

Bennett Allan Landman

List of Publications by Year in descending order

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Version: 2024-02-01

419
papers

12,182
citations

50276

46
h-index

42399

92
g-index

451
all docs

451
docs citations

451
times ranked

14417
citing authors

#	ARTICLE	IF	CITATIONS
1	Altered gray matter development in pre-reading children with a family history of reading disorder. <i>Developmental Science</i> , 2022, 25, e13160.	2.4	8
2	Axonal Injury Partially Mediates Associations Between Increased Left Ventricular Mass Index and White Matter Damage. <i>Stroke</i> , 2022, 53, 808-816.	2.0	0
3	TractEM: Evaluation of protocols for deterministic tractography white matter atlas. <i>Magnetic Resonance Imaging</i> , 2022, 85, 44-56.	1.8	1
4	Lower cerebral oxygen utilization is associated with Alzheimer's disease-related neurodegeneration and poorer cognitive performance among apolipoprotein E ϵ 4 carriers. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2022, 42, 642-655.	4.3	3
5	Structural MRI-Based Measures of Accelerated Brain Aging do not Moderate the Acute Antidepressant Response in Late-Life Depression. <i>American Journal of Geriatric Psychiatry</i> , 2022, 30, 1015-1025.	1.2	7
6	Circle Representation for Medical Object Detection. <i>IEEE Transactions on Medical Imaging</i> , 2022, 41, 746-754.	8.9	20
7	Generalizing deep learning brain segmentation for skull removal and intracranial measurements. <i>Magnetic Resonance Imaging</i> , 2022, 88, 44-52.	1.8	4
8	pyPheWAS: A Phenome-Disease Association Tool for Electronic Medical Record Analysis. <i>Neuroinformatics</i> , 2022, 20, 483-505.	2.8	9
9	Learning white matter subject-specific segmentation from structural MRI. <i>Medical Physics</i> , 2022, , .	3.0	4
10	Tractostorm 2: Optimizing tractography dissection reproducibility with segmentation protocol dissemination. <i>Human Brain Mapping</i> , 2022, 43, 2134-2147.	3.6	8
11	Workflow Integration of Research AI Tools into a Hospital Radiology Rapid Prototyping Environment. <i>Journal of Digital Imaging</i> , 2022, , 1.	2.9	0
12	Accelerated decline in white matter microstructure in subsequently impaired older adults and its relationship with cognitive decline. <i>Brain Communications</i> , 2022, 4, fcac051.	3.3	16
13	Multimodal neuroimaging in pediatric type 1 diabetes: a pilot multisite feasibility study of acquisition quality, motion, and variability. , 2022, , .		1
14	Extending the value of routine lung screening CT with quantitative body composition assessment. , 2022, , .		2
15	Longitudinal changes of connectomes and graph theory measures in aging. , 2022, 12032, .		2
16	Supervised deep generation of high-resolution arterial phase computed tomography kidney substructure atlas. , 2022, , .		0
17	Joint independent component analysis for hypothesizing spatiotemporal relationships between longitudinal gray and white matter changes in preclinical Alzheimer's disease. , 2022, , .		0
18	Ultra-high-resolution mapping of cortical layers 3T-guided 7T MRI. , 2022, , .		3

