

Julio Acosta-Cabronero

List of Publications by Year in descending order

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Version: 2024-02-01

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	Neuroimaging correlates of brain injury in Wilson's disease: a multimodal, whole-brain MRI study. <i>Brain</i> , 2022, 145, 263-275.	7.6	16
2	Comparison of parameter optimization methods for quantitative susceptibility mapping. <i>Magnetic Resonance in Medicine</i> , 2021, 85, 480-494.	3.0	12
3	Regional brain iron and gene expression provide insights into neurodegeneration in Parkinson's disease. <i>Brain</i> , 2021, 144, 1787-1798.	7.6	44
4	FDG-PET assessment of the locus coeruleus in Alzheimer's disease. <i>NeuroImage Reports</i> , 2021, 1, 100002.	1.0	9
5	Detection of Cerebral Microbleeds With Venous Connection at 7-Tesla MRI. <i>Neurology</i> , 2021, 96, e2048-e2057.	1.1	19
6	Comprehensive ultrahigh resolution whole brain in vivo MRI dataset as a human phantom. <i>Scientific Data</i> , 2021, 8, 138.	5.3	21
7	Associations of Brain Atrophy and Cerebral Iron Accumulation at MRI with Clinical Severity in Wilson Disease. <i>Radiology</i> , 2021, 299, 662-672.	7.3	22
8	Multiparametric Quantitative Brain MRI in Neurological and Hepatic Forms of Wilson's Disease. <i>Journal of Magnetic Resonance Imaging</i> , 2020, 51, 1829-1835.	3.4	19
9	Brain Iron and Metabolic Abnormalities in C19orf12 Mutation Carriers: A 7.0 Tesla MRI Study in Mitochondrial Membrane Protein-associated Neurodegeneration. <i>Movement Disorders</i> , 2020, 35, 142-150.	3.9	16
10	Brain iron deposition is linked with cognitive severity in Parkinson's disease. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2020, 91, 418-425.	1.9	121
11	The 2016 QSM Challenge: Lessons learned and considerations for a future challenge design. <i>Magnetic Resonance in Medicine</i> , 2020, 84, 1624-1637.	3.0	18
12	A multi-contrast MRI approach to thalamus segmentation. <i>Human Brain Mapping</i> , 2020, 41, 2104-2120.	3.6	4
13	Prominent White Matter Involvement in Multiple System Atrophy of Cerebellar Type. <i>Movement Disorders</i> , 2020, 35, 816-824.	3.9	15
14	Relationship between cortical iron and tau aggregation in Alzheimer's disease. <i>Brain</i> , 2020, 143, 1341-1349.	7.6	101
15	European Ultrahigh-Field Imaging Network for Neurodegenerative Diseases (EUFIND). <i>Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring</i> , 2019, 11, 538-549.	2.4	17
16	Robust 3D Bloch-Siegert based mapping using multi-echo general linear modeling. <i>Magnetic Resonance in Medicine</i> , 2019, 82, 2003-2015.	3.0	11
17	Locus coeruleus imaging as a biomarker for noradrenergic dysfunction in neurodegenerative diseases. <i>Brain</i> , 2019, 142, 2558-2571.	7.6	219
18	Diffusion Tensor MRI to Distinguish Progressive Supranuclear Palsy from α -Synucleinopathies. <i>Radiology</i> , 2019, 293, 646-653.	7.3	20

