

# Jurgen Fripp

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

177  
papers

4,346  
citations

32  
h-index

62  
g-index

202  
ext. papers

5,601  
ext. citations

5  
avg, IF

5.28  
L-index

#	Paper	IF	Citations
177	Reduced cortical cholinergic innervation measured using [F]-FEOBV PET imaging correlates with cognitive decline in mild cognitive impairment.. <i>NeuroImage: Clinical</i> , <b>2022</b> , 34, 102992	5.3	1
176	Plasma p217+tau versus NAV4694 amyloid and MK6240 tau PET across the Alzheimer's continuum.. <i>Alzheimers and Dementia: Diagnosis, Assessment and Disease Monitoring</i> , <b>2022</b> , 14, e12307	5.2	2
175	Avoiding data loss: Synthetic MRIs generated from diffusion imaging can replace corrupted structural acquisitions for freesurfer-seeded tractography.. <i>PLoS ONE</i> , <b>2022</b> , 17, e0247343	3.7	0
174	Higher Coffee Consumption Is Associated With Slower Cognitive Decline and Less Cerebral AβAmyloid Accumulation Over 126 Months: Data From the Australian Imaging, Biomarkers, and Lifestyle Study. <i>Frontiers in Aging Neuroscience</i> , <b>2021</b> , 13, 744872	5.3	5
173	A deep learning framework identifies dimensional representations of Alzheimer's Disease from brain structure. <i>Nature Communications</i> , <b>2021</b> , 12, 7065	17.4	2
172	Association of βAmyloid Level, Clinical Progression, and Longitudinal Cognitive Change in Normal Older Individuals. <i>Neurology</i> , <b>2021</b> , 96, e662-e670	6.5	10
171	SA-LuT-Nets: Learning Sample-Adaptive Intensity Lookup Tables for Brain Tumor Segmentation. <i>IEEE Transactions on Medical Imaging</i> , <b>2021</b> , 40, 1417-1427	11.7	3
170	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. <i>Journal of Alzheimers Disease Reports</i> , <b>2021</b> , 5, 443-468	3.3	15
169	Longitudinal Trajectories in Cortical Thickness and Volume Atrophy: Superior Cognitive Performance Does Not Protect Against Brain Atrophy in Older Adults. <i>Journal of Alzheimers Disease</i> , <b>2021</b> , 81, 1039-1052	4.3	
168	High-resolution multi-T -weighted contrast and T mapping with low sensitivity using the fluid and white matter suppression (FLAWS) sequence at 7T. <i>Magnetic Resonance in Medicine</i> , <b>2021</b> , 85, 1364-1378	4.4	0
167	A prospective cohort study of prodromal Alzheimer's disease: Prospective Imaging Study of Ageing: Genes, Brain and Behaviour (PISA). <i>NeuroImage: Clinical</i> , <b>2021</b> , 29, 102527	5.3	7
166	The Brain Chart of Aging: Machine-learning analytics reveals links between brain aging, white matter disease, amyloid burden, and cognition in the iSTAGING consortium of 10,216 harmonized MR scans. <i>Alzheimers and Dementia</i> , <b>2021</b> , 17, 89-102	1.2	30
165	Learning deficit in cognitively normal APOE ε carriers with LOW βamyloid. <i>Alzheimers and Dementia: Diagnosis, Assessment and Disease Monitoring</i> , <b>2021</b> , 13, e12136	5.2	2
164	Discrete element and finite element methods provide similar estimations for hip joint contact mechanics during walking gait. <i>Journal of Biomechanics</i> , <b>2021</b> , 115, 110163	2.9	3
163	Detail Matters: High-Frequency Content for Realistic Synthetic MRI Generation. <i>Lecture Notes in Computer Science</i> , <b>2021</b> , 3-13	0.9	
162	Non-negative matrix factorisation improves Centiloid robustness in longitudinal studies. <i>NeuroImage</i> , <b>2021</b> , 226, 117593	7.9	3
161	Early clinical and MRI biomarkers of cognitive and motor outcomes in very preterm born infants. <i>Pediatric Research</i> , <b>2021</b> ,	3.2	3

