

Paul A Yushkevich

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1697767/publications.pdf>

Version: 2024-02-01

186
papers

19,890
citations

57752

44
h-index

13375

130
g-index

196
all docs

196
docs citations

196
times ranked

23826
citing authors

#	ARTICLE	IF	CITATIONS
1	User-guided 3D active contour segmentation of anatomical structures: Significantly improved efficiency and reliability. <i>NeuroImage</i> , 2006, 31, 1116-1128.	4.2	6,669
2	N4ITK: Improved N3 Bias Correction. <i>IEEE Transactions on Medical Imaging</i> , 2010, 29, 1310-1320.	8.9	4,205
3	Multi-Atlas Segmentation with Joint Label Fusion. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2013, 35, 611-623.	13.9	699
4	The optimal template effect in hippocampus studies of diseased populations. <i>NeuroImage</i> , 2010, 49, 2457-2466.	4.2	605
5	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, 258-287.	3.6	454
6	Deformable registration of diffusion tensor MR images with explicit orientation optimization. <i>Medical Image Analysis</i> , 2006, 10, 764-785.	11.6	453
7	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, 526-541.	4.2	284
8	Segmentation, registration, and measurement of shape variation via image object shape. <i>IEEE Transactions on Medical Imaging</i> , 1999, 18, 851-865.	8.9	268
9	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, 1585-1597.	8.9	250
10	ITK-SNAP: An interactive tool for semi-automatic segmentation of multi-modality biomedical images. , 2016, 2016, 3342-3345.		250
11	Nearly automatic segmentation of hippocampal subfields in in vivo focal T2-weighted MRI. <i>NeuroImage</i> , 2010, 53, 1208-1224.	4.2	222
12	Deformable M-Reps for 3D Medical Image Segmentation. <i>International Journal of Computer Vision</i> , 2003, 55, 85-106.	15.6	202
13	Multi-atlas segmentation with joint label fusion and corrective learning” an open source implementation. <i>Frontiers in Neuroinformatics</i> , 2013, 7, 27.	2.5	188
14	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, 968-985.	4.2	162
15	A high-resolution computational atlas of the human hippocampus from postmortem magnetic resonance imaging at 9.4ÅT. <i>NeuroImage</i> , 2009, 44, 385-398.	4.2	160
16	Structure-specific statistical mapping of white matter tracts. <i>NeuroImage</i> , 2008, 41, 448-461.	4.2	158
17	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.	7.1	136
18	Histology-derived volumetric annotation of the human hippocampal subfields in postmortem MRI. <i>NeuroImage</i> , 2014, 84, 505-523.	4.2	133

