

# Bennett Allan Landman

## List of Publications by Year in descending order

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419  
papers

12,182  
citations

50273

46  
h-index

42393

92  
g-index

451  
all docs

451  
docs citations

451  
times ranked

14417  
citing authors

#	ARTICLE	IF	CITATIONS
1	The future of digital health with federated learning. <i>Npj Digital Medicine</i> , 2020, 3, 119.	10.9	887
2	The ENIGMA Consortium: large-scale collaborative analyses of neuroimaging and genetic data. <i>Brain Imaging and Behavior</i> , 2014, 8, 153-182.	2.1	696
3	Water saturation shift referencing (WASSR) for chemical exchange saturation transfer (CEST) experiments. <i>Magnetic Resonance in Medicine</i> , 2009, 61, 1441-1450.	3.0	555
4	Multi-site genetic analysis of diffusion images and voxelwise heritability analysis: A pilot project of the ENIGMAâ€“DTI working group. <i>NeuroImage</i> , 2013, 81, 455-469.	4.2	354
5	Effects of signalâ€“noise ratio on the accuracy and reproducibility of diffusion tensor imagingâ€“derived fractional anisotropy, mean diffusivity, and principal eigenvector measurements at 1.5T. <i>Journal of Magnetic Resonance Imaging</i> , 2007, 26, 756-767.	3.4	336
6	Multi-parametric neuroimaging reproducibility: A 3-T resource study. <i>NeuroImage</i> , 2011, 54, 2854-2866.	4.2	318
7	Effects of diffusion weighting schemes on the reproducibility of DTI-derived fractional anisotropy, mean diffusivity, and principal eigenvector measurements at 1.5T. <i>NeuroImage</i> , 2007, 36, 1123-1138.	4.2	266
8	The Medical Segmentation Decathlon. <i>Nature Communications</i> , 2022, 13, .	12.8	252
9	Heritability of fractional anisotropy in human white matter: A comparison of Human Connectome Project and ENIGMA-DTI data. <i>NeuroImage</i> , 2015, 111, 300-311.	4.2	227
10	Limits to anatomical accuracy of diffusion tractography using modern approaches. <i>NeuroImage</i> , 2019, 185, 1-11.	4.2	200
11	Why rankings of biomedical image analysis competitions should be interpreted with care. <i>Nature Communications</i> , 2018, 9, 5217.	12.8	198
12	Non-local statistical label fusion for multi-atlas segmentation. <i>Medical Image Analysis</i> , 2013, 17, 194-208.	11.6	191
13	3D whole brain segmentation using spatially localized atlas network tiles. <i>NeuroImage</i> , 2019, 194, 105-119.	4.2	183
14	SynSeg-Net: Synthetic Segmentation Without Target Modality Ground Truth. <i>IEEE Transactions on Medical Imaging</i> , 2019, 38, 1016-1025.	8.9	163
15	Histological validation of diffusion MRI fiber orientation distributions and dispersion. <i>NeuroImage</i> , 2018, 165, 200-221.	4.2	156
16	Faster Mean-shift: GPU-accelerated clustering for cosine embedding-based cell segmentation and tracking. <i>Medical Image Analysis</i> , 2021, 71, 102048.	11.6	150
17	Prefrontal-Thalamic Anatomical Connectivity and Executive Cognitive Function in Schizophrenia. <i>Biological Psychiatry</i> , 2018, 83, 509-517.	1.3	145
18	Multi-site study of additive genetic effects on fractional anisotropy of cerebral white matter: Comparing meta and megaanalytical approaches for data pooling. <i>NeuroImage</i> , 2014, 95, 136-150.	4.2	127

