

Jorge Jovicich

List of Publications by Year in descending order

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Version: 2024-02-01

111
papers

7,028
citations

147801

31
h-index

62596

80
g-index

118
all docs

118
docs citations

118
times ranked

11394
citing authors

#	ARTICLE	IF	CITATIONS
1	Reliability of MRI-derived measurements of human cerebral cortical thickness: The effects of field strength, scanner upgrade and manufacturer. <i>NeuroImage</i> , 2006, 32, 180-194.	4.2	1,337
2	Reliability in multi-site structural MRI studies: Effects of gradient non-linearity correction on phantom and human data. <i>NeuroImage</i> , 2006, 30, 436-443.	4.2	1,107
3	ADJUST: An automatic EEG artifact detector based on the joint use of spatial and temporal features. <i>Psychophysiology</i> , 2011, 48, 229-240.	2.4	996
4	MRI-derived measurements of human subcortical, ventricular and intracranial brain volumes: Reliability effects of scan sessions, acquisition sequences, data analyses, scanner upgrade, scanner vendors and field strengths. <i>NeuroImage</i> , 2009, 46, 177-192.	4.2	482
5	Anterior temporal lobe degeneration produces widespread network-driven dysfunction. <i>Brain</i> , 2013, 136, 2979-2991.	7.6	184
6	Brain Areas Specific for Attentional Load in a Motion-Tracking Task. <i>Journal of Cognitive Neuroscience</i> , 2001, 13, 1048-1058.	2.3	183
7	Brain morphometry reproducibility in multi-center 3T MRI studies: A comparison of cross-sectional and longitudinal segmentations. <i>NeuroImage</i> , 2013, 83, 472-484.	4.2	157
8	A resting state network in the motor control circuit of the basal ganglia. <i>BMC Neuroscience</i> , 2009, 10, 137.	1.9	134
9	Disease Tracking Markers for Alzheimer's Disease at the Prodromal (MCI) Stage. <i>Journal of Alzheimer's Disease</i> , 2011, 26, 159-199.	2.6	120
10	Trait and state anxiety are mapped differently in the human brain. <i>Scientific Reports</i> , 2020, 10, 11112.	3.3	106
11	The Effects of Tamoxifen and Estrogen on Brain Metabolism in Elderly Women. <i>Journal of the National Cancer Institute</i> , 2002, 94, 592-597.	6.3	100
12	Multisite longitudinal reliability of tract-based spatial statistics in diffusion tensor imaging of healthy elderly subjects. <i>NeuroImage</i> , 2014, 101, 390-403.	4.2	99
13	Cerebrovascular reactivity mapping in patients with low grade gliomas undergoing presurgical sensorimotor mapping with BOLD fMRI. <i>Journal of Magnetic Resonance Imaging</i> , 2014, 40, 383-390.	3.4	94
14	Longitudinal reproducibility of default-mode network connectivity in healthy elderly participants: A multicentric resting-state fMRI study. <i>NeuroImage</i> , 2016, 124, 442-454.	4.2	85
15	Variability of physiological brain perfusion in healthy subjects – A systematic review of modifiers. Considerations for multi-center ASL studies. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2018, 38, 1418-1437.	4.3	84
16	Static and dynamic posterior cingulate cortex nodal topology of default mode network predicts attention task performance. <i>Brain Imaging and Behavior</i> , 2016, 10, 212-225.	2.1	83
17	Persistent Brain Abnormalities in Antiretroviral-Naive HIV Patients 3 Months after Haart. <i>Antiviral Therapy</i> , 2003, 8, 17-26.	1.0	77
18	Free water elimination improves test-retest reproducibility of diffusion tensor imaging indices in the brain: A longitudinal multisite study of healthy elderly subjects. <i>Human Brain Mapping</i> , 2017, 38, 12-26.	3.6	72

