Jurgen Fripp

List of Publications by Year
in descending order

187 papers	6,611 citations	101496 36 h-index	79644 73 g-index
202 all docs	202 docs citations	202 times ranked	9510 citing authors

#	Article	IF	Citations
1	Amyloid imaging results from the Australian Imaging, Biomarkers and Lifestyle (AIBL) study of aging. Neurobiology of Aging, 2010, 31, 1275-1283.	1.5	885
2	An Atlas-Based Electron Density Mapping Method for Magnetic Resonance Imaging (MRI)-Alone Treatment Planning and Adaptive MRI-Based Prostate Radiation Therapy. International Journal of Radiation Oncology Biology Physics, 2012, 83, e5-e11.	0.4	275
3	Harmonization of large MRI datasets for the analysis of brain imaging patterns throughout the lifespan. NeuroImage, 2020, 208, 116450.	2.1	260
4	Symmetric diffeomorphic registration of fibre orientation distributions. NeuroImage, 2011, 56, 1171-1180.	2.1	229
5	Cerebral quantitative susceptibility mapping predicts amyloid-β-related cognitive decline. Brain, 2017, 140, 2112-2119.	3.7	213
6	A novel mesh processing based technique for 3D plant analysis. BMC Plant Biology, 2012, 12, 63.	1.6	189
7	MRI signatures of brain age and disease over the lifespan based on a deep brain network and 14â€‰468 individuals worldwide. Brain, 2020, 143, 2312-2324.	3.7	183
8	Cross-sectional and Longitudinal Analysis of the Relationship Between Aβ Deposition, Cortical Thickness, and Memory in Cognitively Unimpaired Individuals and in Alzheimer Disease. JAMA Neurology, 2013, 70, 903.	4.5	170
9	Automatic Segmentation and Quantitative Analysis of the Articular Cartilages From Magnetic Resonance Images of the Knee. IEEE Transactions on Medical Imaging, 2010, 29, 55-64.	5.4	158
10	Ea-GANs: Edge-Aware Generative Adversarial Networks for Cross-Modality MR Image Synthesis. IEEE Transactions on Medical Imaging, 2019, 38, 1750-1762.	5.4	158
11	Automatic Substitute Computed Tomography Generation and Contouring for Magnetic Resonance Imaging (MRI)-Alone External Beam Radiation Therapy From Standard MRI Sequences. International Journal of Radiation Oncology Biology Physics, 2015, 93, 1144-1153.	0.4	151
12	Lesion segmentation from multimodal MRI using random forest following ischemic stroke. NeuroImage, 2014, 98, 324-335.	2.1	139
13	Risk prediction of late-onset Alzheimerâ€™s disease implies an oligogenic architecture. Nature Communications, 2020, 11, 4799.	5.8	110
14	A systematic review of structural MRI biomarkers in autism spectrum disorder: A machine learning perspective. International Journal of Developmental Neuroscience, 2018, 71, 68-82.	0.7	102
15	Comparison of MR-less PiB SUVR quantification methods. Neurobiology of Aging, 2015, 36, S159-S166.	1.5	96
16	Automatic segmentation of the bone and extraction of the boneâ€"cartilage interface from magnetic resonance images of the knee. Physics in Medicine and Biology, 2007, 52, 1617-1631.	1.6	94
17	Implementing the centiloid transformation for 11C-PiB and β-amyloid 18F-PET tracers using CapAIBL. NeuroImage, 2018, 183, 387-393.	2.1	94
18	The Brain Chart of Aging: Machineâ€"learning analytics reveals links between brain aging, white matter disease, amyloid burden, and cognition in the iSTAGING consortium of 10,216 harmonized MR scans. Alzheimer's and Dementia, 2021, 17, 89-102.	0.4	92

#	Article	IF	Citations
19	Automated detection, 3D segmentation and analysis of high resolution spine MR images using statistical shape models. Physics in Medicine and Biology, 2012, 57, 8357-8376.	1.6	90
20	Basal forebrain atrophy correlates with amyloid β burden in Alzheimer's disease. NeuroImage: Clinical, 2015, 7, 105-113.	1.4	89
