Jose Vicente Manjon

List of Publications by Year
in descending order

67 papers	**6,435** citations	101384 **36** h-index	95083 **68** g-index
72 all docs	**72** docs citations	**72** times ranked	**7546** citing authors

#	Article	IF	Citations
1	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
2	Multi-scale graph-based grading for Alzheimerâ€™s disease prediction. Medical Image Analysis, 2021, 67, 101850.	7.0	28
3	POPCORN: Progressive Pseudo-Labeling with Consistency Regularization andÂNeighboring. Lecture Notes in Computer Science, 2021, , 373-382.	1.0	1
4	Distinct Hippocampal Subfields Atrophy in Older People With Vascular Brain Injuries. Stroke, 2021, 52, 1741-1750.	1.0	6
5	Fully automated delineation of the optic radiation for surgical planning using clinically feasible sequences. Human Brain Mapping, 2021, 42, 5911-5926.	1.9	5
6	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
7	AssemblyNet: A large ensemble of CNNs for 3D whole brain MRI segmentation. NeuroImage, 2020, 219, 117026.	2.1	78
8	pBrain: A novel pipeline for Parkinson related brain structure segmentation. NeuroImage: Clinical, 2020, 25, 102184.	1.4	11
9	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
10	RegQCNET: Deep quality control for image-to-template brain MRI affine registration. Physics in Medicine and Biology, 2020, 65, 225022.	1.6	14
11	Multimodal Hippocampal Subfield Grading For Alzheimerâ€™s Disease Classification. Scientific Reports, 2019, 9, 13845.	1.6	33
12	Automated segmentation of medial temporal lobe subregions on in vivo T1â€weighted MRI in early stages of Alzheimer's disease. Human Brain Mapping, 2019, 40, 3431-3451.	1.9	71
13	Lifespan Changes of the Human Brain In Alzheimerâ€™s Disease. Scientific Reports, 2019, 9, 3998.	1.6	113
14	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
15	LesionBrain: An Online Tool for White Matter Lesion Segmentation. Lecture Notes in Computer Science, 2018, , 95-103.	1.0	17
16	MRI Denoising Using Deep Learning. Lecture Notes in Computer Science, 2018, , 12-19.	1.0	22
17	Adaptive fusion of texture-based grading for Alzheimer's disease classification. Computerized Medical Imaging and Graphics, 2018, 70, 8-16.	3.5	44
18	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

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19	Antipsychotic and benzodiazepine use and brain morphology in schizophrenia and affective psychoses â€" Systematic reviews and birth cohort study. Psychiatry Research - Neuroimaging, 2018, 281, 43-52.	0.9	3
20	Comparing fully automated state-of-the-art cerebellum parcellation from magnetic resonance images. NeuroImage, 2018, 183, 150-172.	2.1	80
21	Graph of Hippocampal Subfields Grading for Alzheimerâ€™s Disease Prediction. Lecture Notes in Computer Science, 2018, , 259-266.	1.0	5
22	Graph of Brain Structures Grading for Early Detection of Alzheimerâ€™s Disease. Lecture Notes in Computer Science, 2018, , 429-436.	1.0	4
23	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
24	Automated cartilage segmentation from 3D MR images of hip joint using an ensemble of neural networks. , 2017, , .		4
25	HIPS: A new hippocampus subfield segmentation method. NeuroImage, 2017, 163, 286-295.	2.1	56
26	Early Prediction of Alzheimerâ€™s Disease with Non-local Patch-Based Longitudinal Descriptors. Lecture Notes in Computer Science, 2017, , 74-81.	1.0	3
27	Adaptive Fusion of Texture-Based Grading: Application to Alzheimerâ€™s Disease Detection. Lecture Notes in Computer Science, 2017, , 82-89.	1.0	4
28	Hippocampus Subfield Segmentation Using a Patch-Based Boosted Ensemble of Autocontext Neural Networks. Lecture Notes in Computer Science, 2017, , 29-36.	1.0	3
29	Towards a unified analysis of brain maturation and aging across the entire lifespan: A MRI analysis. Human Brain Mapping, 2017, 38, 5501-5518.	1.9	209
30	CERES: A new cerebellum lobule segmentation method. NeuroImage, 2017, 147, 916-924.	2.1	133
31	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
32	Multi-template analysis of human perirhinal cortex in brain MRI: Explicitly accounting for anatomical variability. NeuroImage, 2017, 144, 183-202.	2.1	30
33	volBrain: An Online MRI Brain Volumetry System. Frontiers in Neuroinformatics, 2016, 10, 30.	1.3	379
34	Patch-Based DTI Grading: Application to Alzheimerâ€™s Disease Classification. Lecture Notes in Computer Science, 2016, , 76-83.	1.0	6
35	High Resolution Hippocampus Subfield Segmentation Using Multispectral Multiatlas Patch-Based Label Fusion. Lecture Notes in Computer Science, 2016, , 117-124.	1.0	6
36	Non-local MRI Library-Based Super-Resolution: Application to Hippocampus Subfield Segmentation. Lecture Notes in Computer Science, 2016, , 68-75.	1.0	1