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19	Establishing intra- and inter-vendor reproducibility of T ₁ relaxation time measurements with 3T MRI. <i>Magnetic Resonance in Medicine</i> , 2019, 81, 454-465.	3.0	37
20	In vivo visualization of age-related differences in the locus coeruleus. <i>Neurobiology of Aging</i> , 2019, 74, 101-111.	3.1	117
21	The choice of embedding media affects image quality, tissue R ₂ [*] , and susceptibility behaviors in post-mortem brain MR microscopy at 7.0T. <i>Magnetic Resonance in Medicine</i> , 2019, 81, 2688-2701.	3.0	17
22	Prospective motion correction improves high-resolution quantitative susceptibility mapping at 7T. <i>Magnetic Resonance in Medicine</i> , 2019, 81, 1605-1619.	3.0	33
23	Weak-harmonic regularization for quantitative susceptibility mapping. <i>Magnetic Resonance in Medicine</i> , 2019, 81, 1399-1411.	3.0	19
24	Prefrontal cortical thickness in motor neuron disease. <i>NeuroImage: Clinical</i> , 2018, 18, 648-655.	2.7	11
25	A new discrete dipole kernel for quantitative susceptibility mapping. <i>Magnetic Resonance Imaging</i> , 2018, 51, 7-13.	1.8	1
26	Fast nonlinear susceptibility inversion with variational regularization. <i>Magnetic Resonance in Medicine</i> , 2018, 80, 814-821.	3.0	55
27	P1449: MAPPING AMYLOID DEPOSITION ON CORTICAL ATROPHY IN DOWN SYNDROME: A COMBINED BASELINE AND 2-YEAR LONGITUDINAL ANALYSIS. <i>Alzheimer's and Dementia</i> , 2018, 14, P487.	0.8	0
28	Significance of CSF NfL and tau in ALS. <i>Journal of Neurology</i> , 2018, 265, 2633-2645.	3.6	45
29	A robust multi-scale approach to quantitative susceptibility mapping. <i>NeuroImage</i> , 2018, 183, 7-24.	4.2	60
30	Quantitative Susceptibility MRI to Detect Brain Iron in Amyotrophic Lateral Sclerosis. <i>Radiology</i> , 2018, 289, 195-203.	7.3	61
31	Can neuroimaging predict dementia in Parkinson's disease?. <i>Brain</i> , 2018, 141, 2545-2560.	7.6	46
32	Disrupted iron regulation in the brain and periphery in cocaine addiction. <i>Translational Psychiatry</i> , 2017, 7, e1040-e1040.	4.8	47
33	The Down syndrome brain in the presence and absence of fibrillar A β -amyloidosis. <i>Neurobiology of Aging</i> , 2017, 53, 11-19.	3.1	50
34	Brain-predicted age in Down syndrome is associated with beta amyloid deposition and cognitive decline. <i>Neurobiology of Aging</i> , 2017, 56, 41-49.	3.1	109
35	Magnetic resonance imaging of the human locus coeruleus: A systematic review. <i>Neuroscience and Biobehavioral Reviews</i> , 2017, 83, 325-355.	6.1	124
36	The whole-brain pattern of magnetic susceptibility perturbations in Parkinson's disease. <i>Brain</i> , 2017, 140, 118-131.	7.6	154