21	Automated voxel-based 3D cortical thickness measurement in a combined Lagrangian–Eulerian PDE approach using partial volume maps. Medical Image Analysis, 2009, 13, 730-743.	7.0	88
22	Detecting global and local hippocampal shape changes in Alzheimer's disease using statistical shape models. NeuroImage, 2012, 59, 2155-2166.	2.1	82
23	Appearance modeling of 11C PiB PET images: Characterizing amyloid deposition in Alzheimer's disease, mild cognitive impairment and healthy aging. NeuroImage, 2008, 43, 430-439.	2.1	81
24	Patient Specific Prostate Segmentation in 3-D Magnetic Resonance Images. IEEE Transactions on Medical Imaging, 2012, 31, 1955-1964.	5.4	77
25	Effectiveness of *Curcuma longa* Extract for the Treatment of Symptoms and Effusion–Synovitis of Knee Osteoarthritis. Annals of Internal Medicine, 2020, 173, 861-869.	2.0	68
26	Assessing atrophy measurement techniques in dementia: Results from the MIRIAD atrophy challenge. NeuroImage, 2015, 123, 149-164.	2.1	63
27	Evaluation and comparison of 3D intervertebral disc localization and segmentation methods for 3D T2 MR data: A grand challenge. Medical Image Analysis, 2017, 35, 327-344.	7.0	59
28	Fifteen Years of the Australian Imaging, Biomarkers and Lifestyle (AIBL) Study: Progress and Observations from 2,359 Older Adults Spanning the Spectrum from Cognitive Normality to Alzheimer's Disease. Journal of Alzheimer's Disease Reports, 2021, 5, 443-468.	1.2	59
29	Focused shape models for hip joint segmentation in 3D magnetic resonance images. Medical Image Analysis, 2014, 18, 567-578.	7.0	58
30	Automated bone segmentation from large field of view 3D MR images of the hip joint. Physics in Medicine and Biology, 2013, 58, 7375-7390.	1.6	57
31	Statistical machine learning to identify traumatic brain injury (TBI) from structural disconnections of white matter networks. NeuroImage, 2016, 129, 247-259.	2.1	56
32	3D cGAN based cross-modality MR image synthesis for brain tumor segmentation. , 2018, , .		53
33	Fixel-based analysis reveals alterations is brain microstructure and macrostructure of preterm-born infants at term equivalent age. NeuroImage: Clinical, 2018, 18, 51-59.	1.4	52
34	Comparison of ^{18}F–florbetaben quantification results using the standard Centiloid, MR–based, and MR–less CapAIBL[®] approaches: Validation against histopathology. Alzheimer's and Dementia, 2019, 15, 807-816.	0.4	50
35	Robust inverse-consistent affine CT–MR registration in MRI-assisted and MRI-alone prostate radiation therapy. Medical Image Analysis, 2015, 23, 56-69.	7.0	49
36	A magnetic resonance imaging–based workflow for planning radiation therapy for prostate cancer. Medical Journal of Australia, 2011, 194, S24-7.	0.8	44

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37	MR-Less Surface-Based Amyloid Assessment Based on 11C PiB PET. PLoS ONE, 2014, 9, e84777.	1.1	43
38	Predicting motor outcome in preterm infants from very early brain diffusion MRI using a deep learning convolutional neural network (CNN) model. NeuroImage, 2020, 215, 116807.	2.1	41
39	Structural core of the executive control network: A high angular resolution diffusion MRI study. Human Brain Mapping, 2020, 41, 1226-1236.	1.9	40
40	MR image segmentation of the knee bone using phase information. Medical Image Analysis, 2007, 11, 325-335.	7.0	38
41	Deep Generative Medical Image Harmonization for Improving Cross€Site Generalization in Deep Learning Predictors. Journal of Magnetic Resonance Imaging, 2022, 55, 908-916.	1.9	38
42	A deep learning framework identifies dimensional representations of Alzheimer's Disease from brain structure. Nature Communications, 2021, 12, 7065.	5.8	38