#	ARTICLE	IF	CITATIONS
19	A harmonized segmentation protocol for hippocampal and parahippocampal subregions: Why do we need one and what are the key goals?. Hippocampus, 2017, 27, 3-11.	1.9	130
20	Continuous Medial Representation for Anatomical Structures. IEEE Transactions on Medical Imaging, 2006, 25, 1547-1564.	8.9	119
21	Bias in estimation of hippocampal atrophy using deformation-based morphometry arises from asymmetric global normalization: An illustration in ADNI 3 T MRI data. NeuroImage, 2010, 50, 434-445.	4.2	116
22	Multiscale deformable model segmentation and statistical shape analysis using medial descriptions. IEEE Transactions on Medical Imaging, 2002, 21, 538-550.	8.9	112
23	A protocol for manual segmentation of medial temporal lobe subregions in 7 Tesla MRI. NeuroImage: Clinical, 2017, 15, 466-482.	2.7	111
24	Cancer imaging phenomics toolkit: quantitative imaging analytics for precision diagnostics and predictive modeling of clinical outcome. Journal of Medical Imaging, 2018, 5, 1.	1.5	110
25	Neuroinformatics for Genome-Wide 3-D Gene Expression Mapping in the Mouse Brain. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2007, 4, 382-393.	3.0	109
26	In vivo Analysis of Hippocampal Subfield Atrophy in Mild Cognitive Impairment via Semi-Automatic Segmentation of T2-Weighted MRI. Journal of Alzheimer's Disease, 2012, 31, 85-99.	2.6	99
27	User-Guided Segmentation of Multi-modality Medical Imaging Datasets with ITK-SNAP. Neuroinformatics, 2019, 17, 83-102.	2.8	97
28	ITK-SNAP: An Intractive Medical Image Segmentation Tool to Meet the Need for Expert-Guided Segmentation of Complex Medical Images. IEEE Pulse, 2017, 8, 54-57.	0.3	96
29	Hippocampal subfield volumetry from structural isotropic 1 mm ³ MRI scans: A note of caution. Human Brain Mapping, 2021, 42, 539-550.	3.6	84
30	Increased functional connectivity within medial temporal lobe in mild cognitive impairment. Hippocampus, 2013, 23, 1-6.	1.9	79
31	Early stages of tau pathology and its associations with functional connectivity, atrophy and memory. Brain, 2021, 144, 2771-2783.	7.6	78
32	ANHIR: Automatic Non-Rigid Histological Image Registration Challenge. IEEE Transactions on Medical Imaging, 2020, 39, 3042-3052.	8.9	75
33	Automated segmentation of medial temporal lobe subregions on in vivo T1-weighted MRI in early stages of Alzheimer's disease. Human Brain Mapping, 2019, 40, 3431-3451.	3.6	71
34	Fully automatic segmentation of the mitral leaflets in 3D transesophageal echocardiographic images using multi-atlas joint label fusion and deformable medial modeling. Medical Image Analysis, 2014, 18, 118-129.	11.6	70
35	Medial temporal lobe subregional morphometry using high resolution MRI in Alzheimer's disease. Neurobiology of Aging, 2017, 49, 204-213.	3.1	70
36	Unbiased White Matter Atlas Construction Using Diffusion Tensor Images. , 2007, 10, 211-218.		66

#	ARTICLE	IF	CITATIONS
37	Automated Hippocampal Subfield Segmentation at 7T MRI. American Journal of Neuroradiology, 2016, 37, 1050-1057.	2.4	66
38	Suspected non-AD pathology in mild cognitive impairment. Neurobiology of Aging, 2015, 36, 3152-3162.	3.1	63
39	Assessing atrophy measurement techniques in dementia: Results from the MIRIAD atrophy challenge. NeuroImage, 2015, 123, 149-164.	4.2	63
40	Cerebral cortical folding analysis with multivariate modeling and testing: Studies on gender differences and neonatal development. NeuroImage, 2010, 53, 450-459.	4.2	62
41	Longitudinal and cross-sectional structural magnetic resonance imaging correlates of AV-1451 uptake. Neurobiology of Aging, 2018, 66, 49-58.	3.1	61
42	Mapping the structural and functional network architecture of the medial temporal lobe using 7T MRI. Human Brain Mapping, 2018, 39, 851-865.	3.6	60
43	Continuous medial representations for geometric object modeling in 2D and 3D. Image and Vision Computing, 2003, 21, 17-27.	4.5	59
44	Systematic comparison of different techniques to measure hippocampal subfield volumes in ADNI2. NeuroImage: Clinical, 2018, 17, 1006-1018.	2.7	56
45	Preoperative Three-Dimensional Valve Analysis Predicts Recurrent Ischemic Mitral Regurgitation After Mitral Annuloplasty. Annals of Thoracic Surgery, 2016, 101, 567-575.	1.3	53
46	A tract-specific framework for white matter morphometry combining macroscopic and microscopic tract features. Medical Image Analysis, 2010, 14, 666-673.	11.6	52
47	Regression-based label fusion for multi-atlas segmentation. , 2011, , 1113-1120.		49
48	Structural and functional asymmetry of medial temporal subregions in unilateral temporal lobe epilepsy: A 7T MRI study. Human Brain Mapping, 2019, 40, 2390-2398.	3.6	49
49	White matter imaging contributes to the multimodal diagnosis of frontotemporal lobar degeneration. Neurology, 2012, 78, 1761-1768.	1.1	48
50	Anterior and posterior MTL networks in aging and MCI. Neurobiology of Aging, 2015, 36, S141-S150.e1.	3.1	44
51	Contribution of mixed pathology to medial temporal lobe atrophy in Alzheimer's disease. Alzheimer's and Dementia, 2020, 16, 843-852.	0.8	43
52	ICâ€Pâ€174: Fast Automatic Segmentation of Hippocampal Subfields and Medial Temporal Lobe Subregions In 3 Tesla and 7 Tesla T2â€Weighted MRI. Alzheimer's and Dementia, 2016, 12, P126.	0.8	42
53	Semi-automated mitral valve morphometry and computational stress analysis using 3D ultrasound. Journal of Biomechanics, 2012, 45, 903-907.	2.1	41
54	Neural Correlates of Verbal Episodic Memory and Lexical Retrieval in Logopenic Variant Primary Progressive Aphasia. Frontiers in Neuroscience, 2017, 11, 330.	2.8	38