160	Automating Quantitative Measures of an Established Conventional MRI Scoring System for Preterm-Born Infants Scanned between 29 and 47 Weeks' Postmenstrual Age. <i>American Journal of Neuroradiology</i> , <b>2021</b> , 42, 1870-1877	4.4	
159	Fully automated delineation of the optic radiation for surgical planning using clinically feasible sequences. <i>Human Brain Mapping</i> , <b>2021</b> , 42, 5911-5926	5.9	2
158	Deep Generative Medical Image Harmonization for Improving Cross-Site Generalization in Deep Learning Predictors. <i>Journal of Magnetic Resonance Imaging</i> , <b>2021</b> ,	5.6	3
157	Automated analysis of immediate reliability of T2 and T2* relaxation times of hip joint cartilage from 3T MR examinations. <i>Magnetic Resonance Imaging</i> , <b>2021</b> , 82, 42-54	3.3	
156	DeepCSR: A 3D Deep Learning Approach for Cortical Surface Reconstruction <b>2021</b> ,		7
155	Relationship between amyloid and tau levels and its impact on tau spreading. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , <b>2021</b> , 48, 2225-2232	8.8	8
154	Using imputation to provide harmonized longitudinal measures of cognition across AIBL and ADNI. <i>Scientific Reports</i> , <b>2021</b> , 11, 23788	4.9	3
153	Relative rate of change in cognitive score network dynamics via Bayesian hierarchical models reveal spatial patterns of neurodegeneration. <i>Statistics in Medicine</i> , <b>2020</b> , 39, 2695-2713	2.3	
152	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. <i>BMJ Open</i> , <b>2020</b> , 10, e036480	4.8	4
151	Plasma transferrin and hemopexin are associated with altered A $\beta$ uptake and cognitive decline in Alzheimer's disease pathology. <i>Alzheimer's Research and Therapy</i> , <b>2020</b> , 12, 72	9	8
150	Understanding the impact of bilateral brain injury in children with unilateral cerebral palsy. <i>Human Brain Mapping</i> , <b>2020</b> , 41, 2794-2807	5.9	3
149	MRI signatures of brain age and disease over the lifespan based on a deep brain network and 14 468 individuals worldwide. <i>Brain</i> , <b>2020</b> , 143, 2312-2324	11.2	58
148	A fixel-based analysis of micro- and macro-structural changes to white matter following adult traumatic brain injury. <i>Human Brain Mapping</i> , <b>2020</b> , 41, 2187-2197	5.9	11
147	Sample-Adaptive GANs: Linking Global and Local Mappings for Cross-Modality MR Image Synthesis. <i>IEEE Transactions on Medical Imaging</i> , <b>2020</b> , 39, 2339-2350	11.7	4
146	Predicting motor outcome in preterm infants from very early brain diffusion MRI using a deep learning convolutional neural network (CNN) model. <i>NeuroImage</i> , <b>2020</b> , 215, 116807	7.9	20
145	Comorbidity of Cerebrovascular and Alzheimer's Disease in Aging. <i>Journal of Alzheimer's Disease</i> , <b>2020</b> , 78, 321-334	4.3	2
144	A Bayesian Hierarchical Approach to Jointly Model Cortical Thickness and Covariance Networks. <i>Lecture Notes in Mathematics</i> , <b>2020</b> , 155-213	0.4	
143	3D Brain MRI GAN-Based Synthesis Conditioned on Partial Volume Maps. <i>Lecture Notes in Computer Science</i> , <b>2020</b> , 11-20	0.9	3