43	Automated segmentation and analysis of normal and osteoarthritic knee menisci from magnetic resonance images â€" data from the Osteoarthritis Initiative. Osteoarthritis and Cartilage, 2014, 22, 1259-1270.	0.6	37
44	MRI-alone radiation therapy planning for prostate cancer: Automatic fiducial marker detection. Medical Physics, 2016, 43, 2218-2228.	1.6	37
45	Increased cerebral blood flow with increased amyloid burden in the preclinical phase of alzheimer's disease. Journal of Magnetic Resonance Imaging, 2020, 51, 505-513.	1.9	35
46	Association of β-Amyloid Level, Clinical Progression, and Longitudinal Cognitive Change in Normal Older Individuals. Neurology, 2021, 96, e662-e670.	1.5	34
47	Automatic hip cartilage segmentation from 3D MR images using arc-weighted graph searching. Physics in Medicine and Biology, 2014, 59, 7245-7266.	1.6	33
48	Investigating brain connectivity heritability in a twin study using diffusion imaging data. NeuroImage, 2014, 100, 628-641.	2.1	33
49	Validation of an MRI Brain Injury and Growth Scoring System in Very Preterm Infants Scanned at 29- to 35-Week Postmenstrual Age. American Journal of Neuroradiology, 2017, 38, 1435-1442.	1.2	32
50	MRI white matter lesion segmentation using an ensemble of neural networks and overcomplete patch-based voting. Computerized Medical Imaging and Graphics, 2018, 69, 43-51.	3.5	32
51	Association of deficits in short-term learning and Aβ and hippocampal volume in cognitively normal adults. Neurology, 2020, 95, e2577-e2585.	1.5	31
52	Relationship between amyloid and tau levels and its impact on tau spreading. European Journal of Nuclear Medicine and Molecular Imaging, 2021, 48, 2225-2232.	3.3	30
53	PPREMO: a prospective cohort study of preterm infant brain structure and function to predict neurodevelopmental outcome. BMC Pediatrics, 2015, 15, 123.	0.7	29
54	Comparison of 3D bone models of the knee joint derived from CT and 3T MR imaging. European Journal of Radiology, 2017, 93, 178-184.	1.2	29

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55	Three-dimensional morphological and signal intensity features for detection of intervertebral disc degeneration from magnetic resonance images. Journal of the American Medical Informatics Association: JAMIA, 2013, 20, 1082-1090.	2.2	28
56	Basal Forebrain Atrophy Contributes to Allocentric Navigation Impairment in Alzheimer's Disease Patients. Frontiers in Aging Neuroscience, 2015, 7, 185.	1.7	28
57	Relationship between very early brain structure and neuromotor, neurological and neurobehavioral function in infants born <31 weeks gestational age. Early Human Development, 2018, 117, 74-82.	0.8	28
58	Topology-corrected segmentation and local intensity estimates for improved partial volume classification of brain cortex in MRI. Journal of Neuroscience Methods, 2010, 188, 305-315.	1.3	26
59	Segmentation of the quadratus lumborum muscle using statistical shape modeling. Journal of Magnetic Resonance Imaging, 2011, 33, 1422-1429.	1.9	25
60	Automated 11C-PiB Standardized Uptake Value Ratio. Academic Radiology, 2008, 15, 1376-1389.	1.3	24
61	3D Scanning System for Automatic High-Resolution Plant Phenotyping. , 2016, , .		24
62	DeepCSR: A 3D Deep Learning Approach for Cortical Surface Reconstruction. , 2021, , .		23
63	Sample-Adaptive GANs: Linking Global and Local Mappings for Cross-Modality MR Image Synthesis. IEEE Transactions on Medical Imaging, 2020, 39, 2339-2350.	5.4	22
64	SA-LuT-Nets: Learning Sample-Adaptive Intensity Lookup Tables for Brain Tumor Segmentation. IEEE Transactions on Medical Imaging, 2021, 40, 1417-1427.	5.4	22
65	Fast Automatic Multi-atlas Segmentation of the Prostate from 3D MR Images. Lecture Notes in Computer Science, 2011, , 10-21.	1.0	21