#	ARTICLE	IF	CITATIONS
55	Three-dimensional mapping of neurofibrillary tangle burden in the human medial temporal lobe. <i>Brain</i> , 2021, 144, 2784-2797.	7.6	38
56	Continuous medial representation of brain structures using the biharmonic PDE. <i>NeuroImage</i> , 2009, 45, S99-S110.	4.2	37
57	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.	1.7	37
58	Hippocampal volumetry and functional MRI of memory in temporal lobe epilepsy. <i>Epilepsy and Behavior</i> , 2009, 16, 128-138.	1.7	35
59	Measuring longitudinal change in the hippocampal formation from in vivo high-resolution T2-weighted MRI. <i>NeuroImage</i> , 2012, 60, 1266-1279.	4.2	35
60	A tract-specific approach to assessing white matter in preterm infants. <i>NeuroImage</i> , 2017, 157, 675-694.	4.2	35
61	Progress update from the hippocampal subfields group. <i>Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring</i> , 2019, 11, 439-449.	2.4	34
62	Longitudinal atrophy in early Braak regions in preclinical Alzheimer's disease. <i>Human Brain Mapping</i> , 2020, 41, 4704-4717.	3.6	34
63	The Cancer Imaging Phenomics Toolkit (CaPTk): Technical Overview. <i>Lecture Notes in Computer Science</i> , 2020, 11993, 380-394.	1.3	34
64	White Matter Disease Contributes to Apathy and Disinhibition in Behavioral Variant Frontotemporal Dementia. <i>Cognitive and Behavioral Neurology</i> , 2014, 27, 206-214.	0.9	33
65	In-vivo heterogeneous functional and residual strains in human aortic valve leaflets. <i>Journal of Biomechanics</i> , 2016, 49, 2481-2490.	2.1	32
66	Optimal Weights for Multi-atlas Label Fusion. <i>Lecture Notes in Computer Science</i> , 2011, 22, 73-84.	1.3	32
67	Multi-atlas Segmentation with Robust Label Transfer and Label Fusion. <i>Lecture Notes in Computer Science</i> , 2013, 23, 548-559.	1.3	32
68	Characterization of hippocampal subfields using ex vivo MRI and histology data: Lessons for in vivo segmentation. <i>Hippocampus</i> , 2020, 30, 545-564.	1.9	31
69	A brain stress test: Cerebral perfusion during memory encoding in mild cognitive impairment. <i>NeuroImage: Clinical</i> , 2016, 11, 388-397.	2.7	30
70	Multi-template analysis of human perirhinal cortex in brain MRI: Explicitly accounting for anatomical variability. <i>NeuroImage</i> , 2017, 144, 183-202.	4.2	30
71	Development of a semi-automated method for mitral valve modeling with medial axis representation using 3D ultrasound. <i>Medical Physics</i> , 2012, 39, 933-950.	3.0	29
72	White Matter Disease Correlates with Lexical Retrieval Deficits in Primary Progressive Aphasia. <i>Frontiers in Neurology</i> , 2013, 4, 212.	2.4	29

