

Paul A Yushkevich

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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.

175
papers

13,369
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h-index

115
g-index

195
ext. papers

17,115
ext. citations

4.3
avg, IF

6.19
L-index

#	Paper	IF	Citations
175	User-guided 3D active contour segmentation of anatomical structures: significantly improved efficiency and reliability. <i>NeuroImage</i> , 2006 , 31, 1116-28	7.9	4561
174	N4ITK: improved N3 bias correction. <i>IEEE Transactions on Medical Imaging</i> , 2010 , 29, 1310-20	11.7	2457
173	Multi-Atlas Segmentation with Joint Label Fusion. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2013 , 35, 611-23	13.3	566
172	The optimal template effect in hippocampus studies of diseased populations. <i>NeuroImage</i> , 2010 , 49, 2457-66	7.9	428
171	Deformable registration of diffusion tensor MR images with explicit orientation optimization. <i>Medical Image Analysis</i> , 2006 , 10, 764-85	15.4	377
170	Automated volumetry and regional thickness analysis of hippocampal subfields and medial temporal cortical structures in mild cognitive impairment. <i>Human Brain Mapping</i> , 2015 , 36, 258-87	5.9	292
169	Segmentation, registration, and measurement of shape variation via image object shape. <i>IEEE Transactions on Medical Imaging</i> , 1999 , 18, 851-65	11.7	210
168	Quantitative comparison of 21 protocols for labeling hippocampal subfields and parahippocampal subregions in in vivo MRI: towards a harmonized segmentation protocol. <i>NeuroImage</i> , 2015 , 111, 526-41	7.9	209
167	High-dimensional spatial normalization of diffusion tensor images improves the detection of white matter differences: an example study using amyotrophic lateral sclerosis. <i>IEEE Transactions on Medical Imaging</i> , 2007 , 26, 1585-97	11.7	203
166	Nearly automatic segmentation of hippocampal subfields in in vivo focal T2-weighted MRI. <i>NeuroImage</i> , 2010 , 53, 1208-24	7.9	190
165	A learning-based wrapper method to correct systematic errors in automatic image segmentation: consistently improved performance in hippocampus, cortex and brain segmentation. <i>NeuroImage</i> , 2011 , 55, 968-85	7.9	143
164	Structure-specific statistical mapping of white matter tracts. <i>NeuroImage</i> , 2008 , 41, 448-61	7.9	138
163	Deformable M-Reps for 3D Medical Image Segmentation. <i>International Journal of Computer Vision</i> , 2003 , 55, 85-106	10.6	136
162	A high-resolution computational atlas of the human hippocampus from postmortem magnetic resonance imaging at 9.4 T. <i>NeuroImage</i> , 2009 , 44, 385-98	7.9	134
161	ITK-SNAP: An interactive tool for semi-automatic segmentation of multi-modality biomedical images. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2016 , 2016, 3342-3345	0.9	121
160	Multi-atlas segmentation with joint label fusion and corrective learning-an open source implementation. <i>Frontiers in Neuroinformatics</i> , 2013 , 7, 27	3.9	116
159	Bias in estimation of hippocampal atrophy using deformation-based morphometry arises from asymmetric global normalization: an illustration in ADNI 3 T MRI data. <i>NeuroImage</i> , 2010 , 50, 434-45	7.9	106