66	Rates of age-and amyloid β-associated cortical atrophy in older adults with superior memory performance. Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring, 2019, 11, 566-575.	1.2	21
67	Longitudinal evaluation of the natural history of amyloid-β in plasma and brain. Brain Communications, 2020, 2, fcaa041.	1.5	21
68	Validity and reliability of computerized measurement of lumbar intervertebral disc height and volume from magnetic resonance images. Spine Journal, 2014, 14, 2773-2781.	0.6	20
69	Longitudinal deformation models, spatial regularizations and learning strategies to quantify Alzheimer's disease progression. NeuroImage: Clinical, 2014, 4, 718-729.	1.4	20
70	Quantifying deep grey matter atrophy using automated segmentation approaches: A systematic review of structural MRI studies. NeuroImage, 2019, 201, 116018.	2.1	20
71	Automatic Segmentation of Articular Cartilage in Magnetic Resonance Images of the Knee. , 2007, 10, 186-194.		19
72	Automatic bone segmentation and bone-cartilage interface extraction for the shoulder joint from magnetic resonance images. Physics in Medicine and Biology, 2015, 60, 1441-1459.	1.6	19

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73	The need for improved brain lesion segmentation techniques for children with cerebral palsy: A review. International Journal of Developmental Neuroscience, 2015, 47, 229-246.	0.7	19
74	Plasma transferrin and hemopexin are associated with altered AÎ² uptake and cognitive decline in Alzheimerâ€™s disease pathology. Alzheimer's Research and Therapy, 2020, 12, 72.	3.0	19
75	A prospective cohort study of prodromal Alzheimerâ€™s disease: Prospective Imaging Study of Ageing: Genes, Brain and Behaviour (PISA). NeuroImage: Clinical, 2021, 29, 102527.	1.4	19
76	Increasing Power to Predict Mild Cognitive Impairment Conversion to Alzheimerâ€™s Disease Using Hippocampal Atrophy Rate and Statistical Shape Models. Lecture Notes in Computer Science, 2010, 13, 125-132.	1.0	18
77	Segmentation of the Bones in MRIs of the Knee Using Phase, Magnitude, and Shape Information. Academic Radiology, 2007, 14, 1201-1208.	1.3	17
78	Cortical surface mapping using topology correction, partial flattening and 3D shape context-based non-rigid registration for use in quantifying atrophy in Alzheimer's disease. Journal of Neuroscience Methods, 2012, 205, 96-109.	1.3	17
79	Brain microstructure and morphology of very preterm-born infants at term equivalent age: Associations with motor and cognitive outcomes at 1 and 2 years. NeuroImage, 2020, 221, 117163.	2.1	17
80	Higher Coffee Consumption Is Associated With Slower Cognitive Decline and Less Cerebral AÎ²-Amyloid Accumulation Over 126 Months: Data From the Australian Imaging, Biomarkers, and Lifestyle Study. Frontiers in Aging Neuroscience, 2021, 13, 744872.	1.7	17
81	Automated 3D Segmentation and Analysis of Cotton Plants. , 2011, , .		16
82	PREMM: preterm early massage by the mother: protocol of a randomised controlled trial of massage therapy in very preterm infants. BMC Pediatrics, 2016, 16, 146.	0.7	16
83	Quantifiable Imaging Biomarkers for Evaluation of the Posterior Cruciate Ligament Using 3-T Magnetic Resonance Imaging. Orthopaedic Journal of Sports Medicine, 2016, 4, 232596711663904.	0.8	16
84	Using imputation to provide harmonized longitudinal measures of cognition across AIBL and ADNI. Scientific Reports, 2021, 11, 23788.	1.6	16
85	Multi T1-weighted contrast MRI with fluid and white matter suppression at 1.5â€‰T. Magnetic Resonance Imaging, 2019, 63, 217-225.	1.0	15
86	A fixelâ€based analysis of microâ€•and macroâ€structural changes to white matter following adult traumatic brain injury. Human Brain Mapping, 2020, 41, 2187-2197.	1.9	15
