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List of Publications by Year in descending order

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67
papers

6,003
citations

126708

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102304

66
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70
all docs

70
docs citations

70
times ranked

6824
citing authors

#	ARTICLE	IF	CITATIONS
1	DeepLesionBrain: Towards a broader deep-learning generalization for multiple sclerosis lesion segmentation. Medical Image Analysis, 2022, 76, 102312.	7.0	24
2	Deep learning based MRI contrast synthesis using full volume prediction using full volume prediction. Biomedical Physics and Engineering Express, 2022, 8, 015013.	0.6	0
3	A novel deep learning based hippocampus subfield segmentation method. Scientific Reports, 2022, 12, 1333.	1.6	6
4	Hippocampalâ€œamygdaloâ€œventricular atrophy score: Alzheimer disease detection using normative and pathological lifespan models. Human Brain Mapping, 2022, 43, 3270-3282.	1.9	8
5	Structural progression of Alzheimerâ€™s disease over decades: the MRI staging scheme. Brain Communications, 2022, 4, fcac109.	1.5	35
6	vol2Brain: A New Online Pipeline for Whole Brain MRI Analysis. Frontiers in Neuroinformatics, 2022, 16, .	1.3	9
7	Multi-scale graph-based grading for Alzheimerâ€™s disease prediction. Medical Image Analysis, 2021, 67, 101850.	7.0	28
8	Distinct Hippocampal Subfields Atrophy in Older People With Vascular Brain Injuries. Stroke, 2021, 52, 1741-1750.	1.0	6
9	Fully automated delineation of the optic radiation for surgical planning using clinically feasible sequences. Human Brain Mapping, 2021, 42, 5911-5926.	1.9	5
10	Toward a unified analysis of cerebellum maturation and aging across the entire lifespan: A <scp>MRI</scp> analysis. Human Brain Mapping, 2021, 42, 1287-1303.	1.9	19
11	AssemblyNet: A large ensemble of CNNs for 3D whole brain MRI segmentation. NeuroImage, 2020, 219, 117026.	2.1	78
12	pBrain: A novel pipeline for Parkinson related brain structure segmentation. NeuroImage: Clinical, 2020, 25, 102184.	1.4	11
13	Differential annualized rates of hippocampal subfields atrophy in aging and future Alzheimer's clinical syndrome. Neurobiology of Aging, 2020, 90, 75-83.	1.5	28
14	RegQCNET: Deep quality control for image-to-template brain MRI affine registration. Physics in Medicine and Biology, 2020, 65, 225022.	1.6	14
15	Blind MRI Brain Lesion Inpainting Using Deep Learning. Lecture Notes in Computer Science, 2020, , 41-49.	1.0	9
16	Multimodal Hippocampal Subfield Grading For Alzheimerâ€™s Disease Classification. Scientific Reports, 2019, 9, 13845.	1.6	33
17	Automated segmentation of medial temporal lobe subregions on in vivo T1â€œweighted MRI in early stages of Alzheimer's disease. Human Brain Mapping, 2019, 40, 3431-3451.	1.9	71
18	Regional hippocampal vulnerability in early multiple sclerosis: Dynamic pathological spreading from dentate gyrus to <scp>CA</scp>1. Human Brain Mapping, 2018, 39, 1814-1824.	1.9	49

#	ARTICLE	IF	CITATIONS
19	LesionBrain: An Online Tool for White Matter Lesion Segmentation. Lecture Notes in Computer Science, 2018, , 95-103.	1.0	17
20	MRI Denoising Using Deep Learning. Lecture Notes in Computer Science, 2018, , 12-19.	1.0	22
21	Adaptive fusion of texture-based grading for Alzheimer's disease classification. Computerized Medical Imaging and Graphics, 2018, 70, 8-16.	3.5	44
22	MRI white matter lesion segmentation using an ensemble of neural networks and overcomplete patch-based voting. Computerized Medical Imaging and Graphics, 2018, 69, 43-51.	3.5	32
23	Comparing fully automated state-of-the-art cerebellum parcellation from magnetic resonance images. NeuroImage, 2018, 183, 150-172.	2.1	80
24	Graph of Hippocampal Subfields Grading for Alzheimer's Disease Prediction. Lecture Notes in Computer Science, 2018, , 259-266.	1.0	5
25	Graph of Brain Structures Grading for Early Detection of Alzheimer's Disease. Lecture Notes in Computer Science, 2018, , 429-436.	1.0	4
26	Long-term antipsychotic and benzodiazepine use and brain volume changes in schizophrenia: The Northern Finland Birth Cohort 1966 study. Psychiatry Research - Neuroimaging, 2017, 266, 73-82.	0.9	21
27	HIPS: A new hippocampus subfield segmentation method. NeuroImage, 2017, 163, 286-295.	2.1	56
28	Early Prediction of Alzheimer's Disease with Non-local Patch-Based Longitudinal Descriptors. Lecture Notes in Computer Science, 2017, , 74-81.	1.0	3
29	Adaptive Fusion of Texture-Based Grading: Application to Alzheimer's Disease Detection. Lecture Notes in Computer Science, 2017, , 82-89.	1.0	4
30	Hippocampus Subfield Segmentation Using a Patch-Based Boosted Ensemble of Autocontext Neural Networks. Lecture Notes in Computer Science, 2017, , 29-36.	1.0	3
31	CERES: A new cerebellum lobule segmentation method. NeuroImage, 2017, 147, 916-924.	2.1	133
32	Hippocampal microstructural damage correlates with memory impairment in clinically isolated syndrome suggestive of multiple sclerosis. Multiple Sclerosis Journal, 2017, 23, 1214-1224.	1.4	52
33	Multi-template analysis of human perirhinal cortex in brain MRI: Explicitly accounting for anatomical variability. NeuroImage, 2017, 144, 183-202.	2.1	30
34	MRI Preprocessing. , 2017, , 53-63.		13
35	volBrain: An Online MRI Brain Volumetry System. Frontiers in Neuroinformatics, 2016, 10, 30.	1.3	379
36	Patch-Based DTI Grading: Application to Alzheimer's Disease Classification. Lecture Notes in Computer Science, 2016, , 76-83.	1.0	6