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19	The Java Image Science Toolkit (JIST) for Rapid Prototyping and Publishing of Neuroimaging Software. Neuroinformatics, 2010, 8, 5-17.	2.8	121
20	Resolution of crossing fibers with constrained compressed sensing using diffusion tensor MRI. NeuroImage, 2012, 59, 2175-2186.	4.2	115
21	Evaluation of Six Registration Methods for the Human Abdomen on Clinically Acquired CT. IEEE Transactions on Biomedical Engineering, 2016, 63, 1563-1572.	4.2	111
22	Assessing the Accuracy of a Deep Learning Method to Risk Stratify Indeterminate Pulmonary Nodules. American Journal of Respiratory and Critical Care Medicine, 2020, 202, 241-249.	5.6	109
23	Confirmation of a gyral bias in diffusion MRI fiber tractography. Human Brain Mapping, 2018, 39, 1449-1466.	3.6	105
24	Challenges in diffusion MRI tractography – Lessons learned from international benchmark competitions. Magnetic Resonance Imaging, 2019, 57, 194-209.	1.8	99
25	Spinal cord grey matter segmentation challenge. NeuroImage, 2017, 152, 312-329.	4.2	97
26	Formulating Spatially Varying Performance in the Statistical Fusion Framework. IEEE Transactions on Medical Imaging, 2012, 31, 1326-1336.	8.9	95
27	Deep learning for brain tumor classification. Proceedings of SPIE, 2017, , .	0.8	95
28	Consistent cortical reconstruction and multi-atlas brain segmentation. NeuroImage, 2016, 138, 197-210.	4.2	94
29	Tractography dissection variability: What happens when 42 groups dissect 14 white matter bundles on the same dataset?. NeuroImage, 2021, 243, 118502.	4.2	94
30	Brain atrophy in long-term abstinent alcoholics who demonstrate impairment on a simulated gambling task. NeuroImage, 2006, 32, 1465-1471.	4.2	92
31	Development of chemical exchange saturation transfer at 7T. Magnetic Resonance in Medicine, 2011, 66, 831-838.	3.0	88
32	Synthesized b0 for diffusion distortion correction (Synb0-DisCo). Magnetic Resonance Imaging, 2019, 64, 62-70.	1.8	87
33	Comparison of 3D orientation distribution functions measured with confocal microscopy and diffusion MRI. NeuroImage, 2016, 129, 185-197.	4.2	85
34	Efficient multi-atlas abdominal segmentation on clinically acquired CT with SIMPLE context learning. Medical Image Analysis, 2015, 24, 18-27.	11.6	84
35	Comparing fully automated state-of-the-art cerebellum parcellation from magnetic resonance images. NeuroImage, 2018, 183, 150-172.	4.2	80
36	Cortical asymmetry in Parkinson's disease: early susceptibility of the left hemisphere. Brain and Behavior, 2016, 6, e00573.	2.2	79