142	Learning Sample-Adaptive Intensity Lookup Table for Brain Tumor Segmentation. <i>Lecture Notes in Computer Science</i> , <b>2020</b> , 216-226	0.9	3
141	Chronic white matter changes detected using diffusion tensor imaging following adult traumatic brain injury and their relationship to cognition. <i>Neuropsychology</i> , <b>2020</b> , 34, 881-893	3.8	3
140	Harmonization of large MRI datasets for the analysis of brain imaging patterns throughout the lifespan. <i>NeuroImage</i> , <b>2020</b> , 208, 116450	7.9	79
139	Structural core of the executive control network: A high angular resolution diffusion MRI study. <i>Human Brain Mapping</i> , <b>2020</b> , 41, 1226-1236	5.9	23
138	Brain microstructure and morphology of very preterm-born infants at term equivalent age: Associations with motor and cognitive outcomes at 1 and 2 years. <i>NeuroImage</i> , <b>2020</b> , 221, 117163	7.9	7
137	Effectiveness of Extract for the Treatment of Symptoms and Effusion-Synovitis of Knee Osteoarthritis : A Randomized Trial. <i>Annals of Internal Medicine</i> , <b>2020</b> , 173, 861-869	8	24
136	Risk prediction of late-onset Alzheimer's disease implies an oligogenic architecture. <i>Nature Communications</i> , <b>2020</b> , 11, 4799	17.4	41
135	Association of deficits in short-term learning and Aβ and hippocampal volume in cognitively normal adults. <i>Neurology</i> , <b>2020</b> , 95, e2577-e2585	6.5	18
134	Longitudinal evaluation of the natural history of amyloid-β in plasma and brain. <i>Brain Communications</i> , <b>2020</b> , 2, fcaa041	4.5	6
133	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. <i>Medical Physics</i> , <b>2020</b> , 47, 4939-4948	4.4	1
132	Increased cerebral blood flow with increased amyloid burden in the preclinical phase of alzheimer's disease. <i>Journal of Magnetic Resonance Imaging</i> , <b>2020</b> , 51, 505-513	5.6	20
131	Quantitative mapping of acute and chronic PCL pathology with 3 T MRI: a prospectively enrolled patient cohort. <i>Journal of Experimental Orthopaedics</i> , <b>2019</b> , 6, 22	2.3	2
130	Rates of age- and amyloid β associated cortical atrophy in older adults with superior memory performance. <i>Alzheimers and Dementia: Diagnosis, Assessment and Disease Monitoring</i> , <b>2019</b> , 11, 566-575	5.2	12
129	Multi T1-weighted contrast MRI with fluid and white matter suppression at 1.5 T. <i>Magnetic Resonance Imaging</i> , <b>2019</b> , 63, 217-225	3.3	5
128	Non-linear realignment improves hippocampus subfield segmentation reliability. <i>NeuroImage</i> , <b>2019</b> , 203, 116206	7.9	6
127	Ea-GANs: Edge-Aware Generative Adversarial Networks for Cross-Modality MR Image Synthesis. <i>IEEE Transactions on Medical Imaging</i> , <b>2019</b> , 38, 1750-1762	11.7	85
126	Comparison of F-florbetaben quantification results using the standard Centiloid, MR-based, and MR-less CapAIBL approaches: Validation against histopathology. <i>Alzheimers and Dementia</i> , <b>2019</b> , 15, 807-816	1.2	26
125	Quantifying deep grey matter atrophy using automated segmentation approaches: A systematic review of structural MRI studies. <i>NeuroImage</i> , <b>2019</b> , 201, 116018	7.9	13