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19	A Neuronal Basis for Task-Negative Responses in the Human Brain. <i>Cerebral Cortex</i> , 2011, 21, 821-830.	2.9	71
20	Mechanisms of Rule Acquisition and Rule Following in Inductive Reasoning. <i>Journal of Neuroscience</i> , 2011, 31, 7763-7774.	3.6	66
21	Clinical and biomarker profiling of prodromal Alzheimer's disease in workpackage 5 of the Innovative Medicines Initiative PharmaCog project: a "European ADNI study". <i>Journal of Internal Medicine</i> , 2016, 279, 576-591.	6.0	64
22	Association between CSF biomarkers, hippocampal volume and cognitive function in patients with amnesic mild cognitive impairment (MCI). <i>Neurobiology of Aging</i> , 2017, 53, 1-10.	3.1	59
23	Diffusion-based tractography atlas of the human acoustic radiation. <i>Scientific Reports</i> , 2019, 9, 4046.	3.3	57
24	Unconscious Priming Instructions Modulate Activity in Default and Executive Networks of the Human Brain. <i>Cerebral Cortex</i> , 2012, 22, 639-649.	2.9	52
25	Collaborative computational anatomy: An MRI morphometry study of the human brain via diffeomorphic metric mapping. <i>Human Brain Mapping</i> , 2009, 30, 2132-2141.	3.6	48
26	Rapid hippocampal plasticity supports motor sequence learning. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 23898-23903.	7.1	48
27	Structural connectivity of the human anterior temporal lobe: A diffusion magnetic resonance imaging study. <i>Human Brain Mapping</i> , 2016, 37, 2210-2222.	3.6	47
28	Distinct Neural Substrates for Semantic Knowledge and Naming in the Temporoparietal Network. <i>Cerebral Cortex</i> , 2012, 22, 2217-2226.	2.9	45
29	Mapping with multi-channel RF coils at high field. <i>Magnetic Resonance in Medicine</i> , 2011, 66, 976-988.	3.0	44
30	Functional dysconnectivity of the limbic loop of frontostriatal circuits in first-episode, treatment-naïve schizophrenia. <i>Human Brain Mapping</i> , 2018, 39, 747-757.	3.6	41
31	Topography of the human acoustic radiation as revealed by ex vivo fibers micro-dissection and in vivo diffusion-based tractography. <i>Brain Structure and Function</i> , 2018, 223, 449-459.	2.3	40
32	Differential intrinsic functional connectivity changes in semantic variant primary progressive aphasia. <i>NeuroImage: Clinical</i> , 2019, 22, 101797.	2.7	40
33	Test-retest reliability of the default mode network in a multi-centric fMRI study of healthy elderly: Effects of data-driven physiological noise correction techniques. <i>Human Brain Mapping</i> , 2016, 37, 2114-2132.	3.6	38
34	Amygdalar nuclei and hippocampal subfields on MRI: Test-retest reliability of automated volumetry across different MRI sites and vendors. <i>NeuroImage</i> , 2020, 218, 116932.	4.2	38
35	Longitudinal reproducibility of automatically segmented hippocampal subfields: A multisite European 3T study on healthy elderly. <i>Human Brain Mapping</i> , 2015, 36, 3516-3527.	3.6	34
36	Two-Year Longitudinal Monitoring of Amnesic Mild Cognitive Impairment Patients with Prodromal Alzheimer's Disease Using Topographical Biomarkers Derived from Functional Magnetic Resonance Imaging and Electroencephalographic Activity. <i>Journal of Alzheimer's Disease</i> , 2019, 69, 15-35.	2.6	34

