

João Ricardo Sato

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5986308/publications.pdf>

Version: 2024-02-01

119
papers

3,146
citations

201385

27
h-index

197535

49
g-index

130
all docs

130
docs citations

130
times ranked

5181
citing authors

#	ARTICLE	IF	CITATIONS
1	Differences in brain activity between fast and slow responses on psychomotor vigilance task: an fNIRS study. <i>Brain Imaging and Behavior</i> , 2022, 16, 1563-1574.	1.1	2
2	Efficacy and safety of HD-tDCS and respiratory rehabilitation for critically ill patients with COVID-19 The HD-RECOVERY randomized clinical trial. <i>Brain Stimulation</i> , 2022, 15, 780-788.	0.7	8
3	Probing the genetic and molecular correlates of connectome alterations in obsessive-compulsive disorder. <i>Molecular Psychiatry</i> , 2022, 27, 3558-3559.	4.1	2
4	Associations between Family Functioning and Maternal Behavior on Default Mode Network Connectivity in School-Age Children. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 6055.	1.2	1
5	Is treatment-resistant schizophrenia associated with distinct neurobiological callosal connectivity abnormalities?. <i>CNS Spectrums</i> , 2021, 26, 545-549.	0.7	4
6	Frontal Hemodynamic Response During Step Initiation Under Cognitive Conflict in Older and Young Healthy People. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2021, 76, 216-223.	1.7	6
7	Papez Circuit Gray Matter and Episodic Memory in Amyotrophic Lateral Sclerosis and Behavioural Variant Frontotemporal Dementia. <i>Brain Imaging and Behavior</i> , 2021, 15, 996-1006.	1.1	10
8	Inferring the heritability of large-scale functional networks with a multivariate ACE modeling approach. <i>Network Neuroscience</i> , 2021, 5, 527-548.	1.4	0
9	Predicting Student Performance Using Machine Learning in fNIRS Data. <i>Frontiers in Human Neuroscience</i> , 2021, 15, 622224.	1.0	18
10	Assessing the educational performance of different Brazilian school cycles using data science methods. <i>PLoS ONE</i> , 2021, 16, e0248525.	1.1	4
11	Estimating Gender and Age from Brain Structural MRI of Children and Adolescents: A 3D Convolutional Neural Network Multitask Learning Model. <i>Computational Intelligence and Neuroscience</i> , 2021, 2021, 1-12.	1.1	5
12	Communication Intervention Using Digital Technology to Facilitate Informed Choices at Childbirth in the Context of the COVID-19 Pandemic: Protocol for a Randomized Controlled Trial. <i>JMIR Research Protocols</i> , 2021, 10, e25016.	0.5	2
13	A New Statistical Approach for fNIRS Hyperscanning to Predict Brain Activity of Preschoolers™ Using Teacher™s. <i>Frontiers in Human Neuroscience</i> , 2021, 15, 622146.	1.0	16
14	Influência das cores no contexto educacional de Ciências e Matemática: uma revisão de literatura sobre a utilização de eye-tracking. <i>Amazônia</i> , 2021, 17, 244.	0.0	0
15	Students' Perspective and Teachers' Metacognition: Applications of Eye-Tracking in Education and Scientific Research in Schools. <i>Frontiers in Psychology</i> , 2021, 12, 673615.	1.1	3
16	Global efficiency of the motor network is decreased in Parkinson's disease in comparison with essential tremor and healthy controls. <i>Brain and Behavior</i> , 2021, 11, e02178.	1.0	7
17	Granger Causality among Graphs and Application to Functional Brain Connectivity in Autism Spectrum Disorder. <i>Entropy</i> , 2021, 23, 1204.	1.1	4
18	A guide for the use of fNIRS in microcephaly associated to congenital Zika virus infection. <i>Scientific Reports</i> , 2021, 11, 19270.	1.6	3