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37	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
38	An Optimized PatchMatch for multi-scale and multi-feature label fusion. NeuroImage, 2016, 124, 770-782.	2.1	68
39	HIST: HyperIntensity Segmentation Tool. Lecture Notes in Computer Science, 2016, , 92-99.	1.0	5
40	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
41	Automated Glioblastoma Segmentation Based on a Multiparametric Structured Unsupervised Classification. PLoS ONE, 2015, 10, e0125143.	1.1	88
42	Rotation-invariant multi-contrast non-local means for MS lesion segmentation. NeuroImage: Clinical, 2015, 8, 376-389.	1.4	56
43	MRI noise estimation and denoising using non-local PCA. Medical Image Analysis, 2015, 22, 35-47.	7.0	138
44	NABS: non-local automatic brain hemisphere segmentation. Magnetic Resonance Imaging, 2015, 33, 474-484.	1.0	25
45	Nonlocal Intracranial Cavity Extraction. International Journal of Biomedical Imaging, 2014, 2014, 1-11.	3.0	49
46	Collaborative patch-based super-resolution for diffusion-weighted images. NeuroImage, 2013, 83, 245-261.	2.1	83
47	Diffusion Weighted Image Denoising Using Overcomplete Local PCA. PLoS ONE, 2013, 8, e73021.	1.1	299
48	Scoring by nonlocal image patch estimator for early detection of Alzheimer's disease. NeuroImage: Clinical, 2012, 1, 141-152.	1.4	104
49	BEaST: Brain extraction based on nonlocal segmentation technique. NeuroImage, 2012, 59, 2362-2373.	2.1	507
50	Simultaneous segmentation and grading of anatomical structures for patient's classification: Application to Alzheimer's disease. NeuroImage, 2012, 59, 3736-3747.	2.1	129
51	New methods for MRI denoising based on sparseness and self-similarity. Medical Image Analysis, 2012, 16, 18-27.	7.0	224
52	A CANDLE for a deeper in vivo insight. Medical Image Analysis, 2012, 16, 849-864.	7.0	58
53	Patch-based segmentation using expert priors: Application to hippocampus and ventricle segmentation. NeuroImage, 2011, 54, 940-954.	2.1	692
54	Non-local MRI upsampling. Medical Image Analysis, 2010, 14, 784-792.	7.0	218

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55	Adaptive non‐local means denoising of MR images with spatially varying noise levels. Journal of Magnetic Resonance Imaging, 2010, 31, 192-203.	1.9	823
56	Robust Rician noise estimation for MR images. Medical Image Analysis, 2010, 14, 483-493.	7.0	200
57	MRI Superresolution Using Self-Similarity and Image Priors. International Journal of Biomedical Imaging, 2010, 2010, 1-11.	3.0	79
58	Increased amygdala and parahippocampal gyrus activation in schizophrenic patients with auditory hallucinations: An fMRI study using independent component analysis. Schizophrenia Research, 2010, 117, 31-41.	1.1	75
59	Improved estimates of partial volume coefficients from noisy brain MRI using spatial context. NeuroImage, 2010, 53, 480-490.	2.1	46
60	Nonlocal Patch-Based Label Fusion for Hippocampus Segmentation. Lecture Notes in Computer Science, 2010, 13, 129-136.	1.0	36
61	Multicomponent MR Image Denoising. International Journal of Biomedical Imaging, 2009, 2009, 1-10.	3.0	50
62	An Object-Based Method for Rician Noise Estimation in MR Images. Lecture Notes in Computer Science, 2009, 12, 601-608.	1.0	3
63	MRI denoising using Non-Local Means. Medical Image Analysis, 2008, 12, 514-523.	7.0	467
64	Robust MRI brain tissue parameter estimation by multistage outlier rejection. Magnetic Resonance in Medicine, 2008, 59, 866-873.	1.9	52
65	Schizophrenia with auditory hallucinations: A voxel-based morphometry study. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2008, 32, 72-80.	2.5	100
66	A nonparametric MRI inhomogeneity correction method. Medical Image Analysis, 2007, 11, 336-345.	7.0	60
67	A Novel Method to Derive Separate Gray and White Matter Cerebral Blood Flow Measures from MR Imaging of Acute Ischemic Stroke Patients. Journal of Cerebral Blood Flow and Metabolism, 2005, 25, 1236-1243.	2.4	23