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37	Reproducibility and biases in high field brain diffusion MRI: An evaluation of acquisition and analysis variables. <i>Magnetic Resonance Imaging</i> , 2013, 31, 827-839.	1.8	31
38	Brains of verbal memory specialists show anatomical differences in language, memory and visual systems. <i>NeuroImage</i> , 2016, 131, 181-192.	4.2	30
39	The role of medial prefrontal cortex in processing emotional self-referential information: a combined TMS/fMRI study. <i>Brain Imaging and Behavior</i> , 2019, 13, 603-614.	2.1	28
40	A Missing Connection: A Review of the Macrostructural Anatomy and Tractography of the Acoustic Radiation. <i>Frontiers in Neuroanatomy</i> , 2019, 13, 27.	1.7	28
41	Synchronization, non-linear dynamics and low-frequency fluctuations: Analogy between spontaneous brain activity and networked single-transistor chaotic oscillators. <i>Chaos</i> , 2015, 25, 033107.	2.5	27
42	White matter connectivity between occipital and temporal regions involved in face and voice processing in hearing and early deaf individuals. <i>NeuroImage</i> , 2018, 179, 263-274.	4.2	27
43	Whole-Brain Network Connectivity Underlying the Human Speech Articulation as Emerged Integrating Direct Electric Stimulation, Resting State fMRI and Tractography. <i>Frontiers in Human Neuroscience</i> , 2018, 12, 405.	2.0	26
44	ReStNeuMap: a tool for automatic extraction of resting-state functional MRI networks in neurosurgical practice. <i>Journal of Neurosurgery</i> , 2019, 131, 764-771.	1.6	24
45	Accuracy and reproducibility of automated white matter hyperintensities segmentation with lesion segmentation tool: A European multi-site 3T study. <i>Magnetic Resonance Imaging</i> , 2021, 76, 108-115.	1.8	24
46	Plasma A β 242 as a Biomarker of Prodromal Alzheimer's Disease Progression in Patients with Amnesic Mild Cognitive Impairment: Evidence from the PharmaCog/E-ADNI Study. <i>Journal of Alzheimer's Disease</i> , 2019, 69, 37-48.	2.6	23
47	Method for retrospective estimation of natural head movement during structural MRI. <i>Journal of Magnetic Resonance Imaging</i> , 2018, 48, 927-937.	3.4	19
48	Direct Structural Connections between Auditory and Visual Motion-Selective Regions in Humans. <i>Journal of Neuroscience</i> , 2021, 41, 2393-2405.	3.6	19
49	Progression to deep sleep is characterized by changes to BOLD dynamics in sensory cortices. <i>NeuroImage</i> , 2016, 130, 293-305.	4.2	18
50	Predicting and Tracking Short Term Disease Progression in Amnesic Mild Cognitive Impairment Patients with Prodromal Alzheimer's Disease: Structural Brain Biomarkers. <i>Journal of Alzheimer's Disease</i> , 2019, 69, 3-14.	2.6	18
51	Antipsychotic treatment and basal ganglia volumes: Exploring the role of receptor occupancy, dosage and remission status. <i>Schizophrenia Research</i> , 2019, 208, 114-123.	2.0	18
52	The Genetics of Endophenotypes of Neurofunction to Understand Schizophrenia (GENUS) consortium: A collaborative cognitive and neuroimaging genetics project. <i>Schizophrenia Research</i> , 2018, 195, 306-317.	2.0	17
53	Theranostic gold-magnetite hybrid nanoparticles for MRI-guided radiosensitization. <i>Nanotechnology</i> , 2018, 29, 315101.	2.6	16
54	Functional MRI of the human brain with GRASE-based BOLD contrast. <i>Magnetic Resonance in Medicine</i> , 1999, 41, 871-876.	3.0	15

