

Jorge Jovicich

List of Publications by Year in descending order

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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	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
2	BDNF Val66Met gene polymorphism modulates brain activity following rTMS-induced memory impairment. <i>Scientific Reports</i> , 2022, 12, 176.	3.3	5
3	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
4	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
5	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
6	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
7	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
8	Direct Structural Connections between Auditory and Visual Motion-Selective Regions in Humans. <i>Journal of Neuroscience</i> , 2021, 41, 2393-2405.	3.6	19
9	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
10	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
11	Methodological considerations in designing and implementing the harmonized diagnostic assessment of dementia for longitudinal aging study in India (LASI-DAD). <i>Biodemography and Social Biology</i> , 2020, 65, 189-213.	1.0	13
12	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
13	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
14	Cognitive function, mental decline, and rural living effects on brain structure in an elderly Indian population. <i>Alzheimer's and Dementia</i> , 2020, 16, e038427.	0.8	0
15	Investigating neural correlates of mild cognitive impairment using estimated clinical status from neuropsychological test battery: LASI-DAD. <i>Alzheimer's and Dementia</i> , 2020, 16, e038440.	0.8	0
16	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
17	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
18	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

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19	Trait and state anxiety are mapped differently in the human brain. <i>Scientific Reports</i> , 2020, 10, 11112.	3.3	106
20	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
21	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
22	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
23	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
24	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
25	Differential intrinsic functional connectivity changes in semantic variant primary progressive aphasia. <i>NeuroImage: Clinical</i> , 2019, 22, 101797.	2.7	40
26	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
27	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
28	Diffusion-based tractography atlas of the human acoustic radiation. <i>Scientific Reports</i> , 2019, 9, 4046.	3.3	57
29	Biomarker Matrix to Track Short Term Disease Progression in Amnesic Mild Cognitive Impairment Patients with Prodromal Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2019, 69, 49-58.	2.6	8
30	Brain imaging working group summaries for the European Joint Programme for Neurodegenerative Disease Research. <i>Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring</i> , 2019, 11, 67-68.	2.4	0
31	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
32	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
33	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
34	Response to editorials. Resting-state brain functional MRI to complete the puzzle. <i>Journal of Neurosurgery</i> , 2019, 131, 762-763.	1.6	2
35	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
36	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

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37	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
38	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
39	P3-368: PREDICTING AND MONITORING SHORT-TERM DISEASE PROGRESSION IN MCI PATIENTS WITH PRODRONTAL AD USING MRI STRUCTURAL BRAIN BIOMARKERS. <i>Alzheimer's and Dementia</i> , 2018, 14, P1230.	0.8	0
40	O1-13-01: ROLE OF THE INFLAMMASOME COMPLEX IN AD-RELATED HIPPOCAMPAL NEURODEGENERATION IN MCI PATIENTS WITH AD PATHOLOGY. <i>Alzheimer's and Dementia</i> , 2018, 14, P251.	0.8	0
41	ICP-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
42	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
43	P4-077: BLOOD INFLAMMATORY PROFILES MEASURED BY THE ADFLAG [®] TEST ENABLE STRATIFICATION OF PRE-DEMENTIA ALZHEIMER'S DISEASE. <i>Alzheimer's and Dementia</i> , 2018, 14, P1464.	0.8	0
44	T238. Antipsychotic Treatment and the Basal Ganglia: A Structural MRI Study. <i>Biological Psychiatry</i> , 2018, 83, S221.	1.3	0
45	Theranostic gold-magnetite hybrid nanoparticles for MRI-guided radiosensitization. <i>Nanotechnology</i> , 2018, 29, 315101.	2.6	16
46	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
47	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
48	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
49	Test-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
50	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
51	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
52	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
53	[P3-214]: ADFLAG [®] , A DIAGNOSTIC BLOOD TEST FOR PRE-DEMENTIA STAGES OF ALZHEIMER'S DISEASE. <i>Alzheimer's and Dementia</i> , 2017, 13, P1019.	0.8	0
54	[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