124	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. <i>BMJ Open</i> , <b>2019</b> , 9, e032194	3.194	6
123	Fixel-based analysis reveals alterations in brain microstructure and macrostructure of preterm-born infants at term equivalent age. <i>NeuroImage: Clinical</i> , <b>2018</b> , 18, 51-59	5.3	27
122	Relationship between very early brain structure and neuromotor, neurological and neurobehavioral function in infants born . <i>Early Human Development</i> , <b>2018</b> , 117, 74-82	2.2	21
121	. <i>American Journal of Neuroradiology</i> , <b>2018</b> , 39, E40-E41	4.4	
120	Local contrast-enhanced MR images via high dynamic range processing. <i>Magnetic Resonance in Medicine</i> , <b>2018</b> , 80, 1206-1218	4.4	1
119	A lightweight rapid application development framework for biomedical image analysis. <i>Computer Methods and Programs in Biomedicine</i> , <b>2018</b> , 164, 193-205	6.9	3
118	MRI white matter lesion segmentation using an ensemble of neural networks and overcomplete patch-based voting. <i>Computerized Medical Imaging and Graphics</i> , <b>2018</b> , 69, 43-51	7.6	19
117	Implementing the centiloid transformation for C-PiB and Amyloid F-PET tracers using CapAIBL. <i>NeuroImage</i> , <b>2018</b> , 183, 387-393	7.9	47
116	MRI Denoising and Artefact Removal Using Self-Organizing Maps for Fast Global Block-Matching. <i>Lecture Notes in Computer Science</i> , <b>2018</b> , 20-27	0.9	2
115	A Framework to Objectively Identify Reference Regions for Normalizing Quantitative Imaging. <i>Lecture Notes in Computer Science</i> , <b>2018</b> , 65-72	0.9	1
114	Investigating Brain Age Deviation in Preterm Infants: A Deep Learning Approach. <i>Lecture Notes in Computer Science</i> , <b>2018</b> , 87-96	0.9	1
113	An efficient algorithm for estimating brain covariance networks. <i>PLoS ONE</i> , <b>2018</b> , 13, e0198583	3.7	2
112	Data Augmentation Using Synthetic Lesions Improves Machine Learning Detection of Microbleeds from MRI. <i>Lecture Notes in Computer Science</i> , <b>2018</b> , 12-19	0.9	4
111	A systematic review of structural MRI biomarkers in autism spectrum disorder: A machine learning perspective. <i>International Journal of Developmental Neuroscience</i> , <b>2018</b> , 71, 68-82	2.7	49
110	3D cGAN based cross-modality MR image synthesis for brain tumor segmentation <b>2018</b> ,		30
109	Genetic Correlation Between Cortical Gray Matter Thickness and White Matter Connections <b>2018</b> , 85-100		
108	Comparisons of neurodegeneration over time between healthy ageing and Alzheimer's disease cohorts via Bayesian inference. <i>BMJ Open</i> , <b>2017</b> , 7, e012174	3	7
107	Comparison of 3D bone models of the knee joint derived from CT and 3T MR imaging. <i>European Journal of Radiology</i> , <b>2017</b> , 93, 178-184	4.7	19

106	Automated cartilage segmentation from 3D MR images of hip joint using an ensemble of neural networks <b>2017</b> ,		4
105	Validation of an MRI Brain Injury and Growth Scoring System in Very Preterm Infants Scanned at 29- to 35-Week Postmenstrual Age. <i>American Journal of Neuroradiology</i> , <b>2017</b> , 38, 1435-1442	4.4	21
104	Automated T2-mapping of the Menisci From Magnetic Resonance Images in Patients with Acute Knee Injury. <i>Academic Radiology</i> , <b>2017</b> , 24, 1295-1304	4.3	5
103	Midsagittal corpus callosum area and conversion to multiple sclerosis after clinically isolated syndrome: A multicentre Australian cohort study. <i>Journal of Medical Imaging and Radiation Oncology</i> , <b>2017</b> , 61, 453-460	1.7	5
102	[O30901]: IMPLEMENTING THE CENTILOID TRANSFORMATION FOR 18F-FLORBETABEN AND 18F-NAV4694 USING CAPAIBL <b>2017</b> , 13, P920		1
101	A spatio-temporal atlas of neonatal diffusion MRI based on kernel ridge regression <b>2017</b> ,		2
100	<b>2017</b> ,		1
99	Evaluation and comparison of 3D intervertebral disc localization and segmentation methods for 3D T2 MR data: A grand challenge. <i>Medical Image Analysis</i> , <b>2017</b> , 35, 327-344	15.4	46
98	Dementia with lewy bodies: Severe impairment of real-space navigation skills examined with human analogue of morris water maze and their structural underpinnings. <i>Journal of the Neurological Sciences</i> , <b>2017</b> , 381, 83-84	3.2	6
97	Cerebral quantitative susceptibility mapping predicts amyloid- $\beta$ -related cognitive decline. <i>Brain</i> , <b>2017</b> , 140, 2112-2119	11.2	144
96	Automated Intervertebral Disc Segmentation Using Probabilistic Shape Estimation and Active Shape Models. <i>Lecture Notes in Computer Science</i> , <b>2016</b> , 150-158	0.9	
95	CapAIBL: Automated Reporting of Cortical PET Quantification Without Need of MRI on Brain Surface Using a Patch-Based Method. <i>Lecture Notes in Computer Science</i> , <b>2016</b> , 109-116	0.9	5
94	Heritability and genetic correlation between the cerebral cortex and associated white matter connections. <i>Human Brain Mapping</i> , <b>2016</b> , 37, 2331-47	5.9	12
93	Quantifiable Imaging Biomarkers for Evaluation of the Posterior Cruciate Ligament Using 3-T Magnetic Resonance Imaging: A Feasibility Study. <i>Orthopaedic Journal of Sports Medicine</i> , <b>2016</b> , 4, 2325967116839044	2.5	8
92	Statistical machine learning to identify traumatic brain injury (TBI) from structural disconnections of white matter networks. <i>NeuroImage</i> , <b>2016</b> , 129, 247-259	7.9	37
91	HIST: HyperIntensity Segmentation Tool. <i>Lecture Notes in Computer Science</i> , <b>2016</b> , 92-99	0.9	3
90	Automated segmentation and T2-mapping of the posterior cruciate ligament from MRI of the knee: Data from the osteoarthritis initiative <b>2016</b> ,		3
89	3D Scanning System for Automatic High-Resolution Plant Phenotyping <b>2016</b> ,		15

