Julio Acosta-Cabronero

List of Publications by Year
in descending order

71 papers	5,073 citations	109321 35 h-index	98798 67 g-index
75 all docs	75 docs citations	75 times ranked	7177 citing authors

#	Article	IF	Citations
1	What the left and right anterior fusiform gyri tell us about semantic memory. Brain, 2010, 133, 3256-3268.	7.6	377
2	Absolute diffusivities define the landscape of white matter degeneration in Alzheimer's disease. Brain, 2010, 133, 529-539.	7.6	359
3	In Vivo Quantitative Susceptibility Mapping (QSM) in Alzheimer's Disease. PLoS ONE, 2013, 8, e81093.	2.5	235
4	Understanding social dysfunction in the behavioural variant of frontotemporal dementia: the role of emotion and sarcasm processing. Brain, 2009, 132, 592-603.	7.6	219
5	Locus coeruleus imaging as a biomarker for noradrenergic dysfunction in neurodegenerative diseases. Brain, 2019, 142, 2558-2571.	7.6	219
6	In VivoMRI Mapping of Brain Iron Deposition across the Adult Lifespan. Journal of Neuroscience, 2016, 36, 364-374.	3.6	217
7	Semantic dementia and fluent primary progressive aphasia: two sides of the same coin?. Brain, 2006, 129, 3066-3080.	7.6	208
8	Atrophy, hypometabolism and white matter abnormalities in semantic dementia tell a coherent story. Brain, 2011, 134, 2025-2035.	7.6	185
9	The whole-brain pattern of magnetic susceptibility perturbations in Parkinsonâ€™s disease. Brain, 2017, 140, 118-131.	7.6	154
10	Hippocampal dysfunction in patients with mild cognitive impairment: A functional neuroimaging study of a visuospatial paired associates learning task. Neuropsychologia, 2011, 49, 2060-2070.	1.6	142
11	The pattern of amyloid accumulation in the brains of adults with Down syndrome. Alzheimer's and Dementia, 2016, 12, 538-545.	0.8	136
12	Magnetic resonance imaging of the human locus coeruleus: A systematic review. Neuroscience and Biobehavioral Reviews, 2017, 83, 325-355.	6.1	124
13	Brain iron deposition is linked with cognitive severity in Parkinsonâ€™s disease. Journal of Neurology, Neurosurgery and Psychiatry, 2020, 91, 418-425.	1.9	121
14	InÂvivo visualization of age-related differences in the locus coeruleus. Neurobiology of Aging, 2019, 74, 101-111.	3.1	117
15	Transient epileptic amnesia: regional brain atrophy and its relationship to memory deficits. Brain, 2009, 132, 357-368.	7.6	116
16	Brain-predicted age in Down syndrome is associated with beta amyloid deposition and cognitive decline. Neurobiology of Aging, 2017, 56, 41-49.	3.1	109
17	Social cognitive deficits and their neural correlates in progressive supranuclear palsy. Brain, 2012, 135, 2089-2102.	7.6	105
18	High-resolution characterisation of the aging brain using simultaneous quantitative susceptibility mapping (QSM) and R2* measurements at 7 T. NeuroImage, 2016, 138, 43-63.	4.2	101

