diagnostics and predictive modeling of clinical outcome. Journal of Medical Imaging, 2018, 5, 1.	0.8	110
11	Infant FreeSurfer: An automated segmentation and surface extraction pipeline for T1-weighted neuroimaging data of infants 0â€“2 years. NeuroImage, 2020, 218, 116946.	2.1	96
12	Registering Histologic and MR Images of Prostate for Image-based Cancer Detection. Academic Radiology, 2007, 14, 1367-1381.	1.3	75
13	Phase II study of tivozanib, an oral VEGFR inhibitor, in patients with recurrent glioblastoma. Journal of Neuro-Oncology, 2017, 131, 603-610.	1.4	69
14	Neuroanatomical pattern classification in a population-based sample of first-episode schizophrenia. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2013, 43, 116-125.	2.5	52
15	Global-Local Transformer for Brain Age Estimation. IEEE Transactions on Medical Imaging, 2022, 41, 213-224.	5.4	51
16	Neuroanatomical Classification in a Population-Based Sample of Psychotic Major Depression and Bipolar I Disorder with 1 Year of Diagnostic Stability. BioMed Research International, 2014, 2014, 1-9.	0.9	44
17	Evaluation of MRI to Ultrasound Registration Methods for Brain Shift Correction: The CuRIOUS2018 Challenge. IEEE Transactions on Medical Imaging, 2020, 39, 777-786.	5.4	42
18	Using clinically acquired MRI to construct age-specific ADC atlases: Quantifying spatiotemporal ADC changes from birth to 6-year old. Human Brain Mapping, 2017, 38, 3052-3068.	1.9	31

#	ARTICLE	IF	CITATIONS
19	Automatic Categorization and Scoring of Solid, Part-Solid and Non-Solid Pulmonary Nodules in CT Images with Convolutional Neural Network. Scientific Reports, 2017, 7, 8533.	1.6	31
20	Deformable registration for quantifying longitudinal tumor changes during neoadjuvant chemotherapy. Magnetic Resonance in Medicine, 2015, 73, 2343-2356.	1.9	30
21	Multi-channel attention-fusion neural network for brain age estimation: Accuracy, generality, and interpretation with 16,705 healthy MRIs across lifespan. Medical Image Analysis, 2021, 72, 102091.	7.0	30
22	ABCD1 dysfunction alters white matter microvascular perfusion. Brain, 2017, 140, 3139-3152.	3.7	24
23	DRAMMS: Deformable Registration via Attribute Matching and Mutual-Saliency Weighting. Lecture Notes in Computer Science, 2009, 21, 50-62.	1.0	23
24	Multicenter validation of prostate tumor localization using multiparametric <scp>MRI</scp> and prior knowledge. Medical Physics, 2017, 44, 949-961.	1.6	23
25	Sampling the spatial patterns of cancer: Optimized biopsy procedures for estimating prostate cancer volume and Gleason Score. Medical Image Analysis, 2009, 13, 609-620.	7.0	22
26	Fully Automatic Arteriovenous Segmentation in Retinal Images via Topology-Aware Generative Adversarial Networks. Interdisciplinary Sciences, Computational Life Sciences, 2020, 12, 323-334.	2.2	22
27	PROBABILISTIC SEGMENTATION OF BRAIN TUMORS BASED ON MULTI-MODALITY MAGNETIC RESONANCE IMAGES. , 2007, , .		21
28	Simultaneous Geometric - Iconic Registration. Lecture Notes in Computer Science, 2010, 13, 676-683.	1.0	21
29	Field of View Normalization in Multi-Site Brain MRI. Neuroinformatics, 2018, 16, 431-444.	1.5	20
30	Voxelwise and Regional Brain Apparent Diffusion Coefficient Changes on MRI from Birth to 6 Years of Age. Radiology, 2021, 298, 415-424.	3.6	19
31	Non-rigid registration between histological and MR images of the prostate: A joint segmentation and registration framework. , 2009, , .		18