88	Automated Plant and Leaf Separation: Application in 3D Meshes of Wheat Plants <b>2016</b> ,		2
87	Fast automated segmentation of multiple objects via spatially weighted shape learning. <i>Physics in Medicine and Biology</i> , <b>2016</b> , 61, 8070-8084	3.8	9
86	Automatic segmentation of the glenohumeral cartilages from magnetic resonance images. <i>Medical Physics</i> , <b>2016</b> , 43, 5370	4.4	7
85	MRI-alone radiation therapy planning for prostate cancer: Automatic fiducial marker detection. <i>Medical Physics</i> , <b>2016</b> , 43, 2218	4.4	34
84	Extent of altered white matter in unilateral and bilateral periventricular white matter lesions in children with unilateral cerebral palsy. <i>Research in Developmental Disabilities</i> , <b>2016</b> , 55, 368-76	2.7	10
83	PREMM: preterm early massage by the mother: protocol of a randomised controlled trial of massage therapy in very preterm infants. <i>BMC Pediatrics</i> , <b>2016</b> , 16, 146	2.6	9
82	Automated analysis of hip joint cartilage combining MR T2 and three-dimensional fast-spin-echo images. <i>Magnetic Resonance in Medicine</i> , <b>2016</b> , 75, 403-13	4.4	11
81	Statistical shape model reconstruction with sparse anomalous deformations: Application to intervertebral disc herniation. <i>Computerized Medical Imaging and Graphics</i> , <b>2015</b> , 46 Pt 1, 11-19	7.6	4
80	Robust inverse-consistent affine CT-MR registration in MRI-assisted and MRI-alone prostate radiation therapy. <i>Medical Image Analysis</i> , <b>2015</b> , 23, 56-69	15.4	34
79	The need for improved brain lesion segmentation techniques for children with cerebral palsy: A review. <i>International Journal of Developmental Neuroscience</i> , <b>2015</b> , 47, 229-46	2.7	11
78	Automatic Substitute Computed Tomography Generation and Contouring for Magnetic Resonance Imaging (MRI)-Alone External Beam Radiation Therapy From Standard MRI Sequences. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>2015</b> , 93, 1144-53	4	114
77	Assessing atrophy measurement techniques in dementia: Results from the MIRIAD atrophy challenge. <i>NeuroImage</i> , <b>2015</b> , 123, 149-64	7.9	48
76	Automatic model-based semantic registration of multimodal MRI knee data. <i>Journal of Magnetic Resonance Imaging</i> , <b>2015</b> , 41, 633-44	5.6	4
75	Automated 3D quantitative assessment and measurement of alpha angles from the femoral head-neck junction using MR imaging. <i>Physics in Medicine and Biology</i> , <b>2015</b> , 60, 7601-16	3.8	11
74	Basal Forebrain Atrophy Contributes to Allocentric Navigation Impairment in Alzheimer's Disease Patients. <i>Frontiers in Aging Neuroscience</i> , <b>2015</b> , 7, 185	5.3	19
73	Computational analysis of PET by AIBL (CapAIBL): a cloud-based processing pipeline for the quantification of PET images <b>2015</b> ,		5
72	PPREMO: a prospective cohort study of preterm infant brain structure and function to predict neurodevelopmental outcome. <i>BMC Pediatrics</i> , <b>2015</b> , 15, 123	2.6	19
71	Automatic bone segmentation and bone-cartilage interface extraction for the shoulder joint from magnetic resonance images. <i>Physics in Medicine and Biology</i> , <b>2015</b> , 60, 1441-59	3.8	15