#	ARTICLE	IF	CITATIONS
73	Early Tau Burden Correlates with Higher Rate of Atrophy in Transentorhinal Cortex. Journal of Alzheimer's Disease, 2018, 62, 85-92.	2.6	29
74	Quantitative MRI of Perivascular Spaces at 3T for Early Diagnosis of Mild Cognitive Impairment. American Journal of Neuroradiology, 2018, 39, 1622-1628.	2.4	29
75	Hippocampus-specific fMRI group activation analysis using the continuous medial representation. NeuroImage, 2007, 35, 1516-1530.	4.2	28
76	Robust Automated Amygdala Segmentation via Multi-Atlas Diffeomorphic Registration. Frontiers in Neuroscience, 2012, 6, 166.	2.8	28
77	Multi-atlas Segmentation without Registration: A Supervoxel-Based Approach. Lecture Notes in Computer Science, 2013, 16, 535-542.	1.3	28
78	Automatic Cardiac MRI Segmentation Using a Biventricular Deformable Medial Model. Lecture Notes in Computer Science, 2010, 13, 468-475.	1.3	26
79	Medially constrained deformable modeling for segmentation of branching medial structures: Application to aortic valve segmentation and morphometry. Medical Image Analysis, 2015, 26, 217-231.	11.6	26
80	The value of preoperative 3-dimensional over 2-dimensional valve analysis in predicting recurrent ischemic mitral regurgitation after mitral annuloplasty. Journal of Thoracic and Cardiovascular Surgery, 2016, 152, 847-859.	0.8	26
81	Intuitive, Localized Analysis of Shape Variability. Lecture Notes in Computer Science, 2001, , 402-408.	1.3	26
82	Feature Selection for Shape-Based Classification of Biological Objects. Lecture Notes in Computer Science, 2003, 18, 114-125.	1.3	25
83	Statistical Assessment of Normal Mitral Annular Geometry Using Automated Three-Dimensional Echocardiographic Analysis. Annals of Thoracic Surgery, 2014, 97, 71-77.	1.3	25
84	Structure-Specific Statistical Mapping of White Matter Tracts using the Continuous Medial Representation. , 2007, , .		24
85	Structure specific analysis of the hippocampus in temporal lobe epilepsy. Hippocampus, 2009, 19, 517-525.	1.9	24
86	InÂvivo measures of tau burden are associated with atrophy in early Braak stage medial temporal lobe regions in amyloidâ€negative individuals. Alzheimer's and Dementia, 2019, 15, 1286-1295.	0.8	24
87	Medial Temporal Lobe Networks in Alzheimer's Disease: Structural and Molecular Vulnerabilities. Journal of Neuroscience, 2022, 42, 2131-2141.	3.6	23
88	3D Cerebral Cortical Morphometry in Autism: Increased Folding in Children and Adolescents in Frontal, Parietal, and Temporal Lobes. Lecture Notes in Computer Science, 2008, 11, 559-567.	1.3	22
89	Accounting for the Confound of Meninges in Segmenting Entorhinal and Perirhinal Cortices in T1-Weighted MRI. Lecture Notes in Computer Science, 2016, 9901, 564-571.	1.3	21
90	Regional Structural Characterization of the Brain of Schizophrenia Patients1. Academic Radiology, 2005, 12, 1250-1261.	2.5	20