158	Multiscale deformable model segmentation and statistical shape analysis using medial descriptions. <i>IEEE Transactions on Medical Imaging</i> , 2002 , 21, 538-50	11.7	98
157	Histology-derived volumetric annotation of the human hippocampal subfields in postmortem MRI. <i>NeuroImage</i> , 2014 , 84, 505-23	7.9	97
156	Neuroinformatics for genome-wide 3D gene expression mapping in the mouse brain. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2007 , 4, 382-393	3	95
155	Continuous medial representation for anatomical structures. <i>IEEE Transactions on Medical Imaging</i> , 2006 , 25, 1547-64	11.7	93
154	A harmonized segmentation protocol for hippocampal and parahippocampal subregions: Why do we need one and what are the key goals?. <i>Hippocampus</i> , 2017 , 27, 3-11	3.5	84
153	In vivo analysis of hippocampal subfield atrophy in mild cognitive impairment via semi-automatic segmentation of T2-weighted MRI. <i>Journal of Alzheimer's Disease</i> , 2012 , 31, 85-99	4.3	84
152	Characterizing the human hippocampus in aging and Alzheimer's disease using a computational atlas derived from ex vivo MRI and histology. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 4252-4257	11.5	75
151	A protocol for manual segmentation of medial temporal lobe subregions in 7T MRI. <i>NeuroImage: Clinical</i> , 2017 , 15, 466-482	5.3	64
150	Cancer imaging phenomics toolkit: quantitative imaging analytics for precision diagnostics and predictive modeling of clinical outcome. <i>Journal of Medical Imaging</i> , 2018 , 5, 011018	2.6	64
149	Increased functional connectivity within medial temporal lobe in mild cognitive impairment. <i>Hippocampus</i> , 2013 , 23, 1-6	3.5	63
148	Fully automatic segmentation of the mitral leaflets in 3D transesophageal echocardiographic images using multi-atlas joint label fusion and deformable medial modeling. <i>Medical Image Analysis</i> , 2014 , 18, 118-29	15.4	58
147	Unbiased white matter atlas construction using diffusion tensor images 2007 , 10, 211-8		55
146	ITK-SNAP: An Interactive Medical Image Segmentation Tool to Meet the Need for Expert-Guided Segmentation of Complex Medical Images. <i>IEEE Pulse</i> , 2017 , 8, 54-57	0.7	54
145	Cerebral cortical folding analysis with multivariate modeling and testing: Studies on gender differences and neonatal development. <i>NeuroImage</i> , 2010 , 53, 450-9	7.9	52
144	Suspected non-AD pathology in mild cognitive impairment. <i>Neurobiology of Aging</i> , 2015 , 36, 3152-3162	5.6	49
143	Continuous medial representations for geometric object modeling in 2D and 3D. <i>Image and Vision Computing</i> , 2003 , 21, 17-27	3.7	49
142	Assessing atrophy measurement techniques in dementia: Results from the MIRIAD atrophy challenge. <i>NeuroImage</i> , 2015 , 123, 149-64	7.9	48
141	Medial temporal lobe subregional morphometry using high resolution MRI in Alzheimer's disease. <i>Neurobiology of Aging</i> , 2017 , 49, 204-213	5.6	47

140	User-Guided Segmentation of Multi-modality Medical Imaging Datasets with ITK-SNAP. <i>Neuroinformatics</i> , 2019 , 17, 83-102	3.2	46
139	Longitudinal and cross-sectional structural magnetic resonance imaging correlates of AV-1451 uptake. <i>Neurobiology of Aging</i> , 2018 , 66, 49-58	5.6	44
138	Systematic comparison of different techniques to measure hippocampal subfield volumes in ADNI2. <i>NeuroImage: Clinical</i> , 2018 , 17, 1006-1018	5.3	44
137	Preoperative Three-Dimensional Valve Analysis Predicts Recurrent Ischemic Mitral Regurgitation After Mitral Annuloplasty. <i>Annals of Thoracic Surgery</i> , 2016 , 101, 567-75; discussion 575	2.7	42
136	A tract-specific framework for white matter morphometry combining macroscopic and microscopic tract features. <i>Medical Image Analysis</i> , 2010 , 14, 666-73	15.4	41
135	Automated Hippocampal Subfield Segmentation at 7T MRI. <i>American Journal of Neuroradiology</i> , 2016 , 37, 1050-7	4.4	41
134	White matter imaging contributes to the multimodal diagnosis of frontotemporal lobar degeneration. <i>Neurology</i> , 2012 , 78, 1761-8	6.5	40
133	Regression-Based Label Fusion for Multi-Atlas Segmentation. <i>IEEE Computer Society Conference on Computer Vision and Pattern Recognition Workshops</i> , 2011 , 1113-1120	1.3	39
132	Anterior and posterior MTL networks in aging and MCI. <i>Neurobiology of Aging</i> , 2015 , 36 Suppl 1, S141-50, S150.e1	5.6	37
131	Semi-automated mitral valve morphometry and computational stress analysis using 3D ultrasound. <i>Journal of Biomechanics</i> , 2012 , 45, 903-7	2.9	37
130	Mapping the structural and functional network architecture of the medial temporal lobe using 7T MRI. <i>Human Brain Mapping</i> , 2018 , 39, 851-865	5.9	34
129	Automated segmentation of medial temporal lobe subregions on in vivo T1-weighted MRI in early stages of Alzheimer's disease. <i>Human Brain Mapping</i> , 2019 , 40, 3431-3451	5.9	33
128	Hippocampal volumetry and functional MRI of memory in temporal lobe epilepsy. <i>Epilepsy and Behavior</i> , 2009 , 16, 128-38	3.2	33
127	Continuous medial representation of brain structures using the biharmonic PDE. <i>NeuroImage</i> , 2009 , 45, S99-110	7.9	32
126	Measuring longitudinal change in the hippocampal formation from in vivo high-resolution T2-weighted MRI. <i>NeuroImage</i> , 2012 , 60, 1266-79	7.9	30
125	Neural Correlates of Verbal Episodic Memory and Lexical Retrieval in Logopenic Variant Primary Progressive Aphasia. <i>Frontiers in Neuroscience</i> , 2017 , 11, 330	5.1	29
124	White matter disease contributes to apathy and disinhibition in behavioral variant frontotemporal dementia. <i>Cognitive and Behavioral Neurology</i> , 2014 , 27, 206-14	1.6	27
123	Hippocampal subfield volumetry from structural isotropic 1 mm MRI scans: A note of caution. <i>Human Brain Mapping</i> , 2021 , 42, 539-550	5.9	27