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55	[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
56	[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
57	Self-similarity and quasi-idempotence in neural networks and related dynamical systems. Chaos, 2017, 27, 043115.	2.5	6
58	Structural connectivity of the human anterior temporal lobe: A diffusion magnetic resonance imaging study. Human Brain Mapping, 2016, 37, 2210-2222.	3.6	47
59	Clinical and biomarker profiling of prodromal Alzheimer's disease in workpackage 5 of the Innovative Medicines Initiative PharmaCog project: a â€European <scp>ADNI</scp> studyâ€™. Journal of Internal Medicine, 2016, 279, 576-591.	6.0	64
60	P2-302: CSF Beta-Amyloid- and APOE Æ4-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
61	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
62	P2â€263: Association between Brain MRI Diffusion Alterations and CSF Biomarkers in Amnesic MCI. Alzheimer's and Dementia, 2016, 12, P728.	0.8	0
63	ICâ€Pâ€148: Association Between Volumes Alterations and CSF Biomarkers in Amnesic MCI. Alzheimer's and Dementia, 2016, 12, P110.	0.8	0
64	P3â€315: Differential Effects of Apoe and CSF Amyloid on Memory Impairment in Individuals with Amnesic MCI Using the Cantab Cognitive Battery: Results from the Europeanâ€Adni Study. Alzheimer's and Dementia, 2016, 12, P964.	0.8	1
65	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
66	Length matters: Improved high field EEGâ€fMRI recordings using shorter EEG cables. Journal of Neuroscience Methods, 2016, 269, 74-87.	2.5	12
67	Retrospective head motion correction approaches for diffusion tensor imaging: Effects of preprocessing choices on biases and reproducibility of scalar diffusion metrics. Journal of Magnetic Resonance Imaging, 2016, 43, 99-106.	3.4	13
68	Progression to deep sleep is characterized by changes to BOLD dynamics in sensory cortices. NeuroImage, 2016, 130, 293-305.	4.2	18
69	ICâ€Pâ€039: Impairment of Restingâ€State Functional Connectivity in The Defaultâ€Mode Network Closely Tracks CSF Biomarkers In MCI. Alzheimer's and Dementia, 2016, 12, P34.	0.8	2
70	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. Human Brain Mapping, 2016, 37, 2114-2132.	3.6	38
71	Brains of verbal memory specialists show anatomical differences in language, memory and visual systems. NeuroImage, 2016, 131, 181-192.	4.2	30
72	Longitudinal reproducibility of default-mode network connectivity in healthy elderly participants: A multicentric resting-state fMRI study. NeuroImage, 2016, 124, 442-454.	4.2	85

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73	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
74	IC-P-115: Longitudinal white matter alterations of MCI patients in WP5 PharmaCog/E-ADNI study: Preliminary data. , 2015, 11, P79-P79.		0
75	IC-04-05: Multisite hippocampal subfields reproducibility: A european 3T study. , 2015, 11, P12-P12.		0
76	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
77	P2-007: Longitudinal reproducibility of default-mode network connectivity in healthy elderly participants: A multicentric resting-state fMRI study. , 2015, 11, P483-P483.		0
78	P3-182: Hippocampal subfield changes in mild cognitive impairment patients with Alzheimer's disease pathology. , 2015, 11, P700-P701.		0
79	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
80	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
81	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
82	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
83	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
84	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
85	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
86	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
87	P3-101: CROSS-SECTIONAL BIOMARKER CHARACTERIZATION OF MILD COGNITIVE IMPAIRMENT PATIENTS IN WP5 PHARMACOG/E-ADNI STUDY. , 2014, 10, P665-P665.		1
88	Improved Reproducibility of Neuroanatomical Definitions through Diffeomorphometry and Complexity Reduction. <i>Lecture Notes in Computer Science</i> , 2014, , 223-230.	1.3	2
89	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
90	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

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91	Anterior temporal lobe degeneration produces widespread network-driven dysfunction. <i>Brain</i> , 2013, 136, 2979-2991.	7.6	184
92	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
93	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
94	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
95	Distinct Neural Substrates for Semantic Knowledge and Naming in the Temporoparietal Network. <i>Cerebral Cortex</i> , 2012, 22, 2217-2226.	2.9	45
96	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
97	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
98	<i>B₀</i> mapping with multi-channel RF coils at high field. <i>Magnetic Resonance in Medicine</i> , 2011, 66, 976-988.	3.0	44
99	A Neuronal Basis for Task-Negative Responses in the Human Brain. <i>Cerebral Cortex</i> , 2011, 21, 821-830.	2.9	71
100	Mechanisms of Rule Acquisition and Rule Following in Inductive Reasoning. <i>Journal of Neuroscience</i> , 2011, 31, 7763-7774.	3.6	66
101	A resting state network in the motor control circuit of the basal ganglia. <i>BMC Neuroscience</i> , 2009, 10, 137.	1.9	134
102	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
103	Automatic classification of brain resting states using fMRI temporal signals. <i>Electronics Letters</i> , 2009, 45, 19.	1.0	10
104	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
105	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
106	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
107	Persistent Brain Abnormalities in Antiretroviral-Naive HIV Patients 3 Months after Haart. <i>Antiviral Therapy</i> , 2003, 8, 17-26.	1.0	77
108	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

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109	Brain Areas Specific for Attentional Load in a Motion-Tracking Task. Journal of Cognitive Neuroscience, 2001, 13, 1048-1058.	2.3	183
110	Functional MRI of the human brain with GRASE-based BOLD contrast. Magnetic Resonance in Medicine, 1999, 41, 871-876.	3.0	15
111	GRASE imaging at 3 Tesla with template interactive phaseâ€œencoding. Magnetic Resonance in Medicine, 1998, 39, 970-979.	3.0	12