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37	Adversarial synthesis learning enables segmentation without target modality ground truth. , 2018, , .		78
38	Robust Statistical Label Fusion Through Consensus Level, Labeler Accuracy, and Truth Estimation (COLLATE). IEEE Transactions on Medical Imaging, 2011, 30, 1779-1794.	8.9	73
39	Treated and treatment-naive alcoholics come from different populations. Alcohol, 2005, 35, 19-26.	1.7	64
40	Magnetic resonance imaging connectivity for the prediction of seizure outcome in temporal lobe epilepsy. Epilepsia, 2017, 58, 1251-1260.	5.1	62
41	Can increased spatial resolution solve the crossing fiber problem for diffusion MRI?. NMR in Biomedicine, 2017, 30, e3787.	2.8	61
42	Simultaneous Analysis and Quality Assurance for Diffusion Tensor Imaging. PLoS ONE, 2013, 8, e61737.	2.5	60
43	Distortion correction of diffusion weighted MRI without reverse phase-encoding scans or field-maps. PLoS ONE, 2020, 15, e0236418.	2.5	60
44	Reproducibility of tract-specific magnetization transfer and diffusion tensor imaging in the cervical spinal cord at 3 tesla. NMR in Biomedicine, 2010, 23, 207-217.	2.8	59
45	BIAS: Transparent reporting of biomedical image analysis challenges. Medical Image Analysis, 2020, 66, 101796.	11.6	59
46	A fiber coherence index for quality control of B-table orientation in diffusion MRI scans. Magnetic Resonance Imaging, 2019, 58, 82-89.	1.8	58
47	Brain connections derived from diffusion MRI tractography can be highly anatomically accurate if we know where white matter pathways start, where they end, and where they do not go. Brain Structure and Function, 2020, 225, 2387-2402.	2.3	58
48	Statistical parametric mapping of brain morphology: Sensitivity is dramatically increased by using brain-extracted images as inputs. NeuroImage, 2006, 30, 1187-1195.	4.2	56
49	Cross-scanner and cross-protocol multi-shell diffusion MRI data harmonization: Algorithms and results. NeuroImage, 2020, 221, 117128.	4.2	54
50	Network localization of clinical, cognitive, and neuropsychiatric symptoms in Alzheimer's disease. Brain, 2020, 143, 1249-1260.	7.6	53
51	Multi-Site Infant Brain Segmentation Algorithms: The iSeg-2019 Challenge. IEEE Transactions on Medical Imaging, 2021, 40, 1363-1376.	8.9	53
52	Learning implicit brain MRI manifolds with deep learning. , 2018, 10574, .		51
53	MRI Shows a Region-Specific Pattern of Atrophy in Spinocerebellar Ataxia Type 2. Cerebellum, 2012, 11, 272-279.	2.5	49
54	Groupwise multi-atlas segmentation of the spinal cord's internal structure. Medical Image Analysis, 2014, 18, 460-471.	11.6	49

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55	Region of interest correction factors improve reliability of diffusion imaging measures within and across scanners and field strengths. <i>NeuroImage</i> , 2015, 119, 406-416.	4.2	48
56	Relating structural and functional brainstem connectivity to disease measures in epilepsy. <i>Neurology</i> , 2018, 91, e67-e77.	1.1	48
57	Vascular burden and APOE $\epsilon$ 4 are associated with white matter microstructural decline in cognitively normal older adults. <i>NeuroImage</i> , 2019, 188, 572-583.	4.2	48
58	Deterministic inverse design of Tamm plasmon thermal emitters with multi-resonant control. <i>Nature Materials</i> , 2021, 20, 1663-1669.	27.5	46
59	Space and conventional diffusion imaging of axon and myelin damage in the rat spinal cord after axotomy. <i>Magnetic Resonance in Medicine</i> , 2010, 63, 1323-1335.	3.0	43
60	PreQual: An automated pipeline for integrated preprocessing and quality assurance of diffusion weighted MRI images. <i>Magnetic Resonance in Medicine</i> , 2021, 86, 456-470.	3.0	43
61	Diffusion tensor imaging at low SNR: nonmonotonic behaviors of tensor contrasts. <i>Magnetic Resonance Imaging</i> , 2008, 26, 790-800.	1.8	40
62	Biological parametric mapping with robust and non-parametric statistics. <i>NeuroImage</i> , 2011, 57, 423-430.	4.2	40
63	Regional Differences in Diffusion Tensor Imaging Measurements: Assessment of Intrarater and Interrater Variability. <i>American Journal of Neuroradiology</i> , 2008, 29, 1124-1127.	2.4	39
64	Baseline Cardiovascular Risk Predicts Subsequent Changes in Resting Brain Function. <i>Stroke</i> , 2012, 43, 1542-1547.	2.0	39
65	Robust Statistical Fusion of Image Labels. <i>IEEE Transactions on Medical Imaging</i> , 2012, 31, 512-522.	8.9	38
66	Vanderbilt University Institute of Imaging Science Center for Computational Imaging XNAT: A multimodal data archive and processing environment. <i>NeuroImage</i> , 2016, 124, 1097-1101.	4.2	38
67	Tractography reproducibility challenge with empirical data (TraCED): The 2017 ISMRM diffusion study group challenge. <i>Journal of Magnetic Resonance Imaging</i> , 2020, 51, 234-249.	3.4	38
68	Accelerated brain aging predicts impaired cognitive performance and greater disability in geriatric but not midlife adult depression. <i>Translational Psychiatry</i> , 2020, 10, 317.	4.8	37
69	Hierarchical performance estimation in the statistical label fusion framework. <i>Medical Image Analysis</i> , 2014, 18, 1070-1081.	11.6	36
70	Anatomical accuracy of standard-practice tractography algorithms in the motor system - A histological validation in the squirrel monkey brain. <i>Magnetic Resonance Imaging</i> , 2019, 55, 7-25.	1.8	36
71	Integrated Biomarkers for the Management of Indeterminate Pulmonary Nodules. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2021, 204, 1306-1316.	5.6	36
72	Splenomegaly Segmentation on Multi-Modal MRI Using Deep Convolutional Networks. <i>IEEE Transactions on Medical Imaging</i> , 2019, 38, 1185-1196.	8.9	35