#	ARTICLE	IF	CITATIONS
19	Efficient quality control with mixed CT and CTA datasets. , 2022, , .		0
20	Inpainting missing tissue in multiplexed immunofluorescence imaging. , 2022, 12039, .		0
21	Mapping the impact of non-linear gradient fields on diffusion MRI tensor estimation. , 2022, , .		0
22	An atlas of white matter anatomy, its variability, and reproducibility based on constrained spherical deconvolution of diffusion MRI. NeuroImage, 2022, 254, 119029.	4.2	23
23	Prevalence of white matter pathways coming into a single white matter voxel orientation: The bottleneck issue in tractography. Human Brain Mapping, 2022, 43, 1196-1213.	3.6	34
24	Longitudinal associations of absolute versus relative moderate-to-vigorous physical activity with brain microstructural decline in aging. Neurobiology of Aging, 2022, 116, 25-31.	3.1	5
25	Enabling AI innovation via data and model sharing: An overview of the NSF Convergence Accelerator Track D. AI Magazine, 2022, 43, 93-104.	1.6	2
26	The impact of the lung EDRN-CVC on Phase 1, 2, & 3 biomarker validation studies. Cancer Biomarkers, 2022, 33, 449-465.	1.7	0
27	Multi-contrast computed tomography healthy kidney atlas. Computers in Biology and Medicine, 2022, 146, 105555.	7.0	4
28	Label efficient segmentation of single slice thigh CT with two-stage pseudo labels. Journal of Medical Imaging, 2022, 9, .	1.5	5
29	EPI susceptibility correction introduces significant differences far from local areas of high distortion. Magnetic Resonance Imaging, 2022, 92, 1-9.	1.8	4
30	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
31	Insights from the IronTract challenge: Optimal methods for mapping brain pathways from multi-shell diffusion MRI. NeuroImage, 2022, 257, 119327.	4.2	17
32	The influence of regions of interest on tractography virtual dissection protocols: general principles to learn and to follow. Brain Structure and Function, 2022, 227, 2191-2207.	2.3	5
33	Contrastive semi-supervised harmonization of single-shell to multi-shell diffusion MRI. Magnetic Resonance Imaging, 2022, 93, 73-86.	1.8	5
34	The Medical Segmentation Decathlon. Nature Communications, 2022, 13, .	12.8	252
35	Lower cardiac output is associated with neurodegeneration among older adults with normal cognition but not mild cognitive impairment. Brain Imaging and Behavior, 2021, 15, 2040-2050.	2.1	3
36	Pandora: 4-D White Matter Bundle Population-Based Atlases Derived from Diffusion MRI Fiber Tractography. Neuroinformatics, 2021, 19, 447-460.	2.8	15

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37	Hippocampal activation and connectivity in the aging brain. <i>Brain Imaging and Behavior</i> , 2021, 15, 711-726.	2.1	15
38	Using phecode analysis to characterize co-occurring medical conditions in autism spectrum disorder. <i>Autism</i> , 2021, 25, 800-811.	4.1	12
39	Empirical field mapping for gradient nonlinearity correction of multi-site diffusion weighted MRI. <i>Magnetic Resonance Imaging</i> , 2021, 76, 69-78.	1.8	10
40	High-resolution 3D abdominal segmentation with random patch network fusion. <i>Medical Image Analysis</i> , 2021, 69, 101894.	11.6	26
41	Phase identification for dynamic CT enhancements with generative adversarial network. <i>Medical Physics</i> , 2021, 48, 1276-1285.	3.0	4
42	The relationship between white matter microstructure and self-perceived cognitive decline. <i>NeuroImage: Clinical</i> , 2021, 32, 102794.	2.7	9
43	MRI network progression in mesial temporal lobe epilepsy related to healthy brain architecture. <i>Network Neuroscience</i> , 2021, 5, 434-450.	2.6	9
44	Joint cortical surface and structural connectivity analysis of Alzheimer's disease. , 2021, 11596, .		2
45	Joint analysis of structural connectivity and cortical surface features: correlates with mild traumatic brain injury. , 2021, 11596, .		0
46	A cross-platform informatics system for the Gut Cell Atlas: integrating clinical, anatomical and histological data. , 2021, 11601, .		4
47	Validation and estimation of spleen volume via computer-assisted segmentation on clinically acquired CT scans. <i>Journal of Medical Imaging</i> , 2021, 8, 014004.	1.5	4
48	Prenatal and postnatal maternal anxiety and amygdala structure and function in young children. <i>Scientific Reports</i> , 2021, 11, 4019.	3.3	33
49	Deep multi-path network integrating incomplete biomarker and chest CT data for evaluating lung cancer risk. , 2021, 11596, .		6
50	Construction of a multi-phase contrast computed tomography kidney atlas. , 2021, 11596, .		1
51	On statistical tests of functional connectome fingerprinting. <i>Canadian Journal of Statistics</i> , 2021, 49, 63-88.	0.9	8
52	Establishing surface correspondence for post-surgical cortical thickness changes in temporal lobe epilepsy. , 2021, 11596, .		1
53	Development and characterization of a chest CT atlas. , 2021, 2021, .		1
54	Renal cortex, medulla and pelvicaliceal system segmentation on arterial phase CT images with random patch-based networks. , 2021, 11596, .		3