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55	ICA analysis of fMRI with real-time constraints: an evaluation of fast detection performance as function of algorithms, parameters and a priori conditions. <i>Frontiers in Human Neuroscience</i> , 2013, 7, 19.	2.0	14
56	Functional and Developmental Significance of Amplitude Variance Asymmetry in the BOLD Resting-State Signal. <i>Cerebral Cortex</i> , 2014, 24, 1332-1350.	2.9	14
57	Fast computation of voxel-level brain connectivity maps from resting-state functional MRI using l1-norm as approximation of Pearson's temporal correlation: Proof-of-concept and example vector hardware implementation. <i>Medical Engineering and Physics</i> , 2014, 36, 1212-1217.	1.7	14
58	The Use of a priori Information in ICA-Based Techniques for Real-Time fMRI: An Evaluation of Static/Dynamic and Spatial/Temporal Characteristics. <i>Frontiers in Human Neuroscience</i> , 2013, 7, 64.	2.0	13
59	Retrospective head motion correction approaches for diffusion tensor imaging: Effects of preprocessing choices on biases and reproducibility of scalar diffusion metrics. <i>Journal of Magnetic Resonance Imaging</i> , 2016, 43, 99-106.	3.4	13
60	Harmonization of neuroimaging biomarkers for neurodegenerative diseases: A survey in the imaging community of perceived barriers and suggested actions. <i>Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring</i> , 2019, 11, 69-73.	2.4	13
61	Methodological considerations in designing and implementing the harmonized diagnostic assessment of dementia for longitudinal aging study in India (LASIâ€“DAD). <i>Biodemography and Social Biology</i> , 2020, 65, 189-213.	1.0	13
62	GRASE imaging at 3 Tesla with template interactive phaseâ€“encoding. <i>Magnetic Resonance in Medicine</i> , 1998, 39, 970-979.	3.0	12
63	Length matters: Improved high field EEGâ€“fMRI recordings using shorter EEG cables. <i>Journal of Neuroscience Methods</i> , 2016, 269, 74-87.	2.5	12
64	CSF cutoffs for MCI due to AD depend on APOE ϵ 4 carrier status. <i>Neurobiology of Aging</i> , 2020, 89, 55-62.	3.1	11
65	In vivo Correlation Tensor MRI reveals microscopic kurtosis in the human brain on a clinical 3T scanner. <i>NeuroImage</i> , 2022, 254, 119137.	4.2	11
66	Automatic classification of brain resting states using fMRI temporal signals. <i>Electronics Letters</i> , 2009, 45, 19.	1.0	10
67	Independent circuits in basal ganglia and cortex for the processing of reward and precision feedback. <i>NeuroImage</i> , 2017, 162, 56-64.	4.2	10
68	The role of the default mode network in longitudinal functional brain reorganization of brain gliomas. <i>Brain Structure and Function</i> , 2022, 227, 2923-2937.	2.3	9
69	Testâ€“Retest Reproducibility of the Intrinsic Default Mode Network: Influence of Functional Magnetic Resonance Imaging Slice-Order Acquisition and Head-Motion Correction Methods. <i>Brain Connectivity</i> , 2017, 7, 69-83.	1.7	8
70	Adaptability and reproducibility of a memory disruption rTMS protocol in the PharmaCog IMI European project. <i>Scientific Reports</i> , 2018, 8, 9371.	3.3	8
71	Biomarker Matrix to Track Short Term Disease Progression in Amnesic Mild Cognitive Impairment Patients with Prodromal Alzheimerâ€“ TM s Disease. <i>Journal of Alzheimer's Disease</i> , 2019, 69, 49-58.	2.6	8
72	Improving Spatial Normalization of Brain Diffusion MRI to Measure Longitudinal Changes of Tissue Microstructure in the Cortex and White Matter. <i>Journal of Magnetic Resonance Imaging</i> , 2020, 52, 766-775.	3.4	7