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73	Fiber tractography bundle segmentation depends on scanner effects, vendor effects, acquisition resolution, diffusion sampling scheme, diffusion sensitization, and bundle segmentation workflow. <i>NeuroImage</i> , 2021, 242, 118451.	4.2	35
74	Fully convolutional neural networks improve abdominal organ segmentation. , 2018, 10574, .		34
75	Thalamocortical Anatomical Connectivity in Schizophrenia and Psychotic Bipolar Disorder. <i>Schizophrenia Bulletin</i> , 2020, 46, 1062-1071.	4.3	34
76	Characterizing Spatially Varying Performance to Improve Multi-atlas Multi-label Segmentation. <i>Lecture Notes in Computer Science</i> , 2011, 22, 85-96.	1.3	34
77	Prevalence of white matter pathways coming into a single white matter voxel orientation: The bottleneck issue in tractography. <i>Human Brain Mapping</i> , 2022, 43, 1196-1213.	3.6	34
78	Prenatal and postnatal maternal anxiety and amygdala structure and function in young children. <i>Scientific Reports</i> , 2021, 11, 4019.	3.3	33
79	Estimation and application of spatially variable noise fields in diffusion tensor imaging. <i>Magnetic Resonance Imaging</i> , 2009, 27, 741-751.	1.8	32
80	Functional Networks in Temporal-Lobe Epilepsy: A Voxel-Wise Study of Resting-State Functional Connectivity and Gray-Matter Concentration. <i>Brain Connectivity</i> , 2013, 3, 22-30.	1.7	32
81	Approaching expert results using a hierarchical cerebellum parcellation protocol for multiple inexpert human raters. <i>NeuroImage</i> , 2013, 64, 616-629.	4.2	32
82	Multi-atlas learner fusion: An efficient segmentation approach for large-scale data. <i>Medical Image Analysis</i> , 2015, 26, 82-91.	11.6	32
83	Simultaneous total intracranial volume and posterior fossa volume estimation using multi-atlas label fusion. <i>Human Brain Mapping</i> , 2017, 38, 599-616.	3.6	32
84	Anatomical context improves deep learning on the brain age estimation task. <i>Magnetic Resonance Imaging</i> , 2019, 62, 70-77.	1.8	32
85	White matter differences between essential tremor and Parkinson disease. <i>Neurology</i> , 2019, 92, e30-e39.	1.1	32
86	Robust estimation of spatially variable noise fields. <i>Magnetic Resonance in Medicine</i> , 2009, 62, 500-509.	3.0	30
87	Robust optic nerve segmentation on clinically acquired computed tomography. <i>Journal of Medical Imaging</i> , 2014, 1, 034006.	1.5	30
88	Intrinsic Functional Network Connectivity Is Associated With Clinical Symptoms and Cognition in Late-Life Depression. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2019, 4, 160-170.	1.5	30
89	Non-local STAPLE: An Intensity-Driven Multi-atlas Rater Model. <i>Lecture Notes in Computer Science</i> , 2012, 15, 426-434.	1.3	30
90	Complex geometric models of diffusion and relaxation in healthy and damaged white matter. <i>NMR in Biomedicine</i> , 2010, 23, 152-162.	2.8	29