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55	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
56	Validation of group-wise registration for surface-based functional MRI analysis. , 2021, 11596, .		1
57	Measure partial liver volumetric variations from paired inspiratory-expiratory chest CT scans. , 2021, 11596, .		0
58	Anatomical texture patterns identify cerebellar distinctions between essential tremor and Parkinson's disease. <i>Human Brain Mapping</i> , 2021, 42, 2322-2331.	3.6	10
59	Dispositional Negative Emotionality in Childhood and Adolescence Predicts Structural Variation in the Amygdala and Caudal Anterior Cingulate During Early Adulthood: Theoretically and Empirically Based Tests. <i>Research on Child and Adolescent Psychopathology</i> , 2021, 49, 1275-1288.	2.3	3
60	Rap-Net: Coarse-To-Fine Multi-Organ Segmentation With Single Random Anatomical Prior. , 2021, 2021, 1491-1494.		3
61	Labeling lateral prefrontal sulci using spherical data augmentation and context-aware training. <i>NeuroImage</i> , 2021, 229, 117758.	4.2	19
62	Multi-Site Infant Brain Segmentation Algorithms: The iSeg-2019 Challenge. <i>IEEE Transactions on Medical Imaging</i> , 2021, 40, 1363-1376.	8.9	53
63	Body Part Regression With Self-Supervision. <i>IEEE Transactions on Medical Imaging</i> , 2021, 40, 1499-1507.	8.9	10
64	Cortical Morphology in Autism: Findings from a Cortical Shape-Adaptive Approach to Local Gyrfication Indexing. <i>Cerebral Cortex</i> , 2021, 31, 5188-5205.	2.9	6
65	MASiVar: Multisite, multiscanner, and multisubject acquisitions for studying variability in diffusion weighted MRI. <i>Magnetic Resonance in Medicine</i> , 2021, 86, 3304-3320.	3.0	16
66	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
67	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
68	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
69	Comparison of convolutional neural networks for detecting large vessel occlusion on computed tomography angiography. <i>Medical Physics</i> , 2021, 48, 6060-6068.	3.0	7
70	Mapping gradient nonlinearity and miscalibration using diffusion-weighted MR images of a uniform isotropic phantom. <i>Magnetic Resonance in Medicine</i> , 2021, 86, 3259-3273.	3.0	8
71	Automated, open-source segmentation of the Hippocampus and amygdala with the open Vanderbilt archive of the temporal lobe. <i>Magnetic Resonance Imaging</i> , 2021, 81, 17-23.	1.8	3
72	Diminishing Uncertainty Within the Training Pool: Active Learning for Medical Image Segmentation. <i>IEEE Transactions on Medical Imaging</i> , 2021, 40, 2534-2547.	8.9	28