#	ARTICLE	IF	CITATIONS
91	Quantification of Left Ventricular Function With Premature Ventricular Complexes Reveals Variable Hemodynamics. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2016, 9, e003520.	4.8	20
92	Longitudinal Changes in Hippocampal Subfield Volume Associated with Collegiate Football. <i>Journal of Neurotrauma</i> , 2019, 36, 2762-2773.	3.4	20
93	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.	3.3	19
94	Tau-Atrophy Variability Reveals Phenotypic Heterogeneity in Alzheimer's Disease. <i>Annals of Neurology</i> , 2021, 90, 751-762.	5.3	19
95	Shape-Based Normalization of the Corpus Callosum for DTI Connectivity Analysis. <i>IEEE Transactions on Medical Imaging</i> , 2007, 26, 1166-1178.	8.9	18
96	Heterogeneity of functional activation during memory encoding across hippocampal subfields in temporal lobe epilepsy. <i>NeuroImage</i> , 2011, 58, 1121-1130.	4.2	18
97	Real-Time Magnetic Resonance Imaging Technique for Determining Left Ventricle Pressure-Volume Loops. <i>Annals of Thoracic Surgery</i> , 2014, 97, 1597-1603.	1.3	18
98	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, 552-563.	1.3	18
99	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.	1.3	17
100	A Computational White Matter Atlas for Aging with Surface-Based Representation of Fasciculi. <i>Lecture Notes in Computer Science</i> , 2010, , 83-90.	1.3	17
101	Groupwise Segmentation with Multi-atlas Joint Label Fusion. <i>Lecture Notes in Computer Science</i> , 2013, 16, 711-718.	1.3	17
102	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> , 2022, 33, 102913.	2.7	17
103	Neural and behavioral correlates of episodic memory are associated with temporal discounting in older adults. <i>Neuropsychologia</i> , 2020, 146, 107549.	1.6	16
104	Automated Segmentation and Geometrical Modeling of the Tricuspid Aortic Valve in 3D Echocardiographic Images. <i>Lecture Notes in Computer Science</i> , 2013, 16, 485-492.	1.3	16
105	From label fusion to correspondence fusion: A new approach to unbiased groupwise registration. , 2012, , 956-963.		14
106	Clinical validation of automated hippocampal segmentation in temporal lobe epilepsy. <i>NeuroImage: Clinical</i> , 2018, 20, 1139-1147.	2.7	14
107	Ex vivo MRI atlas of the human medial temporal lobe: characterizing neurodegeneration due to tau pathology. <i>Acta Neuropathologica Communications</i> , 2021, 9, 173.	5.2	14
108	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, 285-296.	1.8	12