87	Non-negative matrix factorisation improves Centiloid robustness in longitudinal studies. NeuroImage, 2021, 226, 117593.	2.1	15
88	MR-Less High Dimensional Spatial Normalization of 11C PiB PET Images on a Population of Elderly, Mild Cognitive Impaired and Alzheimer Disease Patients. Lecture Notes in Computer Science, 2008, 11, 442-449.	1.0	15
89	Automated 3D quantitative assessment and measurement of alpha angles from the femoral head-neck junction using MR imaging. Physics in Medicine and Biology, 2015, 60, 7601-7616.	1.6	14
90	Automated analysis of hip joint cartilage combining MR T2 and threeâ€dimensional fastâ€spinâ€echo images. Magnetic Resonance in Medicine, 2016, 75, 403-413.	1.9	14

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91	Heritability and genetic correlation between the cerebral cortex and associated white matter connections. Human Brain Mapping, 2016, 37, 2331-2347.	1.9	14
92	Reduced cortical cholinergic innervation measured using [18F]-FEOBV PET imaging correlates with cognitive decline in mild cognitive impairment. NeuroImage: Clinical, 2022, 34, 102992.	1.4	14
93	Plasma p217+tau versus NAV4694 amyloid and MK6240 tau PET across the Alzheimer's continuum. Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring, 2022, 14, e12307.	1.2	14
94	Non-linear realignment improves hippocampus subfield segmentation reliability. NeuroImage, 2019, 203, 116206.	2.1	13
95	Extent of altered white matter in unilateral and bilateral periventricular white matter lesions in children with unilateral cerebral palsy. Research in Developmental Disabilities, 2016, 55, 368-376.	1.2	12
96	A lightweight rapid application development framework for biomedical image analysis. Computer Methods and Programs in Biomedicine, 2018, 164, 193-205.	2.6	12
97	Efficient brain lesion segmentation using multi‐modality tissue‐based feature selection and support vector machines. International Journal for Numerical Methods in Biomedical Engineering, 2013, 29, 905-915.	1.0	11
98	Fast automated segmentation of multiple objects via spatially weighted shape learning. Physics in Medicine and Biology, 2016, 61, 8070-8084.	1.6	11
99	Comparisons of neurodegeneration over time between healthy ageing and Alzheimer's disease cohorts via Bayesian inference. BMJ Open, 2017, 7, e012174.	0.8	11
100	Dementia with lewy bodies: Severe impairment of real-space navigation skills examined with human analogue of morris water maze and their structural underpinnings. Journal of the Neurological Sciences, 2017, 381, 83-84.	0.3	11
101	Prediction of childhood brain outcomes in infants born preterm using neonatal MRI and concurrent clinical biomarkers (PREBO-6): study protocol for a prospective cohort study. BMJ Open, 2020, 10, e036480.	0.8	11
102	3D Statistical Shape Models to Embed Spatial Relationship Information. Lecture Notes in Computer Science, 2005, , 51-60.	1.0	11
103	High‐resolution multi‐T_1‐weighted contrast and T_1 mapping with low sensitivity using the fluid and white matter suppression (FLAWS) sequence at 7T. Magnetic Resonance in Medicine, 2021, 85, 1364-1378.	1.9	10
104	Structure-Guided Nonrigid Registration of CT‐MR Pelvis Scans with Large Deformations in MR-Based Image Guided Radiation Therapy. Lecture Notes in Computer Science, 2014, , 65-73.	1.0	10
105	Automated T2-mapping of the Menisci From Magnetic Resonance Images in Patients with Acute Knee Injury. Academic Radiology, 2017, 24, 1295-1304.	1.3	9
106	Protocol for a multisite randomised trial of Hand‐Arm Bimanual Intensive Training Including Lower Extremity training for children with bilateral cerebral palsy: HABIT-ILE Australia. BMJ Open, 2019, 9, e032194.	0.8	9