32	Putative protective neural mechanisms in prereaders with a family history of dyslexia who subsequently develop typical reading skills. Human Brain Mapping, 2020, 41, 2827-2845.	1.9	17
33	Deformable MRI-Ultrasound registration using correlation-based attribute matching for brain shift correction: Accuracy and generality in multi-site data. NeuroImage, 2019, 202, 116094.	2.1	16
34	Perioperatively Inhaled Hydrogen Gas Diminishes Neurologic Injury Following Experimental Circulatory Arrest in Swine. JACC Basic To Translational Science, 2019, 4, 176-187.	1.9	15
35	Maternal Dietary Intake of Omega-3 Fatty Acids Correlates Positively with Regional Brain Volumes in 1-Month-Old Term Infants. Cerebral Cortex, 2020, 30, 2057-2069.	1.6	15
36	Mining multi-site clinical data to develop machine learning MRI biomarkers: application to neonatal hypoxic ischemic encephalopathy. Journal of Translational Medicine, 2019, 17, 385.	1.8	14

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37	Brain extraction in pediatric ADC maps, toward characterizing neuro-development in multi-platform and multi-institution clinical images. NeuroImage, 2015, 122, 246-261.	2.1	13
38	Achieving Accurate Segmentation of Nasopharyngeal Carcinoma in MR Images Through Recurrent Attention. Lecture Notes in Computer Science, 2019, , 494-502.	1.0	13
39	How Machine Learning is Powering Neuroimaging to Improve Brain Health. Neuroinformatics, 2022, 20, 943-964.	1.5	13
40	Functional Connectivity in Infancy and Toddlerhood Predicts Long-Term Language and Preliteracy Outcomes. Cerebral Cortex, 2022, 32, 725-736.	1.6	12
41	Quantitative Apparent Diffusion Coefficient Mapping May Predict Seizure Onset in Children With Sturge-Weber Syndrome. Pediatric Neurology, 2018, 84, 32-38.	1.0	11
42	Probing tumor microenvironment in patients with newly diagnosed glioblastoma during chemoradiation and adjuvant temozolomide with functional MRI. Scientific Reports, 2018, 8, 17062.	1.6	11
43	Validation of DRAMMS among 12 Popular Methods in Cross-Subject Cardiac MRI Registration. Lecture Notes in Computer Science, 2012, 7359, 209-219.	1.0	11
44	SIMULTANEOUS ESTIMATION AND SEGMENTATION OF T1 MAP FOR BREAST PARENCHYMA MEASUREMENT. , 2007, , .		10
45	Maternal Childhood Maltreatment Is Associated With Lower Infant Gray Matter Volume and Amygdala Volume During the First Two Years of Life. Biological Psychiatry Global Open Science, 2022, 2, 440-449.	1.0	10
46	Methodology to study the three-dimensional spatial distribution of prostate cancer and their dependence on clinical parameters. Journal of Medical Imaging, 2015, 2, 037502.	0.8	7
47	Editorial: Artificial Intelligence for Medical Image Analysis of Neuroimaging Data. Frontiers in Neuroscience, 2020, 14, 480.	1.4	7
48	Quantification of magnetic resonance spectroscopy data using a combined reference: Application in typically developing infants. NMR in Biomedicine, 2021, 34, e4520.	1.6	7
49	Brain Age Estimation Using LSTM on Children's Brain MRI. , 2020, 2020, 420-423.		6
50	Temporal Shape Analysis via the Spectral Signature. Lecture Notes in Computer Science, 2012, 15, 49-56.	1.0	6
51	Detecting mutually-salient landmark pairs with MRF regularization. , 2010, , .		5
52	Deformable MRI-Ultrasound Registration via Attribute Matching and Mutual-Saliency Weighting for Image-Guided Neurosurgery. Lecture Notes in Computer Science, 2018, , 165-171.	1.0	5