#	ARTICLE	IF	CITATIONS
109	Cardiac Medial Modeling and Time-Course Heart Wall Thickness Analysis. Lecture Notes in Computer Science, 2008, 11, 766-773.	1.3	12
110	Deformable Modeling Using a 3D Boundary Representation with Quadratic Constraints on the Branching Structure of the Blum Skeleton. Lecture Notes in Computer Science, 2013, 23, 280-291.	1.3	12
111	Automated Multi-Atlas Segmentation of Hippocampal and Extrahippocampal Subregions in Alzheimer's Disease at 3T and 7T: What Atlas Composition Works Best?. Journal of Alzheimer's Disease, 2018, 63, 217-225.	2.6	11
112	Task-enhanced arterial spin labeled perfusion MRI predicts longitudinal neurodegeneration in mild cognitive impairment. Hippocampus, 2019, 29, 26-36.	1.9	11
113	Associative memory for conceptually unitized word pairs in mild cognitive impairment is related to the volume of the perirhinal cortex. Hippocampus, 2019, 29, 630-638.	1.9	11
114	ND morphological contour interpolation. The Insight Journal, 2016, , .	0.2	11
115	Dissociation of tau pathology and neuronal hypometabolism within the ATN framework of Alzheimer's disease. Nature Communications, 2022, 13, 1495.	12.8	11
116	Spatial bias in multi-atlas based segmentation. , 2012, 2012, 909-916.		10
117	Modeling the Myxomatous Mitral Valve With Three-Dimensional Echocardiography. Annals of Thoracic Surgery, 2016, 102, 703-710.	1.3	9
118	Clinical Application of Automatic Segmentation of Medial Temporal Lobe Subregions in Prodromal and Dementia-Level Alzheimer's Disease. Journal of Alzheimer's Disease, 2016, 54, 1027-1037.	2.6	9
119	Self-gated MRI of multiple beat morphologies in the presence of arrhythmias. Magnetic Resonance in Medicine, 2017, 78, 678-688.	3.0	9
120	Automatic Clustering and Thickness Measurement of Anatomical Variants of the Human Perirhinal Cortex. Lecture Notes in Computer Science, 2014, 17, 81-88.	1.3	9
121	Shape-Based Alignment of Hippocampal Subfields: Evaluation in Postmortem MRI. Lecture Notes in Computer Science, 2008, 11, 510-517.	1.3	9
122	Gradient Boosted Trees for Corrective Learning. Lecture Notes in Computer Science, 2017, 10541, 203-211.	1.3	8
123	Accurate and Robust Alignment of Differently Stained Histologic Images Based on Greedy Diffeomorphic Registration. Applied Sciences (Switzerland), 2021, 11, 1892.	2.5	8
124	Tau pathology mediates age effects on medial temporal lobe structure. Neurobiology of Aging, 2022, 109, 135-144.	3.1	8
125	A Tract-Specific Framework for White Matter Morphometry Combining Macroscopic and Microscopic Tract Features. Lecture Notes in Computer Science, 2009, 12, 141-149.	1.3	8
126	Parametric Medial Shape Representation in 3-D via the Poisson Partial Differential Equation with Non-linear Boundary Conditions. Lecture Notes in Computer Science, 2005, 19, 162-173.	1.3	7

#	ARTICLE	IF	CITATIONS
127	3D mesh based wall thickness measurement: Identification of left ventricular hypertrophy phenotypes. , 2010, 2010, 2642-5.		7
128	Reconstruction of the human hippocampus in 3D from histology and high-resolution ex-vivo MRI. , 2012, 2012, 294-297.		7
129	Segmentation of the Aortic Valve Apparatus in 3D Echocardiographic Images: Deformable Modeling of a Branching Medial Structure. Lecture Notes in Computer Science, 2015, 8896, 196-203.	1.3	7
130	Dependency prior for multi-atlas label fusion. , 2012, 2012, 892-895.		6
131	3D Mapping of TAU Neurofibrillary Tangle Pathology in the Human Medial Temporal Lobe. , 2020, , .		6
132	Oh brother, where art tau? Amyloid, neurodegeneration, and cognitive decline without elevated tau. NeuroImage: Clinical, 2021, 31, 102717.	2.7	6
133	DeepAtrophy: Teaching a neural network to detect progressive changes in longitudinal MRI of the hippocampal region in Alzheimer's disease. NeuroImage, 2021, 243, 118514.	4.2	6
134	Minimally interactive placenta segmentation from three-dimensional ultrasound images. Journal of Medical Imaging, 2020, 7, 1.	1.5	6
135	Statistical Modeling of Shape and Appearance Using the Continuous Medial Representation. Lecture Notes in Computer Science, 2005, 8, 725-732.	1.3	6
136	Standing on the Shoulders of Giants: Improving Medical Image Segmentation via Bias Correction. Lecture Notes in Computer Science, 2010, 13, 105-112.	1.3	5
137	Globally Optimal Label Fusion with Shape Priors. Lecture Notes in Computer Science, 2016, 9901, 538-546.	1.3	5
138	TAPAS: A Thresholding Approach for Probability Map Automatic Segmentation in Multiple Sclerosis. NeuroImage: Clinical, 2020, 27, 102256.	2.7	5
139	Cross-sectional and longitudinal medial temporal lobe subregional atrophy patterns in semantic variant primary progressive aphasia. Neurobiology of Aging, 2021, 98, 231-241.	3.1	5
140	Improving Multi-atlas Segmentation by Convolutional Neural Network Based Patch Error Estimation. Lecture Notes in Computer Science, 2019, , 347-355.	1.3	5
141	Dice Overlap Measures for Objects of Unknown Number: Application to Lesion Segmentation. Lecture Notes in Computer Science, 2018, 10670, 3-14.	1.3	5
142	Gender Differences in Cerebral Cortical Folding: Multivariate Complexity-Shape Analysis with Insights into Handling Brain-Volume Differences. Lecture Notes in Computer Science, 2009, 12, 200-207.	1.3	5
143	Branching medial models for cardiac shape representation. , 2008, , .		4
144	Hippocampus segmentation using a stable maximum likelihood classifier ensemble algorithm. , 2011, , .		4