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91	Splenomegaly segmentation using global convolutional kernels and conditional generative adversarial networks. , 2018, 10574, .		29
92	Anatomical context protects deep learning from adversarial perturbations in medical imaging. Neurocomputing, 2020, 379, 370-378.	5.9	29
93	Fully automatic liver attenuation estimation combining CNN segmentation and morphological operations. Medical Physics, 2019, 46, 3508-3519.	3.0	28
94	Distributed deep learning across multisite datasets for generalized CT hemorrhage segmentation. Medical Physics, 2020, 47, 89-98.	3.0	28
95	Diminishing Uncertainty Within the Training Pool: Active Learning for Medical Image Segmentation. IEEE Transactions on Medical Imaging, 2021, 40, 2534-2547.	8.9	28
96	Distanced LSTM: Time-Distanced Gates in Long Short-Term Memory Models for Lung Cancer Detection. Lecture Notes in Computer Science, 2019, , 310-318.	1.3	28
97	Diffusion Tensor Estimation by Maximizing Rician Likelihood. , 2007, , 1-8.		27
98	Disruption of Neural Homeostasis as a Model of Relapse and Recurrence in Late-Life Depression. American Journal of Geriatric Psychiatry, 2019, 27, 1316-1330.	1.2	27
99	Deep learning reveals untapped information for local white-matter fiber reconstruction in diffusion-weighted MRI. Magnetic Resonance Imaging, 2019, 62, 220-227.	1.8	27
100	Hierarchical spherical deformation for cortical surface registration. Medical Image Analysis, 2019, 57, 72-88.	11.6	27
101	High-resolution 3D abdominal segmentation with random patch network fusion. Medical Image Analysis, 2021, 69, 101894.	11.6	26
102	Multisurgeon, Multisite Validation of a Trajectory Planning Algorithm for Deep Brain Stimulation Procedures. IEEE Transactions on Biomedical Engineering, 2014, 61, 2479-2487.	4.2	25
103	Toward content-based image retrieval with deep convolutional neural networks. Proceedings of SPIE, 2015, 9417, .	0.8	25
104	Methods and open-source toolkit for analyzing and visualizing challenge results. Scientific Reports, 2021, 11, 2369.	3.3	25
105	Aging and white matter microstructure and macrostructure: a longitudinal multi-site diffusion MRI study of 1218 participants. Brain Structure and Function, 2022, 227, 2111-2125.	2.3	25
106	Magnetic Resonance Connectome Automated Pipeline: An Overview. IEEE Pulse, 2012, 3, 42-48.	0.3	24
107	Less is More: Simultaneous View Classification and Landmark Detection for Abdominal Ultrasound Images. Lecture Notes in Computer Science, 2018, , 711-719.	1.3	24
108	Structural covariance across the lifespan: Brain development and aging through the lens of interâ€network relationships. Human Brain Mapping, 2019, 40, 125-136.	3.6	24