122	Development of a semi-automated method for mitral valve modeling with medial axis representation using 3D ultrasound. <i>Medical Physics</i> , 2012 , 39, 933-50	4.4	26
121	3D Mouse Brain Reconstruction from Histology Using a Coarse-to-Fine Approach. <i>Lecture Notes in Computer Science</i> , 2006 , 230-237	0.9	26
120	Optimal weights for multi-atlas label fusion. <i>Lecture Notes in Computer Science</i> , 2011 , 22, 73-84	0.9	26
119	Robust Automated Amygdala Segmentation via Multi-Atlas Diffeomorphic Registration. <i>Frontiers in Neuroscience</i> , 2012 , 6, 166	5.1	25
118	Multi-atlas segmentation with robust label transfer and label fusion. <i>Lecture Notes in Computer Science</i> , 2013 , 23, 548-59	0.9	25
117	Maturation Along White Matter Tracts in Human Brain Using a Diffusion Tensor Surface Model Tract-Specific Analysis. <i>Frontiers in Neuroanatomy</i> , 2016 , 10, 9	3.6	25
116	A tract-specific approach to assessing white matter in preterm infants. <i>NeuroImage</i> , 2017 , 157, 675-694	7.9	23
115	Structural and functional asymmetry of medial temporal subregions in unilateral temporal lobe epilepsy: A 7T MRI study. <i>Human Brain Mapping</i> , 2019 , 40, 2390-2398	5.9	22
114	ANHIR: Automatic Non-Rigid Histological Image Registration Challenge. <i>IEEE Transactions on Medical Imaging</i> , 2020 , 39, 3042-3052	11.7	22
113	In-vivo heterogeneous functional and residual strains in human aortic valve leaflets. <i>Journal of Biomechanics</i> , 2016 , 49, 2481-90	2.9	22
112	Multi-template analysis of human perirhinal cortex in brain MRI: Explicitly accounting for anatomical variability. <i>NeuroImage</i> , 2017 , 144, 183-202	7.9	22
111	Automatic cardiac MRI segmentation using a biventricular deformable medial model. <i>Lecture Notes in Computer Science</i> , 2010 , 13, 468-75	0.9	22
110	Hippocampus-specific fMRI group activation analysis using the continuous medial representation. <i>NeuroImage</i> , 2007 , 35, 1516-30	7.9	22
109	Medially constrained deformable modeling for segmentation of branching medial structures: Application to aortic valve segmentation and morphometry. <i>Medical Image Analysis</i> , 2015 , 26, 217-31	15.4	21
108	Feature selection for shape-based classification of biological objects. <i>Lecture Notes in Computer Science</i> , 2003 , 18, 114-25	0.9	21
107	Multi-atlas segmentation without registration: a supervoxel-based approach. <i>Lecture Notes in Computer Science</i> , 2013 , 16, 535-42	0.9	21
106	IC-P-174: Fast Automatic Segmentation of Hippocampal Subfields and Medial Temporal Lobe Subregions In 3 Tesla and 7 Tesla T2-Weighted MRI 2016 , 12, P126-P127		21
105	Intuitive, Localized Analysis of Shape Variability. <i>Lecture Notes in Computer Science</i> , 2001 , 402-408	0.9	21