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37	High-resolution characterisation of the aging brain using simultaneous quantitative susceptibility mapping (QSM) and R2* measurements at 7 T. <i>NeuroImage</i> , 2016, 138, 43-63.	4.2	101
38	Subcortical matter in the α -synucleinopathies spectrum: an MRI pilot study. <i>Journal of Neurology</i> , 2016, 263, 1575-1582.	3.6	12
39	Structural and diffusion imaging versus clinical assessment to monitor amyotrophic lateral sclerosis. <i>NeuroImage: Clinical</i> , 2016, 11, 408-414.	2.7	51
40	<i>In Vivo</i> MRI Mapping of Brain Iron Deposition across the Adult Lifespan. <i>Journal of Neuroscience</i> , 2016, 36, 364-374.	3.6	217
41	The pattern of amyloid accumulation in the brains of adults with Down syndrome. <i>Alzheimer's and Dementia</i> , 2016, 12, 538-545.	0.8	136
42	Diffusion tensor imaging in Alzheimer's disease: insights into the limbic-diencephalic network and methodological considerations. <i>Frontiers in Aging Neuroscience</i> , 2014, 6, 266.	3.4	96
43	Central white matter degeneration in bulbar- and limb-onset amyotrophic lateral sclerosis. <i>Journal of Neurology</i> , 2014, 261, 1961-1967.	3.6	30
44	Comparing voxel-based iterative sensitivity and voxel-based morphometry to detect abnormalities in T2-weighted MRI. <i>NeuroImage</i> , 2014, 100, 379-384.	4.2	1
45	A New Fast Accurate Nonlinear Medical Image Registration Program Including Surface Preserving Regularization. <i>IEEE Transactions on Medical Imaging</i> , 2014, 33, 2118-2127.	8.9	16
46	Diffusion tensor magnetic resonance imaging for single subject diagnosis in neurodegenerative diseases. <i>Brain</i> , 2013, 136, 2253-2261.	7.6	60
47	A positron emission tomography study of nigro-striatal dopaminergic mechanisms underlying attention: implications for ADHD and its treatment. <i>Brain</i> , 2013, 136, 3252-3270.	7.6	90
48	A Brief History of Voxel-Based Grey Matter Analysis in Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2013, 38, 647-659.	2.6	27
49	In Vivo Quantitative Susceptibility Mapping (QSM) in Alzheimer's Disease. <i>PLoS ONE</i> , 2013, 8, e81093.	2.5	235
50	VBM with viscous fluid registration of gray matter segments in SPM. <i>Frontiers in Aging Neuroscience</i> , 2013, 5, 30.	3.4	5
51	A fast surface-aware 3D non-linear image registration algorithm implemented on a GPU. , 2012, , .		0
52	BEYOND THE HIPPOCAMPUS: MEMORY IMPAIRMENT IN AD MIGHT ALSO RELATE TO RETROSPLLENIAL DAMAGE. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2012, 83, A15.3-A15.	1.9	0
53	The relationship of topographical memory performance to regional neurodegeneration in Alzheimer's disease. <i>Frontiers in Aging Neuroscience</i> , 2012, 4, 17.	3.4	47
54	Social cognitive deficits and their neural correlates in progressive supranuclear palsy. <i>Brain</i> , 2012, 135, 2089-2102.	7.6	105

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55	Diffusion Tensor Metrics as Biomarkers in Alzheimer's Disease. PLoS ONE, 2012, 7, e49072.	2.5	101
56	MRI detection of tissue pathology beyond atrophy in Alzheimer's disease: Introducing T2-VBM. NeuroImage, 2011, 56, 1946-1953.	4.2	28
57	Quantification of receptor-ligand binding potential in sub-striatal domains using probabilistic and template regions of interest. NeuroImage, 2011, 55, 101-112.	4.2	10
58	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
59	Multicenter stability of diffusion tensor imaging measures: A European clinical and physical phantom study. Psychiatry Research - Neuroimaging, 2011, 194, 363-371.	1.8	98
60	Atrophy, hypometabolism and white matter abnormalities in semantic dementia tell a coherent story. Brain, 2011, 134, 2025-2035.	7.6	185
61	What the left and right anterior fusiform gyri tell us about semantic memory. Brain, 2010, 133, 3256-3268.	7.6	377
62	Absolute diffusivities define the landscape of white matter degeneration in Alzheimer's disease. Brain, 2010, 133, 529-539.	7.6	359
63	Registration accuracy for VBM studies varies according to region and degenerative disease grouping. NeuroImage, 2010, 49, 2205-2215.	4.2	66
64	Probabilistic tractography of the optic radiations—An automated method and anatomical validation. NeuroImage, 2010, 49, 2001-2012.	4.2	32
65	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
66	Transient epileptic amnesia: regional brain atrophy and its relationship to memory deficits. Brain, 2009, 132, 357-368.	7.6	116
67	Atrophy patterns in histologic vs clinical groupings of frontotemporal lobar degeneration. Neurology, 2009, 72, 1653-1660.	1.1	96
68	Measurements by MRI of the settling and packing of solid particles from aqueous suspensions. AIChE Journal, 2009, 55, 1426-1433.	3.6	17
69	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
70	Semantic dementia and fluent primary progressive aphasia: two sides of the same coin?. Brain, 2006, 129, 3066-3080.	7.6	208
71	Measurement of particle separation by magnetic resonance imaging. IEEE Sensors Journal, 2005, 5, 268-272.	4.7	2