#	ARTICLE	IF	CITATIONS
19	Long-term stability of the cortical volumetric profile and the functional human connectome throughout childhood and adolescence. <i>European Journal of Neuroscience</i> , 2021, 54, 6187-6201.	1.2	10
20	Quantitative assessment of pilot-endured workloads during helicopter flying emergencies: an analysis of physiological parameters during an autorotation. <i>Scientific Reports</i> , 2021, 11, 17734.	1.6	5
21	Methylphenidate Alters Functional Connectivity of Default Mode Network in Drug-Naive Male Adults With ADHD. <i>Journal of Attention Disorders</i> , 2020, 24, 447-455.	1.5	20
22	Socioeconomic status in children is associated with spontaneous activity in right superior temporal gyrus. <i>Brain Imaging and Behavior</i> , 2020, 14, 961-970.	1.1	7
23	Network analysis of neuropsychiatry disorders. , 2020, , 397-408.		1
24	Potential Confounders in the Analysis of Brazilian Adolescent's Health: A Combination of Machine Learning and Graph Theory. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 90.	1.2	3
25	Neuroimaging Association Scores: reliability and validity of aggregate measures of brain structural features linked to mental disorders in youth. <i>European Child and Adolescent Psychiatry</i> , 2020, 30, 1895-1906.	2.8	4
26	Combining the intersubject correlation analysis and the multivariate distance matrix regression to evaluate associations between fNIRS signals and behavioral data from ecological experiments. <i>Experimental Brain Research</i> , 2020, 238, 2399-2408.	0.7	9
27	Sensorimotor white matter projections and disease severity in primary Restless Legs Syndrome/Willis-Ekbom disease: a multimodal DTI analysis. <i>Sleep Medicine</i> , 2020, 73, 106-116.	0.8	10
28	GeoSES: A socioeconomic index for health and social research in Brazil. <i>PLoS ONE</i> , 2020, 15, e0232074.	1.1	31
29	Prevalence and trends of mental disorders requiring inpatient care in the city of Porto Alegre: a citywide study including all inpatient admissions due to mental disorders in the public system from 2013-2017. <i>Trends in Psychiatry and Psychotherapy</i> , 2020, 42, 86-91.	0.4	4
30	Task-related brain activity and functional connectivity in upper limb dystonia: a functional magnetic resonance imaging (fMRI) and functional near-infrared spectroscopy (fNIRS) study. <i>Neurophotonics</i> , 2020, 7, 045004.	1.7	7
31	GeoSES: A socioeconomic index for health and social research in Brazil. , 2020, 15, e0232074.		0
32	GeoSES: A socioeconomic index for health and social research in Brazil. , 2020, 15, e0232074.		0
33	GeoSES: A socioeconomic index for health and social research in Brazil. , 2020, 15, e0232074.		0
34	GeoSES: A socioeconomic index for health and social research in Brazil. , 2020, 15, e0232074.		0
35	Hand motor learning in a musical context and prefrontal cortex hemodynamic response: a functional near-infrared spectroscopy (fNIRS) study. <i>Cognitive Processing</i> , 2019, 20, 507-513.	0.7	7
36	Greater Anteroposterior Default Mode Network Functional Connectivity in Long-Term Elderly Yoga Practitioners. <i>Frontiers in Aging Neuroscience</i> , 2019, 11, 158.	1.7	23