53	Human Fetal Brain Magnetic Resonance Imaging (MRI) Tells Future Emergence of Autism Spectrum Disorders. FASEB Journal, 2022, 36, .	0.2	5
54	A Collaborative Dictionary Learning Model for Nasopharyngeal Carcinoma Segmentation on Multimodalities MR Sequences. Computational and Mathematical Methods in Medicine, 2020, 2020, 1-15.	0.7	4

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55	Non-rigid registration between histological and MR images of the prostate: A joint segmentation and registration framework. , 2009, , .		4
56	Assessment of Maternal Macular Pigment Optical Density (MPOD) as a Potential Marker for Dietary Carotenoid Intake during Lactation in Humans. <i>Nutrients</i> , 2022, 14, 182.	1.7	3
57	Deep learning of birth-related infant clavicle fractures: a potential virtual consultant for fracture dating. <i>Pediatric Radiology</i> , 2022, 52, 2206-2214.	1.1	3
58	Multiparametric Processing of Serial MRI during Radiation Therapy of Brain Tumors: â€˜Finishing with FLAIR?â€™. <i>International Journal of Radiation Oncology Biology Physics</i> , 2011, 81, S794.	0.4	2
59	eCurves: A Temporal Shape Encoding. <i>IEEE Transactions on Biomedical Engineering</i> , 2018, 65, 733-744.	2.5	2
60	Localizing central swallowing functions by combining non-invasive brain stimulation with neuroimaging. <i>Brain Stimulation</i> , 2020, 13, 1207-1210.	0.7	2
61	Multi-Scale Feature Fusion Convolutional Neural Network for Concurrent Segmentation of Left Ventricle and Myocardium in Cardiac MR Images. <i>Journal of Medical Imaging and Health Informatics</i> , 2020, 10, 1023-1032.	0.2	2
62	Study protocol: retrospectively mining multisite clinical data to presymptomatically predict seizure onset for individual patients with Sturge-Weber. <i>BMJ Open</i> , 2022, 12, e053103.	0.8	2
63	Increased Breastfeeding Proportion Is Associated with Improved Gross Motor Skills at 3â€™5 Years of Age: A Pilot Study. <i>Nutrients</i> , 2022, 14, 2215.	1.7	2
64	Quantification of tumor changes during neoadjuvant chemotherapy with longitudinal breast DCE-MRI registration. , 2015, , .		1
65	Phase II study of tivozanib, an oral VEGFR inhibitor, in patients with recurrent glioblastoma.. <i>Journal of Clinical Oncology</i> , 2015, 33, 2025-2025.	0.8	1
66	A Role for Data Science in Precision Nutrition and Early Brain Development. <i>Frontiers in Psychiatry</i> , 0, 13, .	1.3	1
67	NIMG-29RADIOLABELED TEMOZOLOMIDE CAN MEASURE BEVACIZUMAB INDUCED VASCULAR MODULATION IN PATIENTS WITH RECURRENT GBM. <i>Neuro-Oncology</i> , 2015, 17, v160.1-v160.	0.6	0
68	NIMG-22. MRI CHANGES IN NEWLY DIAGNOSED GLIOBLASTOMA DURING CHEMORADIATION AND ADJUVANT TEMOZOLOMIDE. <i>Neuro-Oncology</i> , 2016, 18, vi128-vi129.	0.6	0
69	NIMG-42. PENETRATION OF RADIOLABELED TEMOZOLOMIDE CORRELATES WITH CONTRAST ENHANCEMENT IN PATIENTS WITH RECURRENT GBM TREATED WITH BEVACIZUMAB. <i>Neuro-Oncology</i> , 2016, 18, vi133-vi133.	0.6	0
70	Longitudinal diffusion MRI in PCNSL treated with methotrexate, rituximab, and temozolomide (MRT).. <i>Journal of Clinical Oncology</i> , 2014, 32, 8579-8579.	0.8	0
71	Machine Learning to Predict ICU Admission, ICU Mortality and Survivorsâ€™ Length of Stay Among COVID-19 Patients: Toward Optimal Allocation of ICU Resources. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0