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73	Structural Brain Network Reproducibility: Influence of Different Diffusion Acquisition and Tractography Reconstruction Schemes on Graph Metrics. <i>Brain Connectivity</i> , 2022, 12, 754-767.	1.7	7
74	Automatic multispectral MRI segmentation of human hippocampal subfields: an evaluation of multicentric test-retest reproducibility. <i>Brain Structure and Function</i> , 2021, 226, 137-150.	2.3	6
75	Self-similarity and quasi-idempotence in neural networks and related dynamical systems. <i>Chaos</i> , 2017, 27, 043115.	2.5	6
76	BDNF Val66Met gene polymorphism modulates brain activity following rTMS-induced memory impairment. <i>Scientific Reports</i> , 2022, 12, 176.	3.3	5
77	[P4-157]: CSF BIOMARKERS AND EFFECT OF APOLIPOPROTEIN E GENOTYPE, AGE AND SEX ON CUT-OFF DERIVATION IN MILD COGNITIVE IMPAIRMENT. <i>Alzheimer's and Dementia</i> , 2017, 13, P1319.	0.8	4
78	Convergent and Discriminant Validity of Default Mode Network and Limbic Network Perfusion in Amnesic Mild Cognitive Impairment Patients. <i>Journal of Alzheimer's Disease</i> , 2021, 82, 1797-1808.	2.6	4
79	P2-188: Characterization of cognitive function with the cantab in individuals with amnesic mild cognitive impairment in relation to hippocampal volume, amyloid, and tau status: Preliminary baseline results from the PharmaCog/european-ADNI study. , 2015, 11, P564-P564.		2
80	P2-302: CSF Beta-Amyloid- and APOE ϵ 4-Related Decline in Episodic Memory Over 12 Months Measured using the Cantab in Individuals with Amnesic MCI: Results from the European ADNI Study. , 2016, 12, P751-P751.		2
81	IC-P-039: Impairment of Resting-State Functional Connectivity in The Default Mode Network Closely Tracks CSF Biomarkers In MCI. <i>Alzheimer's and Dementia</i> , 2016, 12, P34.	0.8	2
82	First-episode psychosis: Structural covariance deficits in salience network correlate with symptoms severity. <i>Journal of Psychiatric Research</i> , 2021, 136, 409-420.	3.1	2
83	Improved Reproducibility of Neuroanatomical Definitions through Diffeomorphometry and Complexity Reduction. <i>Lecture Notes in Computer Science</i> , 2014, , 223-230.	1.3	2
84	Response to editorials. Resting-state brain functional MRI to complete the puzzle. <i>Journal of Neurosurgery</i> , 2019, 131, 762-763.	1.6	2
85	P3-101: CROSS-SECTIONAL BIOMARKER CHARACTERIZATION OF MILD COGNITIVE IMPAIRMENT PATIENTS IN WP5 PHARMACOG/E-ADNI STUDY. , 2014, 10, P665-P665.		1
86	P3-115: Differential Effects of Apoe and CSF Amyloid on Memory Impairment in Individuals with Amnesic MCI Using the Cantab Cognitive Battery: Results from the European ADNI Study. <i>Alzheimer's and Dementia</i> , 2016, 12, P964.	0.8	1
87	IC-P-126: VOLUMETRIC ACCURACY OF A FULLY AUTOMATIC TOOL FOR WHITE MATTER HYPERINTENSITIES (WMHS) SEGMENTATION. <i>Alzheimer's and Dementia</i> , 2018, 14, P105.	0.8	1
88	Characterization of time-varying magnetic fields and temperature of helium gas exit during a quench of a human magnetic resonance system. <i>Biomedical Physics and Engineering Express</i> , 2019, 5, 045021.	1.2	1
89	IC-P-115: Longitudinal white matter alterations of MCI patients in WP5 PharmaCog/E-ADNI study: Preliminary data. , 2015, 11, P79-P79.		0
90	IC-04-05: Multisite hippocampal subfields reproducibility: A european 3T study. , 2015, 11, P12-P12.		0