#	ARTICLE	IF	CITATIONS
37	Genetic risk for Alzheimer's disease and functional brain connectivity in children and adolescents. <i>Neurobiology of Aging</i> , 2019, 82, 10-17.	1.5	23
38	Functional Spectroscopy Mapping of Pain Processing Cortical Areas During Non-painful Peripheral Electrical Stimulation of the Accessory Spinal Nerve. <i>Frontiers in Human Neuroscience</i> , 2019, 13, 200.	1.0	28
39	Beyond the target area: an integrative view of tDCS-induced motor cortex modulation in patients and athletes. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2019, 16, 141.	2.4	89
40	Association Between Fractional Amplitude of Low-Frequency Spontaneous Fluctuation and Degree Centrality in Children and Adolescents. <i>Brain Connectivity</i> , 2019, 9, 379-387.	0.8	6
41	Regional Dynamics of the Resting Brain in Amyotrophic Lateral Sclerosis Using Fractional Amplitude of Low-Frequency Fluctuations and Regional Homogeneity Analyses. <i>Brain Connectivity</i> , 2019, 9, 356-364.	0.8	17
42	Association between spontaneous activity of the default mode network hubs and leukocyte telomere length in late childhood and early adolescence. <i>Journal of Psychosomatic Research</i> , 2019, 127, 109864.	1.2	2
43	Quality of life is related to the functional connectivity of the default mode network at rest. <i>Brain Imaging and Behavior</i> , 2019, 13, 1418-1426.	1.1	7
44	Directed wavelet covariance. <i>Computational Statistics and Data Analysis</i> , 2019, 130, 61-79.	0.7	0
45	Commute Time as a Method to Explore Brain Functional Connectomes. <i>Brain Connectivity</i> , 2019, 9, 155-161.	0.8	0
46	Associations between children's family environment, spontaneous brain oscillations, and emotional and behavioral problems. <i>European Child and Adolescent Psychiatry</i> , 2019, 28, 835-845.	2.8	9
47	Identifying individuals using fNIRS-based cortical connectomes. <i>Biomedical Optics Express</i> , 2019, 10, 2889.	1.5	19
48	Complex Network Measures in Autism Spectrum Disorders. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2018, 15, 581-587.	1.9	20
49	Investigating brain structural patterns in first episode psychosis and schizophrenia using MRI and a machine learning approach. <i>Psychiatry Research - Neuroimaging</i> , 2018, 275, 14-20.	0.9	18
50	fNIRS Optodes' Location Decider (fOLD): a toolbox for probe arrangement guided by brain regions-of-interest. <i>Scientific Reports</i> , 2018, 8, 3341.	1.6	172
51	Morphometric MRI features and surgical outcome in patients with epilepsy related to hippocampal sclerosis and low intellectual quotient. <i>Epilepsy and Behavior</i> , 2018, 82, 144-149.	0.9	5
52	Structural and functional papez circuit integrity in amyotrophic lateral sclerosis. <i>Brain Imaging and Behavior</i> , 2018, 12, 1622-1630.	1.1	24
53	Effects of the brain-derived neurotrophic factor variant Val66Met on cortical structure in late childhood and early adolescence. <i>Journal of Psychiatric Research</i> , 2018, 98, 51-58.	1.5	11
54	Association between abnormal brain functional connectivity in children and psychopathology: A study based on graph theory and machine learning. <i>World Journal of Biological Psychiatry</i> , 2018, 19, 119-129.	1.3	13