#	ARTICLE	IF	CITATIONS
145	Multi-atlas label fusion with augmented atlases for fast and accurate segmentation of cardiac MR images. , 2015, , .		4
146	Spatiotemporal Segmentation and Modeling of the Mitral Valve in Real-Time 3D Echocardiographic Images. Lecture Notes in Computer Science, 2017, 10433, 746-754.	1.3	4
147	Intraoperative post-annuloplasty three-dimensional valve analysis does not predict recurrent ischemic mitral regurgitation. Journal of Cardiothoracic Surgery, 2020, 15, 161.	1.1	4
148	Fully Automated Placental Volume Quantification From <sc>3D</sc> Ultrasound for Prediction of Smallâ€forâ€Gestationalâ€Age Infants. Journal of Ultrasound in Medicine, 2022, 41, 1509-1524.	1.7	4
149	4D-transesophageal echocardiography and emerging imaging modalities for guiding mitral valve repair. Annals of Cardiothoracic Surgery, 2015, 4, 461-2.	1.7	4
150	Structure-Specific Statistical Mapping of White Matter Tracts. Mathematics and Visualization, 2009, , 83-112.	0.6	4
151	Characterizing Anatomical Variability and Alzheimerâ€™s Disease Related Cortical Thinning in the Medial Temporal Lobe Using Graph-Based Groupwise Registration and Point Set Geodesic Shooting. Lecture Notes in Computer Science, 2018, 11167, 28-37.	1.3	4
152	Self- and Partner-Reported Subjective Memory Complaints: Association with Objective Cognitive Impairment and Risk of Decline. Journal of Alzheimer's Disease Reports, 2022, 6, 411-430.	2.2	4
153	Building an Ex Vivo Atlas of the Earliest Brain Regions Affected by Alzheimer's Disease Pathology. , 2020, , .		3
154	Joint Intensity Fusion Image Synthesis Applied to Multiple Sclerosis Lesion Segmentation. Lecture Notes in Computer Science, 2018, , 43-54.	1.3	3
155	Anatomy-Based Visualizations of Diffusion Tensor Images of Brain White Matter. Mathematics and Visualization, 2006, , 155-163.	0.6	3
156	Building an atlas of hippocampal subfields using postmortem MRI. , 2008, , .		2
157	A framework for informing segmentation of in vivo MRI with information derived from ex vivo imaging: Application in the medial temporal lobe. , 2016, 2016, 6014-6017.		2
158	Automated Meshing of Anatomical Shapes for Deformable Medial Modeling: Application to the Placenta in 3D Ultrasound. , 2020, , .		2
159	Automatic Segmentation of Bone Selective MR Images for Visualization and Craniometry of the Cranial Vault. Academic Radiology, 2022, 29, S98-S106.	2.5	2
160	Sensitive Measures of Cognition in Mild Cognitive Impairment. Journal of Alzheimer's Disease, 2021, 82, 1123-1136.	2.6	2
161	Probabilistic Atlas of the Human Hippocampus Combining Ex Vivo MRI and Histology. Lecture Notes in Computer Science, 2016, , 63-71.	1.3	2
162	Tensor-Based Morphometry of Fibrous Structures with Application to Human Brain White Matter. Lecture Notes in Computer Science, 2009, 12, 466-473.	1.3	2