104	Contribution of mixed pathology to medial temporal lobe atrophy in Alzheimer's disease. <i>Alzheimer's and Dementia</i> , 2020 , 16, 843-852	1.2	20
103	A brain stress test: Cerebral perfusion during memory encoding in mild cognitive impairment. <i>NeuroImage: Clinical</i> , 2016 , 11, 388-397	5.3	20
102	3D cerebral cortical morphometry in autism: increased folding in children and adolescents in frontal, parietal, and temporal lobes. <i>Lecture Notes in Computer Science</i> , 2008 , 11, 559-67	0.9	19
101	White matter disease correlates with lexical retrieval deficits in primary progressive aphasia. <i>Frontiers in Neurology</i> , 2013 , 4, 212	4.1	18
100	Early Tau Burden Correlates with Higher Rate of Atrophy in Transentorhinal Cortex. <i>Journal of Alzheimer's Disease</i> , 2018 , 62, 85-92	4.3	17
99	Shape-based normalization of the corpus callosum for DTI connectivity analysis. <i>IEEE Transactions on Medical Imaging</i> , 2007 , 26, 1166-78	11.7	17
98	The value of preoperative 3-dimensional over 2-dimensional valve analysis in predicting recurrent ischemic mitral regurgitation after mitral annuloplasty. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2016 , 152, 847-59	1.5	17
97	Progress update from the hippocampal subfields group. <i>Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring</i> , 2019 , 11, 439-449	5.2	16
96	Statistical assessment of normal mitral annular geometry using automated three-dimensional echocardiographic analysis. <i>Annals of Thoracic Surgery</i> , 2014 , 97, 71-7	2.7	16
95	Heterogeneity of functional activation during memory encoding across hippocampal subfields in temporal lobe epilepsy. <i>NeuroImage</i> , 2011 , 58, 1121-30	7.9	16
94	Structure specific analysis of the hippocampus in temporal lobe epilepsy. <i>Hippocampus</i> , 2009 , 19, 517-25	3.5	16
93	Structure-Specific Statistical Mapping of White Matter Tracts using the Continuous Medial Representation 2007 ,		16
92	Regional structural characterization of the brain of schizophrenia patients. <i>Academic Radiology</i> , 2005 , 12, 1250-61	4.3	15
91	Multivariate high-dimensional cortical folding analysis, combining complexity and shape, in neonates with congenital heart disease. <i>Lecture Notes in Computer Science</i> , 2009 , 21, 552-63	0.9	15
90	Longitudinal atrophy in early Braak regions in preclinical Alzheimer's disease. <i>Human Brain Mapping</i> , 2020 , 41, 4704-4717	5.9	15
89	Real-time magnetic resonance imaging technique for determining left ventricle pressure-volume loops. <i>Annals of Thoracic Surgery</i> , 2014 , 97, 1597-603	2.7	14
88	User-initialized active contour segmentation and golden-angle real-time cardiovascular magnetic resonance enable accurate assessment of LV function in patients with sinus rhythm and arrhythmias. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2015 , 17, 37	6.9	14
87	Characterization of hippocampal subfields using ex vivo MRI and histology data: Lessons for in vivo segmentation. <i>Hippocampus</i> , 2020 , 30, 545-564	3.5	14