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91	IC-P-137: Longitudinal reproducibility of default-mode network connectivity in healthy elderly participants: A multicentric resting-state fMRI study. , 2015, 11, P93-P93.		0
92	P2-007: Longitudinal reproducibility of default-mode network connectivity in healthy elderly participants: A multicentric resting-state fMRI study. , 2015, 11, P483-P483.		0
93	P3-182: Hippocampal subfield changes in mild cognitive impairment patients with Alzheimer's disease pathology. , 2015, 11, P700-P701.		0
94	P1-155: The path to regulatory qualification of low baseline hippocampal volume as a prognostic biomarker in clinical trials of patients with early Alzheimer's disease: For the coalition against major diseases. , 2015, 11, P404-P404.		0
95	ICâ€Pâ€122: Structural and Diffusion Tensor Imaging in MCI Subjects With Intermediate Risk of Alzheimerâ€™s Disease Based on CSF Profile. Alzheimer's and Dementia, 2016, 12, P90.	0.8	0
96	P2â€263: Association between Brain MRI Diffusion Alterations and CSF Biomarkers in Amnestic MCI. Alzheimer's and Dementia, 2016, 12, P728.	0.8	0
97	ICâ€Pâ€148: Association Between Volumes Alterations and CSF Biomarkers in Amnestic MCI. Alzheimer's and Dementia, 2016, 12, P110.	0.8	0
98	P4â€350: Biomarkers of Short Term Disease Progression in Mild Cognitive Impairment Patients with ad Pathology. Alzheimer's and Dementia, 2016, 12, P1171.	0.8	0
99	[P3â€214]: ADFLAG^{â€}, A DIAGNOSTIC BLOOD TEST FOR PREâ€DEMENTIA STAGES OF ALZHEIMER'S DISEASE. Alzheimer's and Dementia, 2017, 13, P1019.	0.8	0
100	[ICâ€Pâ€167]: ACROSSâ€SESSION REPRODUCIBILITY OF AUTOMATIC WHITE MATTER HYPERINTENSITIES SEGMENTATION: A EUROPEAN MULTIâ€SITE 3T STUDY. Alzheimer's and Dementia, 2017, 13, P126.	0.8	0
101	[P4â€526]: HARMONIZATION OF NEUROIMAGING BIOMARKERS FOR NEURODEGENERATIVE DISEASES: A SURVEY FOR BEST PRACTICE GUIDELINES. Alzheimer's and Dementia, 2017, 13, P1549.	0.8	0
102	P3â€368: PREDICTING AND MONITORING SHORTâ€TERM DISEASE PROGRESSION IN Aâ€MCI PATIENTS WITH PRODROMAL AD USING MRI STRUCTURAL BRAIN BIOMARKERS. Alzheimer's and Dementia, 2018, 14, P1230.	0.8	0
103	O1â€13â€01: ROLE OF THE INFLAMMASOME COMPLEX IN ADâ€RELATED HIPPOCAMPAL NEURODEGENERATION IN MCI PATIENTS WITH AD PATHOLOGY. Alzheimer's and Dementia, 2018, 14, P251.	0.8	0
104	P4â€077: BLOOD INFLAMMATORY PROFILES MEASURED BY THE ADFLAG^{â€} TEST ENABLE STRATIFICATION OF PREâ€DEMENTIA ALZHEIMER'S DISEASE. Alzheimer's and Dementia, 2018, 14, P1464.	0.8	0
105	T238. Antipsychotic Treatment and the Basal Ganglia: A Structural MRI Study. Biological Psychiatry, 2018, 83, S221.	1.3	0
106	Brain imaging working group summaries for the European Joint Programme for Neurodegenerative Disease Research. Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring, 2019, 11, 67-68.	2.4	0
107	Cognitive function, mental decline, and ruralâ€living effects on brain structure in an elderly Indian population. Alzheimer's and Dementia, 2020, 16, e038427.	0.8	0
108	Investigating neural correlates of mild cognitive impairment using estimated clinical status from neuropsychological test battery: LASIâ€DAD. Alzheimer's and Dementia, 2020, 16, e038440.	0.8	0

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109	Amygdalar nuclei and hippocampal subfields on MRI: Test-retest reliability of automated segmentation in old and young healthy volunteers. <i>Alzheimer's and Dementia</i> , 2020, 16, e040322.	0.8	0
110	In vivo imaging of locus coeruleus integrity at ultra-high field: A feasibility study. <i>Alzheimer's and Dementia</i> , 2020, 16, e040835.	0.8	0
111	Longitudinal Changes in Brain Diffusion MRI Indices during and after Proton Beam Therapy in a Child with Pilocytic Astrocytoma: A Case Report. <i>Diagnostics</i> , 2022, 12, 26.	2.6	0