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109	The VALiDATE <sub>29</sub> MRI Based Multi-Channel Atlas of the Squirrel Monkey Brain. <i>Neuroinformatics</i> , 2017, 15, 321-331.	2.8	23
110	Towards Portable Large-Scale Image Processing with High-Performance Computing. <i>Journal of Digital Imaging</i> , 2018, 31, 304-314.	2.9	23
111	CircleNet: Anchor-Free Glomerulus Detection with Circle Representation. <i>Lecture Notes in Computer Science</i> , 2020, 2020, 35-44.	1.3	23
112	Free-water metrics in medial temporal lobe white matter tract projections relate to longitudinal cognitive decline. <i>Neurobiology of Aging</i> , 2020, 94, 15-23.	3.1	23
113	An atlas of white matter anatomy, its variability, and reproducibility based on constrained spherical deconvolution of diffusion MRI. <i>NeuroImage</i> , 2022, 254, 119029.	4.2	23
114	Controlling for premorbid brain size in imaging studies: T1-derived cranium scaling factor vs. T2-derived intracranial vault volume. <i>Psychiatry Research - Neuroimaging</i> , 2004, 131, 169-176.	1.8	22
115	Reproducibility and variation of diffusion measures in the squirrel monkey brain, in vivo and ex vivo. <i>Magnetic Resonance Imaging</i> , 2017, 35, 29-38.	1.8	22
116	Robust Multicontrast MRI Spleen Segmentation for Splenomegaly Using Multi-Atlas Segmentation. <i>IEEE Transactions on Biomedical Engineering</i> , 2018, 65, 336-343.	4.2	22
117	Glutamate-sensitive imaging and evaluation of cognitive impairment in multiple sclerosis. <i>Multiple Sclerosis Journal</i> , 2019, 25, 1580-1592.	3.0	22
118	The effect of age and microstructural white matter integrity on lap time variation and fast-paced walking speed. <i>Brain Imaging and Behavior</i> , 2016, 10, 697-706.	2.1	21
119	Functional tractography of white matter by high angular resolution functional correlation imaging (HARFI). <i>Magnetic Resonance in Medicine</i> , 2019, 81, 2011-2024.	3.0	21
120	Time-distanced gates in long short-term memory networks. <i>Medical Image Analysis</i> , 2020, 65, 101785.	11.6	21
121	Resolution of crossing fibers with constrained compressed sensing using traditional diffusion tensor MRI. , 2010, 7623, 76231H.		20
122	System for Integrated Neuroimaging Analysis and Processing of Structure. <i>Neuroinformatics</i> , 2013, 11, 91-103.	2.8	20
123	TRACE: A Topological Graph Representation for Automatic Sulcal Curve Extraction. <i>IEEE Transactions on Medical Imaging</i> , 2018, 37, 1653-1663.	8.9	20
124	Quantitative Spatial Analysis of Metabolic Heterogeneity Across in vivo and in vitro Tumor Models. <i>Frontiers in Oncology</i> , 2019, 9, 1144.	2.8	20
125	Treated and treatment-naive alcoholics come from different populations. <i>Alcohol</i> , 2005, 36, 19-26.	1.7	20
126	Circle Representation for Medical Object Detection. <i>IEEE Transactions on Medical Imaging</i> , 2022, 41, 746-754.	8.9	20