86	In vivo measures of tau burden are associated with atrophy in early Braak stage medial temporal lobe regions in amyloid-negative individuals. <i>Alzheimers and Dementia</i> , 2019 , 15, 1286-1295	1.2	13
85	Longitudinal Changes in Hippocampal Subfield Volume Associated with Collegiate Football. <i>Journal of Neurotrauma</i> , 2019 , 36, 2762-2773	5.4	13
84	Groupwise segmentation with multi-atlas joint label fusion. <i>Lecture Notes in Computer Science</i> , 2013 , 16, 711-8	0.9	13
83	Quantitative MRI of Perivascular Spaces at 3T for Early Diagnosis of Mild Cognitive Impairment. <i>American Journal of Neuroradiology</i> , 2018 , 39, 1622-1628	4.4	12
82	From label fusion to correspondence fusion: a new approach to unbiased groupwise registration. <i>Proceedings of the IEEE Computer Society Conference on Computer Vision and Pattern Recognition</i> , 2012 , 956-963	6	12
81	The Cancer Imaging Phenomics Toolkit (CaPTk): Technical Overview. <i>Lecture Notes in Computer Science</i> , 2020 , 11993, 380-394	0.9	12
80	Accounting for the Confound of Meninges in Segmenting Entorhinal and Perirhinal Cortices in T1-Weighted MRI. <i>Lecture Notes in Computer Science</i> , 2016 , 9901, 564-571	0.9	12
79	Deformable modeling using a 3D boundary representation with quadratic constraints on the branching structure of the Blum skeleton. <i>Lecture Notes in Computer Science</i> , 2013 , 23, 280-91	0.9	12
78	Quantification of Left Ventricular Function With Premature Ventricular Complexes Reveals Variable Hemodynamics. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2016 , 9, e003520	6.4	12
77	Relationship of contextual cueing and hippocampal volume in amnesic mild cognitive impairment patients and cognitively normal older adults. <i>Journal of the International Neuropsychological Society</i> , 2015 , 21, 285-96	3.1	11
76	A Computational White Matter Atlas for Aging with Surface-Based Representation of Fasciculi. <i>Lecture Notes in Computer Science</i> , 2010 , 83-90	0.9	11
75	Image Segmentation and Modeling of the Pediatric Tricuspid Valve in Hypoplastic Left Heart Syndrome. <i>Lecture Notes in Computer Science</i> , 2017 , 10263, 95-105	0.9	10
74	Automated segmentation and geometrical modeling of the tricuspid aortic valve in 3D echocardiographic images. <i>Lecture Notes in Computer Science</i> , 2013 , 16, 485-92	0.9	10
73	Early stages of tau pathology and its associations with functional connectivity, atrophy and memory. <i>Brain</i> , 2021 , 144, 2771-2783	11.2	10
72	Automatic clustering and thickness measurement of anatomical variants of the human perirhinal cortex. <i>Lecture Notes in Computer Science</i> , 2014 , 17, 81-8	0.9	9
71	Three-dimensional mapping of neurofibrillary tangle burden in the human medial temporal lobe. <i>Brain</i> , 2021 , 144, 2784-2797	11.2	9
70	Modeling the Myxomatous Mitral Valve With Three-Dimensional Echocardiography. <i>Annals of Thoracic Surgery</i> , 2016 , 102, 703-710	2.7	8
69	Spatial Bias in Multi-Atlas Based Segmentation. <i>IEEE Computer Society Conference on Computer Vision and Pattern Recognition Workshops</i> , 2012 , 2012, 909-916	1.3	8

68	Shape-based alignment of hippocampal subfields: evaluation in postmortem MRI. <i>Lecture Notes in Computer Science</i> , 2008 , 11, 510-7	0.9	8
67	Automated Multi-Atlas Segmentation of Hippocampal and Extrahippocampal Subregions in Alzheimer's Disease at 3T and 7T: What Atlas Composition Works Best?. <i>Journal of Alzheimer's Disease</i> , 2018 , 63, 217-225	4.3	7
66	Self-gated MRI of multiple beat morphologies in the presence of arrhythmias. <i>Magnetic Resonance in Medicine</i> , 2017 , 78, 678-688	4.4	7
65	3D mesh based wall thickness measurement: identification of left ventricular hypertrophy phenotypes. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2010 , 2010, 2642-5	0.9	7
64	Cardiac medial modeling and time-course heart wall thickness analysis. <i>Lecture Notes in Computer Science</i> , 2008 , 11, 766-73	0.9	7
63	A tract-specific framework for white matter morphometry combining macroscopic and microscopic tract features. <i>Lecture Notes in Computer Science</i> , 2009 , 12, 141-9	0.9	7
62	Clinical validation of automated hippocampal segmentation in temporal lobe epilepsy. <i>NeuroImage: Clinical</i> , 2018 , 20, 1139-1147	5.3	7
61	Combining Deep Learning and Multi-atlas Label Fusion for Automated Placenta Segmentation from 3DUS. <i>Lecture Notes in Computer Science</i> , 2018 , 138-148	0.9	7
60	RECONSTRUCTION OF THE HUMAN HIPPOCAMPUS IN 3D FROM HISTOLOGY AND HIGH-RESOLUTION EX-VIVO MRI 2012 , 2012, 294-297	1.5	6
59	Task-enhanced arterial spin labeled perfusion MRI predicts longitudinal neurodegeneration in mild cognitive impairment. <i>Hippocampus</i> , 2019 , 29, 26-36	3.5	6
58	Neural and behavioral correlates of episodic memory are associated with temporal discounting in older adults. <i>Neuropsychologia</i> , 2020 , 146, 107549	3.2	5
57	Globally Optimal Label Fusion with Shape Priors. <i>Lecture Notes in Computer Science</i> , 2016 , 9901, 538-546	0.9	5
56	Clinical Application of Automatic Segmentation of Medial Temporal Lobe Subregions in Prodromal and Dementia-Level Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2016 , 54, 1027-1037	4.3	5
55	Standing on the shoulders of giants: improving medical image segmentation via bias correction. <i>Lecture Notes in Computer Science</i> , 2010 , 13, 105-12	0.9	5
54	Parametric medial shape representation in 3-D via the Poisson partial differential equation with non-linear boundary conditions. <i>Lecture Notes in Computer Science</i> , 2005 , 19, 162-73	0.9	5
53	Statistical modeling of shape and appearance using the continuous medial representation. <i>Lecture Notes in Computer Science</i> , 2005 , 8, 725-32	0.9	5
52	Segmentation of the Aortic Valve Apparatus in 3D Echocardiographic Images: Deformable Modeling of a Branching Medial Structure. <i>Lecture Notes in Computer Science</i> , 2015 , 8896, 196-203	0.9	5
51	Multi-atlas label fusion with augmented atlases for fast and accurate segmentation of cardiac MR images 2015 ,		4