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19	Relationship between cortical iron and tau aggregation in Alzheimerâ€™s disease. Brain, 2020, 143, 1341-1349.	7.6	101
20	Diffusion Tensor Metrics as Biomarkers in Alzheimer's Disease. PLoS ONE, 2012, 7, e49072.	2.5	101
21	Multicenter stability of diffusion tensor imaging measures: A European clinical and physical phantom study. Psychiatry Research - Neuroimaging, 2011, 194, 363-371.	1.8	98
22	Atrophy patterns in histologic vs clinical groupings of frontotemporal lobar degeneration. Neurology, 2009, 72, 1653-1660.	1.1	96
23	Diffusion tensor imaging in Alzheimer's disease: insights into the limbic-diencephalic network and methodological considerations. Frontiers in Aging Neuroscience, 2014, 6, 266.	3.4	96
24	The impact of skull-stripping and radio-frequency bias correction on grey-matter segmentation for voxel-based morphometry. NeuroImage, 2008, 39, 1654-1665.	4.2	95
25	A positron emission tomography study of nigro-striatal dopaminergic mechanisms underlying attention: implications for ADHD and its treatment. Brain, 2013, 136, 3252-3270.	7.6	90
26	Registration accuracy for VBM studies varies according to region and degenerative disease grouping. NeuroImage, 2010, 49, 2205-2215.	4.2	66
27	Quantitative Susceptibility MRI to Detect Brain Iron in Amyotrophic Lateral Sclerosis. Radiology, 2018, 289, 195-203.	7.3	61
28	Diffusion tensor magnetic resonance imaging for single subject diagnosis in neurodegenerative diseases. Brain, 2013, 136, 2253-2261.	7.6	60
29	A robust multi-scale approach to quantitative susceptibility mapping. NeuroImage, 2018, 183, 7-24.	4.2	60
30	Fast nonlinear susceptibility inversion with variational regularization. Magnetic Resonance in Medicine, 2018, 80, 814-821.	3.0	55
31	Structural and diffusion imaging versus clinical assessment to monitor amyotrophic lateral sclerosis. NeuroImage: Clinical, 2016, 11, 408-414.	2.7	51
32	The Down syndrome brain in the presence and absence of fibrillar Î²-amyloidosis. Neurobiology of Aging, 2017, 53, 11-19.	3.1	50
33	The relationship of topographical memory performance to regional neurodegeneration in Alzheimer's disease. Frontiers in Aging Neuroscience, 2012, 4, 17.	3.4	47
34	Disrupted iron regulation in the brain and periphery in cocaine addiction. Translational Psychiatry, 2017, 7, e1040-e1040.	4.8	47
35	Can neuroimaging predict dementia in Parkinsonâ€™s disease?. Brain, 2018, 141, 2545-2560.	7.6	46
36	Significance of CSF NfL and tau in ALS. Journal of Neurology, 2018, 265, 2633-2645.	3.6	45

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37	Regional brain iron and gene expression provide insights into neurodegeneration in Parkinsonâ€™s disease. Brain, 2021, 144, 1787-1798.	7.6	44
38	Establishing intraâ€•and interâ€•vendor reproducibility of T₁ relaxation time measurements with 3T MRI. Magnetic Resonance in Medicine, 2019, 81, 454-465.	3.0	37
39	Prospective motion correction improves highâ€•resolution quantitative susceptibility mapping at 7T. Magnetic Resonance in Medicine, 2019, 81, 1605-1619.	3.0	33
40	Probabilistic tractography of the optic radiationsâ€”An automated method and anatomical validation. NeuroImage, 2010, 49, 2001-2012.	4.2	32
41	Central white matter degeneration in bulbar- and limb-onset amyotrophic lateral sclerosis. Journal of Neurology, 2014, 261, 1961-1967.	3.6	30
42	MRI detection of tissue pathology beyond atrophy in Alzheimer's disease: Introducing T2-VBM. NeuroImage, 2011, 56, 1946-1953.	4.2	28
43	A Brief History of Voxel-Based Grey Matter Analysis in Alzheimer's Disease. Journal of Alzheimer's Disease, 2013, 38, 647-659.	2.6	27
44	Associations of Brain Atrophy and Cerebral Iron Accumulation at MRI with Clinical Severity in Wilson Disease. Radiology, 2021, 299, 662-672.	7.3	22
45	Comprehensive ultrahigh resolution whole brain in vivo MRI dataset as a human phantom. Scientific Data, 2021, 8, 138.	5.3	21
46	Diffusion Tensor MRI to Distinguish Progressive Supranuclear Palsy from Î±-Synucleinopathies. Radiology, 2019, 293, 646-653.	7.3	20
47	Weakâ€•harmonic regularization for quantitative susceptibility mapping. Magnetic Resonance in Medicine, 2019, 81, 1399-1411.	3.0	19
48	Multiparametric Quantitative Brain MRI in Neurological and Hepatic Forms of Wilson's Disease. Journal of Magnetic Resonance Imaging, 2020, 51, 1829-1835.	3.4	19
49	Detection of Cerebral Microbleeds With Venous Connection at 7-Tesla MRI. Neurology, 2021, 96, e2048-e2057.	1.1	19
50	The 2016 QSM Challenge: Lessons learned and considerations for a future challenge design. Magnetic Resonance in Medicine, 2020, 84, 1624-1637.	3.0	18
51	Measurements by MRI of the settling and packing of solid particles from aqueous suspensions. AICHE Journal, 2009, 55, 1426-1433.	3.6	17
52	European Ultrahighâ€•Field Imaging Network for Neurodegenerative Diseases (EUFIND). Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring, 2019, 11, 538-549.	2.4	17
53	The choice of embedding media affects image quality, tissue R₂[*], and susceptibility behaviors in postâ€•mortem brain MR microscopy at 7.0T. Magnetic Resonance in Medicine, 2019, 81, 2688-2701.	3.0	17
54	A New Fast Accurate Nonlinear Medical Image Registration Program Including Surface Preserving Regularization. IEEE Transactions on Medical Imaging, 2014, 33, 2118-2127.	8.9	16