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127	Immersive virtual reality for visualization of abdominal CT. Proceedings of SPIE, 2013, 8673, .	0.8	19
128	Labeling lateral prefrontal sulci using spherical data augmentation and context-aware training. NeuroImage, 2021, 229, 117758.	4.2	19
129	Tongue muscle fiber tracking during rest and tongue protrusion with oral appliances: A preliminary study with diffusion tensor imaging. Acoustical Science and Technology, 2008, 29, 291-294.	0.5	18
130	Statistical label fusion with hierarchical performance models. , 2014, 9034, 90341E.		18
131	Cortical Implications of Advancing Age and Disease Duration in Parkinson's Disease Patients with Postural Instability and Gait Dysfunction. Journal of Parkinson's Disease, 2016, 6, 441-451.	2.8	18
132	Combining multi-atlas segmentation with brain surface estimation. Proceedings of SPIE, 2016, 9784, .	0.8	18
133	Structural Correlates of the Sensorimotor Cerebellum in Parkinson's Disease and Essential Tremor. Movement Disorders, 2020, 35, 1181-1188.	3.9	18
134	Diffusion MRI microstructural models in the cervical spinal cord – Application, normative values, and correlations with histological analysis. NeuroImage, 2019, 201, 116026.	4.2	17
135	Divergent network properties that predict early surgical failure versus late recurrence in temporal lobe epilepsy. Journal of Neurosurgery, 2020, 132, 1324-1333.	1.6	17
136	Cortical Surface Parcellation Using Spherical Convolutional Neural Networks. Lecture Notes in Computer Science, 2019, 11766, 501-509.	1.3	17
137	Insights from the IronTract challenge: Optimal methods for mapping brain pathways from multi-shell diffusion MRI. NeuroImage, 2022, 257, 119327.	4.2	17
138	Orthogonal diffusion-weighted MRI measures distinguish region-specific degeneration in cerebellar ataxia subtypes. Journal of Neurology, 2009, 256, 1939-1942.	3.6	16
139	Peripheral sphingolipids are associated with variation in white matter microstructure in older adults. Neurobiology of Aging, 2016, 43, 156-163.	3.1	16
140	Effects of b-value and number of gradient directions on diffusion MRI measures obtained with Q-ball imaging. Proceedings of SPIE, 2017, 10133, .	0.8	16
141	Empirical reproducibility, sensitivity, and optimization of acquisition protocol, for Neurite Orientation Dispersion and Density Imaging using AMICO. Magnetic Resonance Imaging, 2018, 50, 96-109.	1.8	16
142	Histologically derived fiber response functions for diffusion MRI vary across white matter fibers – An ex vivo validation study in the squirrel monkey brain. NMR in Biomedicine, 2019, 32, e4090.	2.8	16
143	MASiVar: Multisite, multiscanner, and multisubject acquisitions for studying variability in diffusion weighted MRI. Magnetic Resonance in Medicine, 2021, 86, 3304-3320.	3.0	16
144	Spatially Localized Atlas Network Tiles Enables 3D Whole Brain Segmentation from Limited Data. Lecture Notes in Computer Science, 2018, , 698-705.	1.3	16

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145	Lung cancer detection using co-learning from chest CT images and clinical demographics. , 2019, 10949, .		16
146	Accelerated decline in white matter microstructure in subsequently impaired older adults and its relationship with cognitive decline. Brain Communications, 2022, 4, fcac051.	3.3	16
147	The Pathophysiology of ???Brain Shrinkage??? in Alcoholics ??? Structural and Molecular Changes and Clinical Implications. Alcoholism: Clinical and Experimental Research, 2005, 29, 1106-1115.	2.4	15
148	Assessment of bias in experimentally measured diffusion tensor imaging parameters using SIMEX. Magnetic Resonance in Medicine, 2013, 69, 891-902.	3.0	15
149	Integration of XNAT/PACS, DICOM, and research software for automated multi-modal image analysis. , 2013, 8674, .		15
150	Brain structure segmentation in the presence of multiple sclerosis lesions. NeuroImage: Clinical, 2019, 22, 101709.	2.7	15
151	Electronic Medical Record Context Signatures Improve Diagnostic Classification Using Medical Image Computing. IEEE Journal of Biomedical and Health Informatics, 2019, 23, 2052-2062.	6.3	15
152	Pandora: 4-D White Matter Bundle Population-Based Atlases Derived from Diffusion MRI Fiber Tractography. Neuroinformatics, 2021, 19, 447-460.	2.8	15
153	Hippocampal activation and connectivity in the aging brain. Brain Imaging and Behavior, 2021, 15, 711-726.	2.1	15
154	Effect of oral appliances on genioglossus muscle tonicity seen with diffusion tensor imaging: A pilot study. Oral Surgery Oral Medicine Oral Pathology Oral Radiology and Endodontics, 2009, 107, e57-e63.	1.4	14
155	Evaluation of multiatlas label fusion forin vivomagnetic resonance imaging orbital segmentation. Journal of Medical Imaging, 2014, 1, 024002.	1.5	14
156	Acceleration of spleen segmentation with end-to-end deep learning method and automated pipeline. Computers in Biology and Medicine, 2019, 107, 109-117.	7.0	14
157	Medial temporal lobe volumes in late-life depression: effects of age and vascular risk factors. Brain Imaging and Behavior, 2020, 14, 19-29.	2.1	14
158	Microstructural Neuroimaging of Frailty in Cognitively Normal Older Adults. Frontiers in Medicine, 2020, 7, 546344.	2.6	14
159	Inter-Scanner Harmonization of High Angular Resolution DW-MRI Using Null Space Deep Learning. Mathematics and Visualization, 2019, , 193-201.	0.6	14
160	Mapping Lifetime Brain Volumetry with Covariate-Adjusted Restricted Cubic Spline Regression from Cross-Sectional Multi-site MRI. Lecture Notes in Computer Science, 2016, 9900, 81-88.	1.3	14
161	Improving splenomegaly segmentation by learning from heterogeneous multi-source labels. , 2019, 10949, .		14
162	Quantitative CT Imaging of Ventral Hernias: Preliminary Validation of an Anatomical Labeling Protocol. PLoS ONE, 2015, 10, e0141671.	2.5	13