70	Basal forebrain atrophy correlates with amyloid burden in Alzheimer's disease. <i>NeuroImage: Clinical</i> , <b>2015</b> , 7, 105-13	5.3	63
69	Comparison of MR-less PiB SUVR quantification methods. <i>Neurobiology of Aging</i> , <b>2015</b> , 36 Suppl 1, S159-66	5.6	70
68	On the use of coupled shape priors for segmentation of magnetic resonance images of the knee. <i>IEEE Journal of Biomedical and Health Informatics</i> , <b>2015</b> , 19, 1153-67	7.2	4
67	Validity and reliability of computerized measurement of lumbar intervertebral disc height and volume from magnetic resonance images. <i>Spine Journal</i> , <b>2014</b> , 14, 2773-81	4	13
66	Lesion segmentation from multimodal MRI using random forest following ischemic stroke. <i>NeuroImage</i> , <b>2014</b> , 98, 324-35	7.9	112
65	Focused shape models for hip joint segmentation in 3D magnetic resonance images. <i>Medical Image Analysis</i> , <b>2014</b> , 18, 567-78	15.4	44
64	Longitudinal deformation models, spatial regularizations and learning strategies to quantify Alzheimer's disease progression. <i>NeuroImage: Clinical</i> , <b>2014</b> , 4, 718-29	5.3	20
63	MR-less surface-based amyloid assessment based on 11C PiB PET. <i>PLoS ONE</i> , <b>2014</b> , 9, e84777	3.7	29
62	Automatic hip cartilage segmentation from 3D MR images using arc-weighted graph searching. <i>Physics in Medicine and Biology</i> , <b>2014</b> , 59, 7245-66	3.8	30
61	Investigating brain connectivity heritability in a twin study using diffusion imaging data. <i>NeuroImage</i> , <b>2014</b> , 100, 628-41	7.9	30
60	Automated segmentation and analysis of normal and osteoarthritic knee menisci from magnetic resonance images--data from the Osteoarthritis Initiative. <i>Osteoarthritis and Cartilage</i> , <b>2014</b> , 22, 1259-70	6.2	28
59	Structure-Guided Nonrigid Registration of CT/MR Pelvis Scans with Large Deformations in MR-Based Image Guided Radiation Therapy. <i>Lecture Notes in Computer Science</i> , <b>2014</b> , 65-73	0.9	6
58	Structure-Guided Nonrigid Registration of CT/MR Pelvis Scans with Large Deformations in MR-Based Image Guided Radiation Therapy. <i>Lecture Notes in Computer Science</i> , <b>2014</b> , 65-73	0.9	1
57	Fast Multiatlas Selection Using Composition of Transformations for Radiation Therapy Planning. <i>Lecture Notes in Computer Science</i> , <b>2014</b> , 105-115	0.9	1
56	Efficient brain lesion segmentation using multi-modality tissue-based feature selection and support vector machines. <i>International Journal for Numerical Methods in Biomedical Engineering</i> , <b>2013</b> , 29, 905-15	2.6	7
55	Cross-sectional and longitudinal analysis of the relationship between A $\beta$ deposition, cortical thickness, and memory in cognitively unimpaired individuals and in Alzheimer disease. <i>JAMA Neurology</i> , <b>2013</b> , 70, 903-11	17.2	132
54	Automated bone segmentation from large field of view 3D MR images of the hip joint. <i>Physics in Medicine and Biology</i> , <b>2013</b> , 58, 7375-90	3.8	50
53	MilxXplore: a web-based system to explore large imaging datasets. <i>Journal of the American Medical Informatics Association: JAMIA</i> , <b>2013</b> , 20, 1046-52	8.6	7