107	Early clinical and MRI biomarkers of cognitive and motor outcomes in very preterm born infants. Pediatric Research, 2021, 90, 1243-1250.	1.1	9
108	Trans-ResNet: Integrating Transformers and CNNs for Alzheimer's disease classification. , 2022, , .		9

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109	Automated segmentation of the menisci from MR images. , 2009, , .		8
110	MilxXplore: a web-based system to explore large imaging datasets. Journal of the American Medical Informatics Association: JAMIA, 2013, 20, 1046-1052.	2.2	8
111	Computational analysis of PET by AIBL (CapAIBL): a cloud-based processing pipeline for the quantification of PET images. Proceedings of SPIE, 2015, , .	0.8	8
112	Automatic segmentation of the glenohumeral cartilages from magnetic resonance images. Medical Physics, 2016, 43, 5370-5379.	1.6	8
113	Understanding the impact of bilateral brain injury in children with unilateral cerebral palsy. Human Brain Mapping, 2020, 41, 2794-2807.	1.9	8
114	Discrete element and finite element methods provide similar estimations for hip joint contact mechanics during walking gait. Journal of Biomechanics, 2021, 115, 110163.	0.9	8
115	Automatic model–based semantic registration of multimodal MRI knee data. Journal of Magnetic Resonance Imaging, 2015, 41, 633-644.	1.9	7
116	Quantitative mapping of acute and chronic PCL pathology with 3‰T MRI: a prospectively enrolled patient cohort. Journal of Experimental Orthopaedics, 2019, 6, 22.	0.8	7
117	Learning deficit in cognitively normal APOE Îµ4 carriers with LOW Î²–amyloid. Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring, 2021, 13, e12136.	1.2	7
118	Learning Sample-Adaptive Intensity Lookup Table for Brain Tumor Segmentation. Lecture Notes in Computer Science, 2020, , 216-226.	1.0	7
119	Automatic Delineation of Sulci and Improved Partial Volume Classification for Accurate 3D Voxel-Based Cortical Thickness Estimation from MR. Lecture Notes in Computer Science, 2008, 11, 253-261.	1.0	7
120	MILXView: A Medical Imaging, Analysis and Visualization Platform. International Federation for Information Processing, 2010, , 177-186.	0.4	7
121	3D shape context surface registration for cortical mapping. , 2010, , .		6
122	Constrained reverse diffusion for thick slice interpolation of 3D volumetric MRI images. Computerized Medical Imaging and Graphics, 2012, 36, 130-138.	3.5	6
123	On the use of coupled shape priors for segmentation of magnetic resonance images of the knee. IEEE Journal of Biomedical and Health Informatics, 2014, 19, 1-1.	3.9	6
124	CapAIBL: Automated Reporting of Cortical PET Quantification Without Need of MRI on Brain Surface Using a Patch-Based Method. Lecture Notes in Computer Science, 2016, , 109-116.	1.0	6
125	Midsagittal corpus callosum area and conversion to multiple sclerosis after clinically isolated syndrome: A multicentre Australian cohort study. Journal of Medical Imaging and Radiation Oncology, 2017, 61, 453-460.	0.9	6
126	Simultaneous super–resolution and contrast synthesis of routine clinical magnetic resonance images of the knee for improving automatic segmentation of joint cartilage: data from the Osteoarthritis Initiative. Medical Physics, 2020, 47, 4939-4948.	1.6	6

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127	Chronic white matter changes detected using diffusion tensor imaging following adult traumatic brain injury and their relationship to cognition.. Neuropsychology, 2020, 34, 881-893.	1.0	6
128	No Influence of Age-Related Hearing Loss on Brain Amyloid-Î². Journal of Alzheimer's Disease, 2022, 85, 359-367.	1.2	6
129	Advances in structural and molecular neuroimaging in Alzheimer's disease. Medical Journal of Australia, 2011, 194, S20-3.	0.8	5