#	ARTICLE	IF	CITATIONS
163	Guiding Automatic Segmentation with Multiple Manual Segmentations. Lecture Notes in Computer Science, 2012, 15, 429-436.	1.3	2
164	Joint Intensity Fusion Image Synthesis Applied to Multiple Sclerosis Lesion Segmentation. , 2018, 10670, 43-54.		2
165	Surface-based modeling of white matter fasciculi with orientation encoding. , 2008, , .		1
166	Ventricular wall thickness analysis in acute myocardial infarction and hypertrophic cardiomyopathy. , 2009, , .		1
167	Shape-based semi-automatic hippocampal subfield segmentation with learning-based bias removal. , 2010, , .		1
168	Guest editorial. Neurobiology of Aging, 2015, 36, S1-S2.	3.1	1
169	Deep Label Fusion: A 3D End-To-End Hybrid Multi-atlas Segmentation and Deep Learning Pipeline. Lecture Notes in Computer Science, 2021, , 428-439.	1.3	1
170	Multiple Sclerosis Lesion Segmentation Using Joint Label Fusion. Lecture Notes in Computer Science, 2017, 10530, 138-145.	1.3	1
171	Hippocampus-Specific fMRI Group Activation Analysis with Continuous M-Reps. Lecture Notes in Computer Science, 2006, 9, 284-291.	1.3	1
172	RLEImage: run-length encoded memory compression scheme for an itk::Image. The Insight Journal, 2016, , .	0.2	1
173	Early stages of tau pathology and its associations with functional connectivity, atrophy and memory. Alzheimer's and Dementia, 2021, 17, .	0.8	1
174	Fully Automated 3D Segmentation and Diffeomorphic Medial Modeling of the Left Ventricle Mitral Valve Complex in Ischemic Mitral Regurgitation. Medical Image Analysis, 2022, 80, 102513.	11.6	1
175	NON-UNIFORM SMOOTHING IN HIPPOCAMPUS-SPECIFIC GROUP FMRI ANALYSIS. , 2007, , .		0
176	Spatial correspondence based asymmetry analysis in FMRI. , 2008, , .		0
177	Fully automatic segmentation of the open mitral leaflets in 3D transesophageal echocardiographic images using multi-atlas label fusion and deformable medial modeling. , 2012, , .		0
178	Dynamic shape modeling of the mitral valve from real-time 3D ultrasound images using continuous medial representation. , 2012, , .		0
179	Supervoxel-Based Hierarchical Markov Random Field Framework for Multi-atlas Segmentation. Lecture Notes in Computer Science, 2016, , 100-108.	1.3	0
180	Quantitative three-dimensional echocardiographic analysis of the bicuspid aortic valve and aortic root: A single modality approach. Journal of Cardiac Surgery, 2020, 35, 375-382.	0.7	0

#	ARTICLE	IF	CITATIONS
181	Multimodal image analysis and subvalvular dynamics in ischemic mitral regurgitation. JTCVS Open, 2021, 5, 48-60.	0.5	0
182	Diffeomorphic Medial Modeling. Lecture Notes in Computer Science, 2019, 11492, 208-220.	1.3	0
183	Semi-automated Image Segmentation of the Midsystolic Left Ventricular Mitral Valve Complex in Ischemic Mitral Regurgitation. Lecture Notes in Computer Science, 2019, 11395, 142-151.	1.3	0
184	Evaluation of Shape-Based Normalization in the Corpus Callosum for White Matter Connectivity Analysis. , 2007, 10, 777-784.		0
185	Live-Wire-ing the Insight Toolkit with Intelligent Scissors. The Insight Journal, 2009, , .	0.2	0
186	Regional distribution of tau pathology in subfields of hippocampus among phenotypic variants of AD and FTLD-tau.. Alzheimer's and Dementia, 2021, 17 Suppl 3, e052392.	0.8	0