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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	Tractography dissection variability: What happens when 42 groups dissect 14 white matter bundles on the same dataset?. <i>NeuroImage</i> , 2021, 243, 118502.	4.2	94
75	Lung Cancer Risk Estimation with Incomplete Data: A Joint Missing Imputation Perspective. <i>Lecture Notes in Computer Science</i> , 2021, , 647-656.	1.3	4
76	Methods and open-source toolkit for analyzing and visualizing challenge results. <i>Scientific Reports</i> , 2021, 11, 2369.	3.3	25
77	Cancer Risk Estimation Combining Lung Screening CT with Clinical Data Elements. <i>Radiology: Artificial Intelligence</i> , 2021, 3, e210032.	5.8	8
78	Deterministic inverse design of Tamm plasmon thermal emitters with multi-resonant control. <i>Nature Materials</i> , 2021, 20, 1663-1669.	27.5	46
79	Elevated Aortic Pulse Wave Velocity Relates to Longitudinal Gray and White Matter Changes. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2021, 41, 3015-3024.	2.4	9
80	Brief Report: The Characterization of Medical Comorbidity Prior to Autism Diagnosis in Children Before Age Two. <i>Journal of Autism and Developmental Disorders</i> , 2021, , 1.	2.7	1
81	Apolipoprotein ϵ genotype modifies the association between blood-brain barrier permeability and both grey and white matter integrity in older adults. <i>Alzheimer's and Dementia</i> , 2021, 17, .	0.8	0
82	Random Multi-Channel Image Synthesis for Multiplexed Immunofluorescence Imaging.. <i>Proceedings of Machine Learning Research</i> , 2021, 156, 36-46.	0.3	0
83	Medial temporal lobe volumes in late-life depression: effects of age and vascular risk factors. <i>Brain Imaging and Behavior</i> , 2020, 14, 19-29.	2.1	14
84	Brainstem Functional Connectivity Disturbances in Epilepsy may Recover After Successful Surgery. <i>Neurosurgery</i> , 2020, 86, 417-428.	1.1	12
85	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
86	Distributed deep learning across multisite datasets for generalized CT hemorrhage segmentation. <i>Medical Physics</i> , 2020, 47, 89-98.	3.0	28
87	Anatomical context protects deep learning from adversarial perturbations in medical imaging. <i>Neurocomputing</i> , 2020, 379, 370-378.	5.9	29
88	Multiatlas segmentation. , 2020, , 137-164.		2
89	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
90	BIAS: Transparent reporting of biomedical image analysis challenges. <i>Medical Image Analysis</i> , 2020, 66, 101796.	11.6	59

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91	Cross-scanner and cross-protocol multi-shell diffusion MRI data harmonization: Algorithms and results. <i>NeuroImage</i> , 2020, 221, 117128.	4.2	54
92	Microstructural Neuroimaging of Frailty in Cognitively Normal Older Adults. <i>Frontiers in Medicine</i> , 2020, 7, 546344.	2.6	14
93	Distortion correction of diffusion weighted MRI without reverse phase-encoding scans or field-maps. <i>PLoS ONE</i> , 2020, 15, e0236418.	2.5	60
94	Lasting consequences of concussion on the aging brain: Findings from the Baltimore Longitudinal Study of Aging. <i>NeuroImage</i> , 2020, 221, 117182.	4.2	11
95	BRAIN AGE ESTIMATION IN LATE-LIFE DEPRESSION: ASSOCIATION WITH COGNITIVE PERFORMANCE AND DISABILITY. <i>American Journal of Geriatric Psychiatry</i> , 2020, 28, S88-S89.	1.2	0
96	Time-distanced gates in long short-term memory networks. <i>Medical Image Analysis</i> , 2020, 65, 101785.	11.6	21
97	Capturing Intra-Scanner and Inter-Scanner Variability in Quantitative MR: Effect on Neuroimaging Studies. <i>Biological Psychiatry</i> , 2020, 87, S55-S56.	1.3	0
98	Association of Poorer Hearing With Longitudinal Change in Cerebral White Matter Microstructure. <i>JAMA Otolaryngology - Head and Neck Surgery</i> , 2020, 146, 1035.	2.2	9
99	The future of digital health with federated learning. <i>Npj Digital Medicine</i> , 2020, 3, 119.	10.9	887
100	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. <i>Brain Structure and Function</i> , 2020, 225, 2387-2402.	2.3	58
101	Thalamocortical Anatomical Connectivity in Schizophrenia and Psychotic Bipolar Disorder. <i>Biological Psychiatry</i> , 2020, 87, S447-S448.	1.3	1
102	Cerebrospinal fluid biomarkers of neurodegeneration, synaptic dysfunction, and axonal injury relate to atrophy in structural brain regions specific to Alzheimer's disease. <i>Alzheimer's and Dementia</i> , 2020, 16, 883-895.	0.8	10
103	A bayesian approach to examining default mode network functional connectivity and cognitive performance in major depressive disorder. <i>Psychiatry Research - Neuroimaging</i> , 2020, 301, 111102.	1.8	1
104	Automatic Labeling of Cortical Sulci Using Spherical Convolutional Neural Networks in a Developmental Cohort. , 2020, 2020, 412-415.		6
105	Mild Cognitive Impairment Staging Yields Genetic Susceptibility, Biomarker, and Neuroimaging Differences. <i>Frontiers in Aging Neuroscience</i> , 2020, 12, 139.	3.4	4
106	A fully automated pipeline for brain structure segmentation in multiple sclerosis. <i>NeuroImage: Clinical</i> , 2020, 27, 102306.	2.7	5
107	Network localization of clinical, cognitive, and neuropsychiatric symptoms in Alzheimer's disease. <i>Brain</i> , 2020, 143, 1249-1260.	7.6	53
108	Multi-path x-D recurrent neural networks for collaborative image classification. <i>Neurocomputing</i> , 2020, 397, 48-59.	5.9	10