130	Local intensity model: An outlier detection framework with applications to white matter hyperintensity segmentation. , 2011, , .		5
131	Automated MR Hip Bone Segmentation. , 2011, , .		5
132	Fully automated delineation of the optic radiation for surgical planning using clinically feasible sequences. Human Brain Mapping, 2021, 42, 5911-5926.	1.9	5
133	HIST: HyperIntensity Segmentation Tool. Lecture Notes in Computer Science, 2016, , 92-99.	1.0	5
134	AUTOMATIC SEGMENTATION OF THE BONES FROM MR IMAGES OF THE KNEE. , 2007, , .		4
135	A quantitative comparison of three methods for inflating cortical meshes. , 2009, , .		4
136	Nonrigid correction of interleaving artefacts in pelvic MRI. , 2009, , .		4
137	Partial volume estimation of brain cortex from MRI using topology-corrected segmentation. , 2009, , .		4
138	Surface-Base Approach Using a Multi-scale EM-ICP Registration for Statistical Population Analysis. , 2011, , .		4
139	Statistical shape model reconstruction with sparse anomalous deformations: Application to intervertebral disc herniation. Computerized Medical Imaging and Graphics, 2015, 46, 11-19.	3.5	4
140	Automated cartilage segmentation from 3D MR images of hip joint using an ensemble of neural networks. , 2017, , .		4
141	Data Augmentation Using Synthetic Lesions Improves Machine Learning Detection of Microbleeds from MRI. Lecture Notes in Computer Science, 2018, , 12-19.	1.0	4
142	Going Deeper With Brain Morphometry Using Neural Networks. , 2021, , .		4
143	3D Brain MRI GAN-Based Synthesis Conditioned on Partial Volume Maps. Lecture Notes in Computer Science, 2020, , 11-20.	1.0	4
144	Comorbidity of Cerebrovascular andÂAlzheimerâ€™s Disease in Aging. Journal of Alzheimer's Disease, 2020, 78, 321-334.	1.2	4

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145	The Use of Unwrapped Phase in MR Image SegmentationÂ: AÂPreliminaryÂStudy. Lecture Notes in Computer Science, 2005, , 813-820.	1.0	4
146	Differential Effects of APOE and Modifiable Risk Factors on Hippocampal Volume Loss and Memory Decline in AÎ²â˜' and AÎ²+ Older Adults. Neurology, 2022, 98, e1704-e1715.	1.5	4
147	Automated 3D Analysis of Clinical Magnetic Resonance Images Demonstrates Significant Reductions in Cam Morphology Following Arthroscopic Intervention in Contrast to Physiotherapy. Arthroscopy, Sports Medicine, and Rehabilitation, 2022, 4, e1353-e1362.	0.8	4
148	Improved cortical thickness measurement from MR images using partial volume estimation. , 2008, , .		3
149	Automatic Segmentation of the Prostate in 3D Magnetic Resonance Images Using Case Specific Deformable Models. , 2011, , .		3
150	Consistent estimation of shape parameters in statistical shape model by symmetric EM algorithm. Proceedings of SPIE, 2012, , .	0.8	3
151	Automated segmentation and T2-mapping of the posterior cruciate ligament from MRI of the knee: Data from the osteoarthritis initiative. , 2016, , .		3
152	Automated Plant and Leaf Separation: Application in 3D Meshes of Wheat Plants. , 2016, , .		3
153	A spatio-temporal atlas of neonatal diffusion MRI based on kernel ridge regression. , 2017, , .		3
154	A normalisation framework for quantitative brain imaging; application to quantitative susceptibility mapping. , 2017, , .		3
155	Structure-Guided Nonrigid Registration of CTâ€"MR Pelvis Scans with Large Deformations in MR-Based Image Guided Radiation Therapy. Lecture Notes in Computer Science, 2014, , 65-73.	1.0	3
156	Shape-based segmentation of MRIs of the bones in the knee using phase and intensity information. , 2007, , .		2
157	A surface based approach for cortical thickness comparison between PiB+ and PiB- healthy control subjects. Proceedings of SPIE, 2012, , .	0.8	2