50	TAPAS: A Thresholding Approach for Probability Map Automatic Segmentation in Multiple Sclerosis. <i>NeuroImage: Clinical</i> , 2020 , 27, 102256	5.3	4
49	DEPENDENCY PRIOR FOR MULTI-ATLAS LABEL FUSION 2012 , 2012, 892-895	1.5	4
48	Associative memory for conceptually unitized word pairs in mild cognitive impairment is related to the volume of the perirhinal cortex. <i>Hippocampus</i> , 2019 , 29, 630-638	3.5	4
47	Intraoperative post-annuloplasty three-dimensional valve analysis does not predict recurrent ischemic mitral regurgitation. <i>Journal of Cardiothoracic Surgery</i> , 2020 , 15, 161	1.6	3
46	Gradient Boosted Trees for Corrective Learning. <i>Lecture Notes in Computer Science</i> , 2017 , 10541, 203-210.	0.9	3
45	Minimally interactive placenta segmentation from three-dimensional ultrasound images. <i>Journal of Medical Imaging</i> , 2020 , 7, 014004	2.6	3
44	Tau-Atrophy Variability Reveals Phenotypic Heterogeneity in Alzheimer's Disease. <i>Annals of Neurology</i> , 2021 , 90, 751-762	9.4	3
43	Dice Overlap Measures for Objects of Unknown Number: Application to Lesion Segmentation. <i>Lecture Notes in Computer Science</i> , 2018 , 10670, 3-14	0.9	3
42	Joint Intensity Fusion Image Synthesis Applied to Multiple Sclerosis Lesion Segmentation. <i>Lecture Notes in Computer Science</i> , 2018 , 43-54	0.9	3
41	Gender differences in cerebral cortical folding: multivariate complexity-shape analysis with insights into handling brain-volume differences. <i>Lecture Notes in Computer Science</i> , 2009 , 12, 200-7	0.9	3
40	Building an Ex Vivo Atlas of the Earliest Brain Regions Affected by Alzheimer's Disease Pathology 2020 ,		3
39	Spatiotemporal Segmentation and Modeling of the Mitral Valve in Real-Time 3D Echocardiographic Images. <i>Lecture Notes in Computer Science</i> , 2017 , 10433, 746-754	0.9	2
38	Building an atlas of hippocampal subfields using postmortem MRI 2008 ,		2
37	Branching medial models for cardiac shape representation 2008 ,		2
36	Ex vivo MRI and histopathology detect novel iron-rich cortical inflammation in frontotemporal lobar degeneration with tau versus TDP-43 pathology.. <i>NeuroImage: Clinical</i> , 2021 , 33, 102913	5.3	2
35	Joint Intensity Fusion Image Synthesis Applied to Multiple Sclerosis Lesion Segmentation 2018 , 10670, 43-54		2
34	4D-transesophageal echocardiography and emerging imaging modalities for guiding mitral valve repair. <i>Annals of Cardiothoracic Surgery</i> , 2015 , 4, 461-2	4.7	2
33	Anatomy-Based Visualizations of Diffusion Tensor Images of Brain White Matter. <i>Mathematics and Visualization</i> , 2006 , 155-163	0.6	2

