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	Adaptive nonâ€local means denoising of MR images with spatially varying noise levels. Journal of Magnetic Resonance Imaging, 2010, 31, 192-203.	1.9	823
2	Patch-based segmentation using expert priors: Application to hippocampus and ventricle segmentation. NeuroImage, 2011, 54, 940-954.	2.1	692
3	BEaST: Brain extraction based on nonlocal segmentation technique. NeuroImage, 2012, 59, 2362-2373.	2.1	507
4	MRI denoising using Non-Local Means. Medical Image Analysis, 2008, 12, 514-523.	7.0	467
5	volBrain: An Online MRI Brain Volumetry System. Frontiers in Neuroinformatics, 2016, 10, 30.	1.3	379
6	Diffusion Weighted Image Denoising Using Overcomplete Local PCA. PLoS ONE, 2013, 8, e73021.	1.1	299
7	New methods for MRI denoising based on sparseness and self-similarity. Medical Image Analysis, 2012, 16, 18-27.	7.0	224
8	Non-local MRI upsampling. Medical Image Analysis, 2010, 14, 784-792.	7.0	218
9	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
10	Robust Rician noise estimation for MR images. Medical Image Analysis, 2010, 14, 483-493.	7.0	200
11	MRI noise estimation and denoising using non-local PCA. Medical Image Analysis, 2015, 22, 35-47.	7.0	138
12	CERES: A new cerebellum lobule segmentation method. NeuroImage, 2017, 147, 916-924.	2.1	133
13	Simultaneous segmentation and grading of anatomical structures for patient's classification: Application to Alzheimer's disease. NeuroImage, 2012, 59, 3736-3747.	2.1	129
14	Lifespan Changes of the Human Brain In Alzheimerâ€™s Disease. Scientific Reports, 2019, 9, 3998.	1.6	113
15	Scoring by nonlocal image patch estimator for early detection of Alzheimer's disease. NeuroImage: Clinical, 2012, 1, 141-152.	1.4	104
16	Schizophrenia with auditory hallucinations: A voxel-based morphometry study. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2008, 32, 72-80.	2.5	100
17	Automated Glioblastoma Segmentation Based on a Multiparametric Structured Unsupervised Classification. PLoS ONE, 2015, 10, e0125143.	1.1	88
18	Collaborative patch-based super-resolution for diffusion-weighted images. NeuroImage, 2013, 83, 245-261.	2.1	83

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19	Comparing fully automated state-of-the-art cerebellum parcellation from magnetic resonance images. NeuroImage, 2018, 183, 150-172.	2.1	80
20	MRI Superresolution Using Self-Similarity and Image Priors. International Journal of Biomedical Imaging, 2010, 2010, 1-11.	3.0	79
21	AssemblyNet: A large ensemble of CNNs for 3D whole brain MRI segmentation. NeuroImage, 2020, 219, 117026.	2.1	78
22	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
23	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
24	An Optimized PatchMatch for multi-scale and multi-feature label fusion. NeuroImage, 2016, 124, 770-782.	2.1	68
25	A nonparametric MRI inhomogeneity correction method. Medical Image Analysis, 2007, 11, 336-345.	7.0	60
26	A CANDLE for a deeper in vivo insight. Medical Image Analysis, 2012, 16, 849-864.	7.0	58
27	Rotation-invariant multi-contrast non-local means for MS lesion segmentation. NeuroImage: Clinical, 2015, 8, 376-389.	1.4	56
28	HIPS: A new hippocampus subfield segmentation method. NeuroImage, 2017, 163, 286-295.	2.1	56
29	Robust MRI brain tissue parameter estimation by multistage outlier rejection. Magnetic Resonance in Medicine, 2008, 59, 866-873.	1.9	52
30	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
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	Multicomponent MR Image Denoising. International Journal of Biomedical Imaging, 2009, 2009, 1-10.	3.0	50
33	Nonlocal Intracranial Cavity Extraction. International Journal of Biomedical Imaging, 2014, 2014, 1-11.	3.0	49
34	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
35	Improved estimates of partial volume coefficients from noisy brain MRI using spatial context. NeuroImage, 2010, 53, 480-490.	2.1	46
36	Adaptive fusion of texture-based grading for Alzheimer's disease classification. Computerized Medical Imaging and Graphics, 2018, 70, 8-16.	3.5	44