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109	Structural Correlates of the Sensorimotor Cerebellum in Parkinson's Disease and Essential Tremor. <i>Movement Disorders</i> , 2020, 35, 1181-1188.	3.9	18
110	Assessing the Accuracy of a Deep Learning Method to Risk Stratify Indeterminate Pulmonary Nodules. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2020, 202, 241-249.	5.6	109
111	Thalamocortical Anatomical Connectivity in Schizophrenia and Psychotic Bipolar Disorder. <i>Schizophrenia Bulletin</i> , 2020, 46, 1062-1071.	4.3	34
112	CircleNet: Anchor-Free Glomerulus Detection with Circle Representation. <i>Lecture Notes in Computer Science</i> , 2020, 2020, 35-44.	1.3	23
113	Federated Gradient Averaging for Multi-Site Training with Momentum-Based Optimizers. <i>Lecture Notes in Computer Science</i> , 2020, 12444, 170-180.	1.3	10
114	Prediction of Type II Diabetes Onset with Computed Tomography and Electronic Medical Records. <i>Lecture Notes in Computer Science</i> , 2020, 12445, 13-23.	1.3	9
115	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
116	Extracting 2D weak labels from volume labels using multiple instance learning in CT hemorrhage detection. , 2020, 11313, .		4
117	Deep learning estimation of multi-tissue constrained spherical deconvolution with limited single shell DW-MRI. , 2020, 11313, .		11
118	Divergent network properties that predict early surgical failure versus late recurrence in temporal lobe epilepsy. <i>Journal of Neurosurgery</i> , 2020, 132, 1324-1333.	1.6	17
119	Validation and optimization of multi-organ segmentation on clinical imaging archives. , 2020, 11313, .		0
120	Generalizing deep whole-brain segmentation for post-contrast MRI with transfer learning. <i>Journal of Medical Imaging</i> , 2020, 7, 064004.	1.5	4
121	Current Challenges and Future Directions in Diffusion MRI: From Model- to Data- Driven Analysis. <i>Mathematics and Visualization</i> , 2020, , 63-78.	0.6	0
122	Semi-supervised Machine Learning with MixMatch and Equivalence Classes. <i>Lecture Notes in Computer Science</i> , 2020, , 112-121.	1.3	0
123	MRI correlates of chronic symptoms in mild traumatic brain injury. , 2020, 11313, .		1
124	Internal-transfer weighting of multi-task learning for lung cancer detection. , 2020, 11313, .		4
125	Semi-supervised multi-organ segmentation through quality assurance supervision. , 2020, 11313, .		6
126	Contrast phase classification with a generative adversarial network. , 2020, 11313, .		4