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163	Tests of cortical parcellation based on white matter connectivity using diffusion tensor imaging. <i>NeuroImage</i> , 2018, 170, 321-331.	4.2	13
164	White matter microstructure correlates of general and specific second-order factors of psychopathology. <i>NeuroImage: Clinical</i> , 2019, 22, 101705.	2.7	13
165	Gray Matter Surface Based Spatial Statistics (GS-BSS) in Diffusion Microstructure. <i>Lecture Notes in Computer Science</i> , 2017, 10433, 638-646.	1.3	13
166	Out-of-atlas likelihood estimation using multi-atlas segmentation. <i>Medical Physics</i> , 2013, 40, 043702.	3.0	12
167	A brain MRI atlas of the common squirrel monkey, <i>Saimiri sciureus</i> . , 2014, 9038, 90380C.		12
168	Impact of family structure and common environment on heritability estimation for neuroimaging genetics studies using Sequential Oligogenic Linkage Analysis Routines. <i>Journal of Medical Imaging</i> , 2014, 1, 014005.	1.5	12
169	Shape-constrained multi-atlas segmentation of spleen in CT. <i>Proceedings of SPIE</i> , 2014, 9034, 903446.	0.8	12
170	Registration-based image enhancement improves multi-atlas segmentation of the thalamic nuclei and hippocampal subfields. <i>Magnetic Resonance Imaging</i> , 2019, 59, 143-152.	1.8	12
171	Brainstem Functional Connectivity Disturbances in Epilepsy may Recover After Successful Surgery. <i>Neurosurgery</i> , 2020, 86, 417-428.	1.1	12
172	Using phecode analysis to characterize co-occurring medical conditions in autism spectrum disorder. <i>Autism</i> , 2021, 25, 800-811.	4.1	12
173	Default mode network connectivity and cognition in the aging brain: the effects of age, sex, and APOE genotype.. <i>Neurobiology of Aging</i> , 2021, 104, 10-23.	3.1	12
174	Automated Characterization of Body Composition and Frailty with Clinically Acquired CT. <i>Lecture Notes in Computer Science</i> , 2018, 10734, 25-35.	1.3	12
175	Sulcal depth-based cortical shape analysis in normal healthy control and schizophrenia groups. , 2018, 10574, .		12
176	Distributed deep learning for robust multi-site segmentation of CT imaging after traumatic brain injury. , 2019, 10949, .		12
177	Linear and Curvilinear Trajectories of Cortical Loss with Advancing Age and Disease Duration in Parkinson's Disease. , 2016, 7, 220.		12
178	Foibles, follies, and fusion: Web-based collaboration for medical image labeling. <i>NeuroImage</i> , 2012, 59, 530-539.	4.2	11
179	A surgeon specific automatic path planning algorithm for deep brain stimulation. , 2012, , .		11
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