52	Three-dimensional morphological and signal intensity features for detection of intervertebral disc degeneration from magnetic resonance images. <i>Journal of the American Medical Informatics Association: JAMIA</i> , <b>2013</b> , 20, 1082-90	8.6	21
51	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. <i>Journal of Neuroscience Methods</i> , <b>2012</b> , 205, 96-109	3	13
50	Consistent estimation of shape parameters in statistical shape model by symmetric EM algorithm <b>2012</b> ,		1
49	Patient specific prostate segmentation in 3-d magnetic resonance images. <i>IEEE Transactions on Medical Imaging</i> , <b>2012</b> , 31, 1955-64	11.7	66
48	An atlas-based electron density mapping method for magnetic resonance imaging (MRI)-alone treatment planning and adaptive MRI-based prostate radiation therapy. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>2012</b> , 83, e5-11	4	230
47	Morphology-Based Interslice Interpolation on Manual Segmentations of Joint Bones and Muscles in MRI <b>2012</b> ,		1
46	A novel mesh processing based technique for 3D plant analysis. <i>BMC Plant Biology</i> , <b>2012</b> , 12, 63	5.3	159
45	Detecting global and local hippocampal shape changes in Alzheimer's disease using statistical shape models. <i>NeuroImage</i> , <b>2012</b> , 59, 2155-66	7.9	66
44	Automated detection, 3D segmentation and analysis of high resolution spine MR images using statistical shape models. <i>Physics in Medicine and Biology</i> , <b>2012</b> , 57, 8357-76	3.8	76
43	Constrained reverse diffusion for thick slice interpolation of 3D volumetric MRI images. <i>Computerized Medical Imaging and Graphics</i> , <b>2012</b> , 36, 130-8	7.6	3
42	Unilateral hip joint segmentation with shape priors learned from missing data <b>2012</b> ,		1
41	A surface based approach for cortical thickness comparison between PiB+ and PiB- healthy control subjects <b>2012</b> ,		2
40	MR-less surface-based amyloid estimation by subject-specific atlas selection and Bayesian fusion. <i>Lecture Notes in Computer Science</i> , <b>2012</b> , 15, 220-7	0.9	2
39	Fast Automatic Multi-atlas Segmentation of the Prostate from 3D MR Images. <i>Lecture Notes in Computer Science</i> , <b>2011</b> , 10-21	0.9	19
38	Symmetric diffeomorphic registration of fibre orientation distributions. <i>NeuroImage</i> , <b>2011</b> , 56, 1171-80	7.9	145
37	Automatic Segmentation of the Prostate in 3D Magnetic Resonance Images Using Case Specific Deformable Models <b>2011</b> ,		2
36	Advances in structural and molecular neuroimaging in Alzheimer's disease. <i>Medical Journal of Australia</i> , <b>2011</b> , 194, S20-3	4	3
35	A magnetic resonance imaging-based workflow for planning radiation therapy for prostate cancer. <i>Medical Journal of Australia</i> , <b>2011</b> , 194, S24-7	4	36