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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	Nonlocal Patch-Based Label Fusion for Hippocampus Segmentation. Lecture Notes in Computer Science, 2010, 13, 129-136.	1.0	36
39	Multimodal Hippocampal Subfield Grading For Alzheimerâ€™s Disease Classification. Scientific Reports, 2019, 9, 13845.	1.6	33
40	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
41	Multi-template analysis of human perirhinal cortex in brain MRI: Explicitly accounting for anatomical variability. NeuroImage, 2017, 144, 183-202.	2.1	30
42	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
43	Multi-scale graph-based grading for Alzheimerâ€™s disease prediction. Medical Image Analysis, 2021, 67, 101850.	7.0	28
44	NABS: non-local automatic brain hemisphere segmentation. Magnetic Resonance Imaging, 2015, 33, 474-484.	1.0	25
45	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
46	MRI Denoising Using Deep Learning. Lecture Notes in Computer Science, 2018, , 12-19.	1.0	22
47	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
48	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
49	LesionBrain: An Online Tool for White Matter Lesion Segmentation. Lecture Notes in Computer Science, 2018, , 95-103.	1.0	17
50	RegQCNET: Deep quality control for image-to-template brain MRI affine registration. Physics in Medicine and Biology, 2020, 65, 225022.	1.6	14
51	pBrain: A novel pipeline for Parkinson related brain structure segmentation. NeuroImage: Clinical, 2020, 25, 102184.	1.4	11
52	Patch-Based DTI Grading: Application to Alzheimerâ€™s Disease Classification. Lecture Notes in Computer Science, 2016, , 76-83.	1.0	6
53	High Resolution Hippocampus Subfield Segmentation Using Multispectral Multiatlas Patch-Based Label Fusion. Lecture Notes in Computer Science, 2016, , 117-124.	1.0	6
54	Distinct Hippocampal Subfields Atrophy in Older People With Vascular Brain Injuries. Stroke, 2021, 52, 1741-1750.	1.0	6

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55	Fully automated delineation of the optic radiation for surgical planning using clinically feasible sequences. Human Brain Mapping, 2021, 42, 5911-5926.	1.9	5
56	Graph of Hippocampal Subfields Grading for Alzheimerâ€™s Disease Prediction. Lecture Notes in Computer Science, 2018, , 259-266.	1.0	5
57	HIST: HyperIntensity Segmentation Tool. Lecture Notes in Computer Science, 2016, , 92-99.	1.0	5
58	Automated cartilage segmentation from 3D MR images of hip joint using an ensemble of neural networks. , 2017, , .		4
59	Adaptive Fusion of Texture-Based Grading: Application to Alzheimerâ€™s Disease Detection. Lecture Notes in Computer Science, 2017, , 82-89.	1.0	4
60	Graph of Brain Structures Grading for Early Detection of Alzheimerâ€™s Disease. Lecture Notes in Computer Science, 2018, , 429-436.	1.0	4
61	Early Prediction of Alzheimerâ€™s Disease with Non-local Patch-Based Longitudinal Descriptors. Lecture Notes in Computer Science, 2017, , 74-81.	1.0	3
62	Hippocampus Subfield Segmentation Using a Patch-Based Boosted Ensemble of Autocontext Neural Networks. Lecture Notes in Computer Science, 2017, , 29-36.	1.0	3
63	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
64	An Object-Based Method for Rician Noise Estimation in MR Images. Lecture Notes in Computer Science, 2009, 12, 601-608.	1.0	3
65	Non-local MRI Library-Based Super-Resolution: Application to Hippocampus Subfield Segmentation. Lecture Notes in Computer Science, 2016, , 68-75.	1.0	1
66	POPCORN: Progressive Pseudo-Labeling with Consistency Regularization andÂNeighboring. Lecture Notes in Computer Science, 2021, , 373-382.	1.0	1
67	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