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127	Outlier guided optimization of abdominal segmentation. , 2020, 11313, .		1
128	Deep multi-task prediction of lung cancer and cancer-free progression from censored heterogenous clinical imaging. , 2020, 11313, .		6
129	Learning from dispersed manual annotations with an optimized data weighting policy. Journal of Medical Imaging, 2020, 7, 1.	1.5	2
130	Correlation of Automated Computed Tomography Volumetric Analysis Metrics With Motility Disturbances in Thyroid Eye Disease. Ophthalmic Plastic and Reconstructive Surgery, 2020, Publish Ahead of Print, 372-376.	0.8	4
131	Generalizing Deep Whole Brain Segmentation for Pediatric and Post- Contrast MRI with Augmented Transfer Learning. Proceedings of SPIE, 2020, 11313, .	0.8	1
132	Semi-supervised Machine Learning with MixMatch and Equivalence Classes. Lecture Notes-monograph Series / Institute of Mathematical Statistics, 2020, 12446, 112-121.	1.0	0
133	Distortion correction of diffusion weighted MRI without reverse phase-encoding scans or field-maps. , 2020, 15, e0236418.		0
134	Distortion correction of diffusion weighted MRI without reverse phase-encoding scans or field-maps. , 2020, 15, e0236418.		0
135	Distortion correction of diffusion weighted MRI without reverse phase-encoding scans or field-maps. , 2020, 15, e0236418.		0
136	Distortion correction of diffusion weighted MRI without reverse phase-encoding scans or field-maps. , 2020, 15, e0236418.		0
137	Distortion correction of diffusion weighted MRI without reverse phase-encoding scans or field-maps. , 2020, 15, e0236418.		0
138	Distortion correction of diffusion weighted MRI without reverse phase-encoding scans or field-maps. , 2020, 15, e0236418.		0
139	A Web-Based Atlas Combining MRI and Histology of the Squirrel Monkey Brain. Neuroinformatics, 2019, 17, 131-145.	2.8	11
140	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
141	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
142	Diffusion MRI microstructural models in the cervical spinal cord – Application, normative values, and correlations with histological analysis. NeuroImage, 2019, 201, 116026.	4.2	17
143	Fully automatic liver attenuation estimation combining CNN segmentation and morphological operations. Medical Physics, 2019, 46, 3508-3519.	3.0	28
144	Hierarchical spherical deformation for cortical surface registration. Medical Image Analysis, 2019, 57, 72-88.	11.6	27

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145	AI in MRI: A case for grassroots deep learning. <i>Magnetic Resonance Imaging</i> , 2019, 64, 1-3.	1.8	5
146	Learning 3D White Matter Microstructure from 2D Histology. , 2019, 2019, 186-190.		0
147	A fiber coherence index for quality control of B-table orientation in diffusion MRI scans. <i>Magnetic Resonance Imaging</i> , 2019, 58, 82-89.	1.8	58
148	Improving human cortical sulcal curve labeling in large scale cross-sectional MRI using deep neural networks. <i>Journal of Neuroscience Methods</i> , 2019, 324, 108311.	2.5	4
149	Anatomical context improves deep learning on the brain age estimation task. <i>Magnetic Resonance Imaging</i> , 2019, 62, 70-77.	1.8	32
150	Assessment of Orbital Computed Tomography (CT) Imaging Biomarkers in Patients with Thyroid Eye Disease. <i>Journal of Digital Imaging</i> , 2019, 32, 987-994.	2.9	10
151	Improved gray matter surface based spatial statistics in neuroimaging studies. <i>Magnetic Resonance Imaging</i> , 2019, 61, 285-295.	1.8	4
152	Multi-modal imaging with specialized sequences improves accuracy of the automated subcortical grey matter segmentation. <i>Magnetic Resonance Imaging</i> , 2019, 61, 131-136.	1.8	3
153	Synthesized b0 for diffusion distortion correction (Synb0-DisCo). <i>Magnetic Resonance Imaging</i> , 2019, 64, 62-70.	1.8	87
154	A deep learning approach to estimation of subject-level bias and variance in high angular resolution diffusion imaging. <i>Magnetic Resonance Imaging</i> , 2019, 59, 130-136.	1.8	1
155	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
156	Histologically derived fiber response functions for diffusion MRI vary across white matter fibers—An ex vivo validation study in the squirrel monkey brain. <i>NMR in Biomedicine</i> , 2019, 32, e4090.	2.8	16
157	3D whole brain segmentation using spatially localized atlas network tiles. <i>NeuroImage</i> , 2019, 194, 105-119.	4.2	183
158	On-the-fly scheduling versus reservation-based scheduling for unpredictable workflows. <i>International Journal of High Performance Computing Applications</i> , 2019, 33, 1140-1158.	3.7	5
159	Acceleration of spleen segmentation with end-to-end deep learning method and automated pipeline. <i>Computers in Biology and Medicine</i> , 2019, 107, 109-117.	7.0	14
160	Brain structure segmentation in the presence of multiple sclerosis lesions. <i>NeuroImage: Clinical</i> , 2019, 22, 101709.	2.7	15
161	White matter microstructure correlates of general and specific second-order factors of psychopathology. <i>NeuroImage: Clinical</i> , 2019, 22, 101705.	2.7	13
162	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