158	Local contrastâ€enhanced <scp>MR</scp> images via high dynamic range processing. Magnetic Resonance in Medicine, 2018, 80, 1206-1218.	1.9	2
159	An efficient algorithm for estimating brain covariance networks. PLoS ONE, 2018, 13, e0198583.	1.1	2
160	Longitudinal Trajectories in Cortical Thickness and Volume Atrophy: Superior Cognitive Performance Does Not Protect Against Brain Atrophy in Older Adults. Journal of Alzheimer's Disease, 2021, 81, 1039-1052.	1.2	2
161	MR-Less Surface-Based Amyloid Estimation by Subject-Specific Atlas Selection and Bayesian Fusion. Lecture Notes in Computer Science, 2012, 15, 220-227.	1.0	2
162	Avoiding data loss: Synthetic MRIs generated from diffusion imaging can replace corrupted structural acquisitions for freesurfer-seeded tractography. PLoS ONE, 2022, 17, e0247343.	1.1	2

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163	Unilateral hip joint segmentation with shape priors learned from missing data. , 2012, , .		1
164	Morphology-Based Interslice Interpolation on Manual Segmentations of Joint Bones and Muscles in MRI. , 2012, , .		1
165	[O3â€"09â€"01]: IMPLEMENTING THE CENTILOID TRANSFORMATION FOR [18]Fâ€FLORBETABEN AND [18]Fâ€NAV4694 USING CAPAIBL. Alzheimer's and Dementia, 2017, 13, P920.	0.4	1
166	A Framework to Objectively Identify Reference Regions for Normalizing Quantitative Imaging. Lecture Notes in Computer Science, 2018, , 65-72.	1.0	1
167	A randomised placebo-controlled clinical trial of curcuma longa extract for treating symptoms and effusion-synovitis of knee osteoarthritis. Osteoarthritis and Cartilage, 2020, 28, S489.	0.6	1
168	Detail Matters: High-Frequency Content for Realistic Synthetic MRI Generation. Lecture Notes in Computer Science, 2021, , 3-13.	1.0	1
169	Automated analysis of immediate reliability of T2 and T2* relaxation times of hip joint cartilage from 3ÂT MR examinations. Magnetic Resonance Imaging, 2021, 82, 42-54.	1.0	1
170	Fast Multiatlas Selection Using Composition of Transformations for Radiation Therapy Planning. Lecture Notes in Computer Science, 2014, , 105-115.	1.0	1
171	Assessment of a polygenic hazard score for the onset of pre-clinical Alzheimerâ€™s disease. BMC Genomics, 2022, 23, .	1.2	1
172	A subdivision-based parametric deformable model for surface extraction and statistical shape modeling of the knee cartilages. , 2006, 6141, 622.		0
173	Estimation of shape model parameters for 3D surfaces. , 2008, , .		0
174	Supervised method to build an atlas database for multi-atlas segmentation-propagation. Proceedings of SPIE, 2010, , .	0.8	0
175	Detecting hippocampal shape changes in Alzheimer's disease using statistical shape models. , 2011, , .		0
176	Combining imaging and clinical data in manifold learning: Distance-based and graph-based extensions of Laplacian Eigenmaps. , 2012, , .		0
177	Heritability analysis of surface-based cortical thickness estimation on a large twin cohort. Proceedings of SPIE, 2015, , .	0.8	0
178	Incremental shape learning of 3D surfaces of the knee, data from the osteoarthritis initiative. , 2016, , .		0
179	Maximum Pseudolikelihood Estimation for Mixture-Markov Random Field Segmentation of the Brain. , 2016, , .		0
180	Automated Intervertebral Disc Segmentation Using Probabilistic Shape Estimation and Active Shape Models. Lecture Notes in Computer Science, 2016, , 150-158.	1.0	0

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181	Reply:. American Journal of Neuroradiology, 2018, 39, E40-E41.	1.2	0
182	Genetic Correlation Between Cortical Gray Matter Thickness and White Matter Connections. , 2018, , 85-100.		0
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