32	Characterizing Anatomical Variability And Alzheimer's Disease Related Cortical Thinning in the Medial Temporal Lobe Using Graph-Based Groupwise Registration And Point Set Geodesic Shooting. <i>Lecture Notes in Computer Science</i> , 2018 , 11167, 28-37	0.9	2
31	Improving Multi-atlas Segmentation by Convolutional Neural Network Based Patch Error Estimation. <i>Lecture Notes in Computer Science</i> , 2019 , 347-355	0.9	2
30	Probabilistic Atlas of the Human Hippocampus Combining Ex Vivo MRI and Histology. <i>Lecture Notes in Computer Science</i> , 2016 , 63-71	0.9	2
29	Tensor-based morphometry of fibrous structures with application to human brain white matter. <i>Lecture Notes in Computer Science</i> , 2009 , 12, 466-73	0.9	2
28	Guiding automatic segmentation with multiple manual segmentations. <i>Lecture Notes in Computer Science</i> , 2012 , 15, 429-36	0.9	2
27	Structure-Specific Statistical Mapping of White Matter Tracts. <i>Mathematics and Visualization</i> , 2009 , 83-1126		2
26	3D Mapping of TAU Neurofibrillary Tangle Pathology in the Human Medial Temporal Lobe 2020 ,		2
25	A framework for informing segmentation of in vivo MRI with information derived from ex vivo imaging: Application in the medial temporal lobe. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2016 , 2016, 6014-6017	0.9	1
24	Shape-based semi-automatic hippocampal subfield segmentation with learning-based bias removal 2010 ,		1
23	Hippocampus segmentation using a stable maximum likelihood classifier ensemble algorithm 2011 ,		1
22	Surface-based modeling of white matter fasciculi with orientation encoding 2008 ,		1
21	Multiple Sclerosis Lesion Segmentation Using Joint Label Fusion. <i>Lecture Notes in Computer Science</i> , 2017 , 10530, 138-145	0.9	1
20	Neural and behavioral correlates of episodic memory are associated with temporal discounting in older adults		1
19	Automated Meshing of Anatomical Shapes for Deformable Medial Modeling: Application to the Placenta in 3D Ultrasound 2020 ,		1
18	Oh brother, where art tau? Amyloid, neurodegeneration, and cognitive decline without elevated tau. <i>NeuroImage: Clinical</i> , 2021 , 31, 102717	5.3	1
17	Tau pathology mediates age effects on medial temporal lobe structure. <i>Neurobiology of Aging</i> , 2021 , 109, 135-144	5.6	1
16	Fully Automated Placental Volume Quantification From 3DUS for Prediction of Small-for-Gestational-Age Infants. <i>Journal of Ultrasound in Medicine</i> , 2021 ,	2.9	1
15	Ex vivo MRI atlas of the human medial temporal lobe: characterizing neurodegeneration due to tau pathology. <i>Acta Neuropathologica Communications</i> , 2021 , 9, 173	7.3	0

14	Hippocampus-specific fMRI group activation analysis with continuous M-Reps. <i>Lecture Notes in Computer Science</i> , 2006 , 9, 284-91	0.9	o
13	Cross-sectional and longitudinal medial temporal lobe subregional atrophy patterns in semantic variant primary progressive aphasia. <i>Neurobiology of Aging</i> , 2021 , 98, 231-241	5.6	o
12	Deep Label Fusion: A 3D End-To-End Hybrid Multi-atlas Segmentation and Deep Learning Pipeline. <i>Lecture Notes in Computer Science</i> , 2021 , 428-439	0.9	o
11	Sensitive Measures of Cognition in Mild Cognitive Impairment. <i>Journal of Alzheimer's Disease</i> , 2021 , 82, 1123-1136	4.3	o
10	DeepAtrophy: Teaching a neural network to detect progressive changes in longitudinal MRI of the hippocampal region in Alzheimer's disease. <i>NeuroImage</i> , 2021 , 243, 118514	7.9	o
9	Dissociation of tau pathology and neuronal hypometabolism within the ATN framework of Alzheimer's disease.. <i>Nature Communications</i> , 2022 , 13, 1495	17.4	o
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