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163	Discovering novel disease comorbidities using electronic medical records. PLoS ONE, 2019, 14, e0225495.	2.5	8
164	Functional tractography of white matter by high angular resolution functionalâ€correlation imaging (HARFI). Magnetic Resonance in Medicine, 2019, 81, 2011-2024.	3.0	21
165	Glutamate-sensitive imaging and evaluation of cognitive impairment in multiple sclerosis. Multiple Sclerosis Journal, 2019, 25, 1580-1592.	3.0	22
166	Vascular burden and APOE Î¼4 are associated with white matter microstructural decline in cognitively normal older adults. NeuroImage, 2019, 188, 572-583.	4.2	48
167	SynSeg-Net: Synthetic Segmentation Without Target Modality Ground Truth. IEEE Transactions on Medical Imaging, 2019, 38, 1016-1025.	8.9	163
168	Splenomegaly Segmentation on Multi-Modal MRI Using Deep Convolutional Networks. IEEE Transactions on Medical Imaging, 2019, 38, 1185-1196.	8.9	35
169	Characterization and correlation of signal drift in diffusion weighted MRI. Magnetic Resonance Imaging, 2019, 57, 133-142.	1.8	6
170	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
171	Harmonization of White and Gray Matter Features in Diffusion Microarchitecture for Cross-Sectional Studies. Lecture Notes in Computational Vision and Biomechanics, 2019, , 21-29.	0.5	2
172	White matter differences between essential tremor and Parkinson disease. Neurology, 2019, 92, e30-e39.	1.1	32
173	Challenges in diffusion MRI tractography â€“ Lessons learned from international benchmark competitions. Magnetic Resonance Imaging, 2019, 57, 194-209.	1.8	99
174	Limits to anatomical accuracy of diffusion tractography using modern approaches. NeuroImage, 2019, 185, 1-11.	4.2	200
175	Intrinsic Functional Network Connectivity Is Associated With Clinical Symptoms and Cognition in Late-Life Depression. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2019, 4, 160-170.	1.5	30
176	Anatomical accuracy of standard-practice tractography algorithms in the motor system - A histological validation in the squirrel monkey brain. Magnetic Resonance Imaging, 2019, 55, 7-25.	1.8	36
177	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
178	Inter-Scanner Harmonization of High Angular Resolution DW-MRI Using Null Space Deep Learning. Mathematics and Visualization, 2019, , 193-201.	0.6	14
179	Enabling Multi-shell b-Value Generalizability of Data-Driven Diffusion Models with Deep SHORE. Lecture Notes in Computer Science, 2019, 11766, 573-581.	1.3	5
180	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

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