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37	High Resolution Hippocampus Subfield Segmentation Using Multispectral Multiatlas Patch-Based Label Fusion. Lecture Notes in Computer Science, 2016, , 117-124.	1.0	6
38	Non-local MRI Library-Based Super-Resolution: Application to Hippocampus Subfield Segmentation. Lecture Notes in Computer Science, 2016, , 68-75.	1.0	1
39	Automatic thalamus and hippocampus segmentation from MP2RAGE: comparison of publicly available methods and implications for DTI quantification. International Journal of Computer Assisted Radiology and Surgery, 2016, 11, 1979-1991.	1.7	40
40	An Optimized PatchMatch for multi-scale and multi-feature label fusion. NeuroImage, 2016, 124, 770-782.	2.1	68
41	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.	1.0	21
42	HIST: HyperIntensity Segmentation Tool. Lecture Notes in Computer Science, 2016, , 92-99.	1.0	5
43	Detection of Alzheimer's disease signature in MR images seven years before conversion to dementia: Toward an early individual prognosis. Human Brain Mapping, 2015, 36, 4758-4770.	1.9	52
44	Automated Glioblastoma Segmentation Based on a Multiparametric Structured Unsupervised Classification. PLoS ONE, 2015, 10, e0125143.	1.1	88
45	Rotation-invariant multi-contrast non-local means for MS lesion segmentation. NeuroImage: Clinical, 2015, 8, 376-389.	1.4	56
46	MRI noise estimation and denoising using non-local PCA. Medical Image Analysis, 2015, 22, 35-47.	7.0	138
47	NABS: non-local automatic brain hemisphere segmentation. Magnetic Resonance Imaging, 2015, 33, 474-484.	1.0	25
48	Patch-Based Segmentation from MP2RAGE Images: Comparison to Conventional Techniques. Lecture Notes in Computer Science, 2015, , 180-187.	1.0	2
49	Nonlocal Intracranial Cavity Extraction. International Journal of Biomedical Imaging, 2014, 2014, 1-11.	3.0	49
50	Collaborative patch-based super-resolution for diffusion-weighted images. NeuroImage, 2013, 83, 245-261.	2.1	83
51	Diffusion Weighted Image Denoising Using Overcomplete Local PCA. PLoS ONE, 2013, 8, e73021.	1.1	299
52	Scoring by nonlocal image patch estimator for early detection of Alzheimer's disease. NeuroImage: Clinical, 2012, 1, 141-152.	1.4	104
53	BEaST: Brain extraction based on nonlocal segmentation technique. NeuroImage, 2012, 59, 2362-2373.	2.1	507
54	Simultaneous segmentation and grading of anatomical structures for patient's classification: Application to Alzheimer's disease. NeuroImage, 2012, 59, 3736-3747.	2.1	129

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55	New methods for MRI denoising based on sparseness and self-similarity. <i>Medical Image Analysis</i> , 2012, 16, 18-27.	7.0	224
56	A CANDLE for a deeper in vivo insight. <i>Medical Image Analysis</i> , 2012, 16, 849-864.	7.0	58
57	Patch-based segmentation using expert priors: Application to hippocampus and ventricle segmentation. <i>NeuroImage</i> , 2011, 54, 940-954.	2.1	692
58	Simultaneous Segmentation and Grading of Hippocampus for Patient Classification with Alzheimer's Disease. <i>Lecture Notes in Computer Science</i> , 2011, 14, 149-157.	1.0	9
59	Non-local MRI upsampling. <i>Medical Image Analysis</i> , 2010, 14, 784-792.	7.0	218
60	Adaptive non-local means denoising of MR images with spatially varying noise levels. <i>Journal of Magnetic Resonance Imaging</i> , 2010, 31, 192-203.	1.9	823
61	Robust Rician noise estimation for MR images. <i>Medical Image Analysis</i> , 2010, 14, 483-493.	7.0	200
62	MRI Superresolution Using Self-Similarity and Image Priors. <i>International Journal of Biomedical Imaging</i> , 2010, 2010, 1-11.	3.0	79
63	Improved estimates of partial volume coefficients from noisy brain MRI using spatial context. <i>NeuroImage</i> , 2010, 53, 480-490.	2.1	46
64	Multicomponent MR Image Denoising. <i>International Journal of Biomedical Imaging</i> , 2009, 2009, 1-10.	3.0	50
65	MRI denoising using Non-Local Means. <i>Medical Image Analysis</i> , 2008, 12, 514-523.	7.0	467
66	Robust MRI brain tissue parameter estimation by multistage outlier rejection. <i>Magnetic Resonance in Medicine</i> , 2008, 59, 866-873.	1.9	52
67	A nonparametric MRI inhomogeneity correction method. <i>Medical Image Analysis</i> , 2007, 11, 336-345.	7.0	60