#	ARTICLE	IF	CITATIONS
55	Cognitive performance in transient global hypoxic brain injury due to moderate drowning. <i>Journal of Clinical and Experimental Neuropsychology</i> , 2018, 40, 462-472.	0.8	2
56	Default Mode Network Maturation and Environmental Adversities During Childhood. <i>Chronic Stress</i> , 2018, 2, 247054701880829.	1.7	11
57	Effect of male-specific childhood trauma on telomere length. <i>Journal of Psychiatric Research</i> , 2018, 107, 104-109.	1.5	11
58	Effects of a 7-Day Meditation Retreat on the Brain Function of Meditators and Non-Meditators During an Attention Task. <i>Frontiers in Human Neuroscience</i> , 2018, 12, 222.	1.0	25
59	Abnormal Cortico-Cerebellar Functional Connectivity in Autism Spectrum Disorder. <i>Frontiers in Systems Neuroscience</i> , 2018, 12, 74.	1.2	37
60	Impact of communicative head movements on the quality of functional near-infrared spectroscopy signals: negligible effects for affirmative and negative gestures and consistent artifacts related to raising eyebrows. <i>Journal of Biomedical Optics</i> , 2017, 22, 046010.	1.4	17
61	Lexical-retrieval and semantic memory in Parkinson's disease: The question of noun and verb dissociation. <i>Brain and Language</i> , 2017, 165, 10-20.	0.8	49
62	Measuring cortical motor hemodynamics during assisted stepping – An fNIRS feasibility study of using a walker. <i>Gait and Posture</i> , 2017, 56, 112-118.	0.6	11
63	Gene expression in blood of children and adolescents: Mediation between childhood maltreatment and major depressive disorder. <i>Journal of Psychiatric Research</i> , 2017, 92, 24-30.	1.5	25
64	Morphometric MRI features are associated with surgical outcome in mesial temporal lobe epilepsy with hippocampal sclerosis. <i>Epilepsy Research</i> , 2017, 132, 78-83.	0.8	9
65	Correlation between graphs with an application to brain network analysis. <i>Computational Statistics and Data Analysis</i> , 2017, 109, 76-92.	0.7	11
66	Altered Functional Connectivity Between Precuneus and Motor Systems in Parkinson's Disease Patients. <i>Brain Connectivity</i> , 2017, 7, 643-647.	0.8	28
67	Non-neuronal evoked and spontaneous hemodynamic changes in the anterior temporal region of the human head may lead to misinterpretations of functional near-infrared spectroscopy signals. <i>Neurophotonics</i> , 2017, 5, 1.	1.7	48
68	Identification of segregated regions in the functional brain connectome of autistic patients by a combination of fuzzy spectral clustering and entropy analysis. <i>Journal of Psychiatry and Neuroscience</i> , 2016, 41, 124-132.	1.4	13
69	Connectome hubs at resting state in children and adolescents: Reproducibility and psychopathological correlation. <i>Developmental Cognitive Neuroscience</i> , 2016, 20, 2-11.	1.9	13
70	Default mode network maturation and psychopathology in children and adolescents. <i>Journal of Child Psychology and Psychiatry and Allied Disciplines</i> , 2016, 57, 55-64.	3.1	31
71	Time-varying analysis of CO2 emissions, energy consumption, and economic growth nexus: Statistical experience in next 11 countries. <i>Energy Policy</i> , 2016, 98, 33-48.	4.2	159
72	Children with Poor Reading Skills at the Word Level Show Reduced Fractional Anisotropy in White Matter Tracts of Both Hemispheres. <i>Brain Connectivity</i> , 2016, 6, 519-523.	0.8	6

#	ARTICLE	IF	CITATIONS
73	An integrative approach to investigate the respective roles of single-nucleotide variants and copy-number variants in Attention-Deficit/Hyperactivity Disorder. <i>Scientific Reports</i> , 2016, 6, 22851.	1.6	18
74	Age-effects in white matter using associated diffusion tensor imaging and magnetization transfer ratio during late childhood and early adolescence. <i>Magnetic Resonance Imaging</i> , 2016, 34, 529-534.	1.0	29
75	Relationship Between Surface-Based Brain Morphometric Measures and Intelligence in Autism Spectrum Disorders: Influence of History of Language Delay. <i>Autism Research</i> , 2015, 8, 556-566.	2.1	17
76	Temporal stability of network centrality in control and default mode networks: Specific associations with externalizing psychopathology in children and adolescents. <i>Human Brain Mapping</i> , 2015, 36, 4926-4937.	1.9	25
77	Acute Biphasic Effects of Ayahuasca. <i>PLoS ONE</i> , 2015, 10, e0137202.	1.1	82
78	On the relationships between CO ₂ emissions, energy consumption and income: The importance of time variation. <i>Energy Economics</i> , 2015, 49, 629-638.	5.6	264
79	High risk cohort study for psychiatric disorders in childhood: rationale, design, methods and preliminary results. <i>International Journal of Methods in Psychiatric Research</i> , 2015, 24, 58-73.	1.1	148
80	Long-term structural changes after mTBI and their relation to post-concussion symptoms. <i>Brain Injury</i> , 2015, 29, 1211-1218.	0.6	58
81	ACE I/D genotype-related increase in ACE plasma activity is a better predictor for schizophrenia diagnosis than the genotype alone. <i>Schizophrenia Research</i> , 2015, 164, 109-114.	1.1	19
82	Motor Readiness Increases Brain Connectivity Between Default-Mode Network and Motor Cortex: Impact on Sampling Resting Periods from fMRI Event-Related Studies. <i>Brain Connectivity</i> , 2015, 5, 631-640.	0.8	13
83	Is there an Environmental Kuznets Curve for South Africa? A co-summability approach using a century of data. <i>Energy Economics</i> , 2015, 52, 136-141.	5.6	42
84	Structural covariance in schizophrenia and first-episode psychosis: An approach based on graph analysis. <i>Journal of Psychiatric Research</i> , 2015, 71, 89-96.	1.5	28
85	Gene-Environment Interaction in Youth Depression: Replication of the 5-HTTLPR Moderation in a Diverse Setting. <i>American Journal of Psychiatry</i> , 2015, 172, 978-985.	4.0	22
86	Decreased centrality of cortical volume covariance networks in autism spectrum disorders. <i>Journal of Psychiatric Research</i> , 2015, 69, 142-149.	1.5	25
87	Decreased centrality of subcortical regions during the transition to adolescence: A functional connectivity study. <i>NeuroImage</i> , 2015, 104, 44-51.	2.1	43
88	Semantic memory for actions as assessed by the Kissing and Dancing Test: Education and age effects in cognitively healthy individuals. <i>Dementia E Neuropsychologia</i> , 2014, 8, 216-222.	0.3	4
89	Abnormal Functional Resting-State Networks in ADHD: Graph Theory and Pattern Recognition Analysis of fMRI Data. <i>BioMed Research International</i> , 2014, 2014, 1-10.	0.9	80
90	Age effects on the default mode and control networks in typically developing children. <i>Journal of Psychiatric Research</i> , 2014, 58, 89-95.	1.5	74