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55	Brain Iron and Metabolic Abnormalities in C19orf12 Mutation Carriers: A 7.0 Tesla MRI Study in Mitochondrial Membrane Proteinâ€“Associated Neurodegeneration. Movement Disorders, 2020, 35, 142-150.	3.9	16
56	Neuroimaging correlates of brain injury in Wilsonâ€™s disease: a multimodal, whole-brain MRI study. Brain, 2022, 145, 263-275.	7.6	16
57	Prominent White Matter Involvement in Multiple System Atrophy of Cerebellar Type. Movement Disorders, 2020, 35, 816-824.	3.9	15
58	Subcortical matter in the Î±-synucleinopathies spectrum: an MRI pilot study. Journal of Neurology, 2016, 263, 1575-1582.	3.6	12
59	Comparison of parameter optimization methods for quantitative susceptibility mapping. Magnetic Resonance in Medicine, 2021, 85, 480-494.	3.0	12
60	Prefrontal cortical thickness in motor neuron disease. NeuroImage: Clinical, 2018, 18, 648-655.	2.7	11
61	Robust 3D Blochâ€“Siegert based mapping using multiâ€echo general linear modeling. Magnetic Resonance in Medicine, 2019, 82, 2003-2015.	3.0	11
62	Quantification of receptorâ€“ligand binding potential in sub-striatal domains using probabilistic and template regions of interest. NeuroImage, 2011, 55, 101-112.	4.2	10
63	FDG-PET assessment of the locus coeruleus in Alzheimerâ€™s disease. NeuroImage Reports, 2021, 1, 100002.	1.0	9
64	VBM with viscous fluid registration of gray matter segments in SPM. Frontiers in Aging Neuroscience, 2013, 5, 30.	3.4	5
65	A multiâ€contrast MRI approach to thalamus segmentation. Human Brain Mapping, 2020, 41, 2104-2120.	3.6	4
66	Measurement of particle separation by magnetic resonance imaging. IEEE Sensors Journal, 2005, 5, 268-272.	4.7	2
67	Comparing voxel-based iterative sensitivity and voxel-based morphometry to detect abnormalities in T2-weighted MRI. NeuroImage, 2014, 100, 379-384.	4.2	1
68	A new discrete dipole kernel for quantitative susceptibility mapping. Magnetic Resonance Imaging, 2018, 51, 7-13.	1.8	1
69	A fast surface-aware 3D non-linear image registration algorithm implemented on a GPU. , 2012, , .		0
70	BEYOND THE HIPPOCAMPUS: MEMORY IMPAIRMENT IN AD MIGHT ALSO RELATE TO RETROSPLENIAL DAMAGE. Journal of Neurology, Neurosurgery and Psychiatry, 2012, 83, A15.3-A15.	1.9	0
71	P1â€449: MAPPING AMYLOID DEPOSITION ON CORTICAL ATROPHY IN DOWN SYNDROME: A COMBINED BASELINE AND 2â€YEAR LONGITUDINAL ANALYSIS. Alzheimer's and Dementia, 2018, 14, P487.	0.8	0