34	Segmentation of the quadratus lumborum muscle using statistical shape modeling. <i>Journal of Magnetic Resonance Imaging</i> , <b>2011</b> , 33, 1422-9	5.6	19
33	Automated 3D Segmentation and Analysis of Cotton Plants <b>2011</b> ,		11
32	Surface-Base Approach Using a Multi-scale EM-ICP Registration for Statistical Population Analysis <b>2011</b> ,		2
31	Local intensity model: An outlier detection framework with applications to white matter hyperintensity segmentation <b>2011</b> ,		4
30	Automated MR Hip Bone Segmentation <b>2011</b> ,		4
29	3D shape context surface registration for cortical mapping <b>2010</b> ,		4
28	Automatic MRI Atlas-Based External Beam Radiation Therapy Treatment Planning for Prostate Cancer. <i>Lecture Notes in Computer Science</i> , <b>2010</b> , 25-33	0.9	8
27	Amyloid imaging results from the Australian Imaging, Biomarkers and Lifestyle (AIBL) study of aging. <i>Neurobiology of Aging</i> , <b>2010</b> , 31, 1275-83	5.6	75 <sup>0</sup>
26	Automatic segmentation and quantitative analysis of the articular cartilages from magnetic resonance images of the knee. <i>IEEE Transactions on Medical Imaging</i> , <b>2010</b> , 29, 55-64	11.7	130
25	Topology-corrected segmentation and local intensity estimates for improved partial volume classification of brain cortex in MRI. <i>Journal of Neuroscience Methods</i> , <b>2010</b> , 188, 305-15	3	24
24	MILXView: A Medical Imaging, Analysis and Visualization Platform. <i>International Federation for Information Processing</i> , <b>2010</b> , 177-186		4
23	Increasing power to predict mild cognitive impairment conversion to Alzheimer's disease using hippocampal atrophy rate and statistical shape models. <i>Lecture Notes in Computer Science</i> , <b>2010</b> , 13, 125-32	0.9	17
22	Nonrigid correction of interleaving artefacts in pelvic MRI <b>2009</b> ,		4
21	Automated voxel-based 3D cortical thickness measurement in a combined Lagrangian-Eulerian PDE approach using partial volume maps. <i>Medical Image Analysis</i> , <b>2009</b> , 13, 730-43	15.4	76
20	Automated segmentation of the menisci from MR images <b>2009</b> ,		5
19	Partial volume estimation of brain cortex from MRI using topology-corrected segmentation <b>2009</b> ,		1
18	Appearance modeling of <sup>11</sup> C PiB PET images: characterizing amyloid deposition in Alzheimer's disease, mild cognitive impairment and healthy aging. <i>NeuroImage</i> , <b>2008</b> , 43, 430-9	7.9	70
17	Automated ( <sup>11</sup> C)-PiB standardized uptake value ratio. <i>Academic Radiology</i> , <b>2008</b> , 15, 1376-89	4.3	17

16	Improved cortical thickness measurement from MR images using partial volume estimation <b>2008</b> ,		2
15	MR-less high dimensional spatial normalization of 11C PiB PET images on a population of elderly, mild cognitive impaired and Alzheimer disease patients. <i>Lecture Notes in Computer Science</i> , <b>2008</b> , 11, 442-9	0.9	11
14	Automatic delineation of sulci and improved partial volume classification for accurate 3D voxel-based cortical thickness estimation from MR. <i>Lecture Notes in Computer Science</i> , <b>2008</b> , 11, 253-61	0.9	6
13	Segmentation of the bones in MRIs of the knee using phase, magnitude, and shape information. <i>Academic Radiology</i> , <b>2007</b> , 14, 1201-8	4.3	14
12	Automatic segmentation of the bone and extraction of the bone-cartilage interface from magnetic resonance images of the knee. <i>Physics in Medicine and Biology</i> , <b>2007</b> , 52, 1617-31	3.8	81
11	MR image segmentation of the knee bone using phase information. <i>Medical Image Analysis</i> , <b>2007</b> , 11, 325-35	15.4	32
10	Shape-based segmentation of MRIs of the bones in the knee using phase and intensity information <b>2007</b> ,		1
9	Automatic segmentation of articular cartilage in magnetic resonance images of the knee <b>2007</b> , 10, 186-94		10
8	AUTOMATIC SEGMENTATION OF THE BONES FROM MR IMAGES OF THE KNEE <b>2007</b> ,		3
7	A subdivision-based parametric deformable model for surface extraction and statistical shape modeling of the knee cartilages <b>2006</b> , 6141, 622		
6	MR image segmentation using phase information and a novel multiscale scheme. <i>Lecture Notes in Computer Science</i> , <b>2006</b> , 9, 920-7	0.9	
5	The Use of Unwrapped Phase in MR Image Segmentation : A Preliminary Study. <i>Lecture Notes in Computer Science</i> , <b>2005</b> , 813-820	0.9	2
4	3D Statistical Shape Models to Embed Spatial Relationship Information. <i>Lecture Notes in Computer Science</i> , <b>2005</b> , 51-60	0.9	7
3	Fully Automated Delineation of the Optic Radiation for Surgical Planning using Clinically Accessible Sequences <sub>2</sub>		
2	Avoiding Data Loss: Synthetic MRIs Generated from Diffusion Imaging Can Replace Corrupted Structural Acquisitions For Freesurfer-Seeded Tractography		1
1	A conformational variant of p53 (U-p53AZ) as blood-based biomarker for the prediction of the onset of symptomatic Alzheimer's disease		2