#	ARTICLE	IF	CITATIONS
91	Changes in gene expression and methylation in the blood of patients with first-episode psychosis. <i>Schizophrenia Research</i> , 2014, 159, 358-364.	1.1	35
92	Morphometric hemispheric asymmetry of orbitofrontal cortex in women with borderline personality disorder: A multi-parameter approach. <i>Psychiatry Research - Neuroimaging</i> , 2014, 223, 61-66.	0.9	22
93	Evaluation of neurotransmitter receptor gene expression identifies GABA receptor changes: A follow-up study in antipsychotic-naïve patients with first-episode psychosis. <i>Journal of Psychiatric Research</i> , 2014, 56, 130-136.	1.5	13
94	Defining Multivariate Normative Rules for Healthy Aging using Neuroimaging and Machine Learning: An Application to Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2014, 43, 201-212.	1.2	12
95	Inter-regional cortical thickness correlations are associated with autistic symptoms: A machine-learning approach. <i>Journal of Psychiatric Research</i> , 2013, 47, 453-459.	1.5	57
96	Personality traits in juvenile myoclonic epilepsy: Evidence of cortical abnormalities from a surface morphometry study. <i>Epilepsy and Behavior</i> , 2013, 27, 385-392.	0.9	21
97	Measuring network's entropy in ADHD: A new approach to investigate neuropsychiatric disorders. <i>NeuroImage</i> , 2013, 77, 44-51.	2.1	48
98	Is there an association between cortical thickness, age of onset, and duration of illness in schizophrenia?. <i>CNS Spectrums</i> , 2013, 18, 315-321.	0.7	17
99	Abnormal Brain Connectivity Patterns in Adults with ADHD: A Coherence Study. <i>PLoS ONE</i> , 2012, 7, e45671.	1.1	74
100	Can neuroimaging be used as a support to diagnosis of borderline personality disorder? An approach based on computational neuroanatomy and machine learning. <i>Journal of Psychiatric Research</i> , 2012, 46, 1126-1132.	1.5	27
101	Functional clustering of time series gene expression data by Granger causality. <i>BMC Systems Biology</i> , 2012, 6, 137.	3.0	19
102	Measuring Abnormal Brains: Building Normative Rules in Neuroimaging Using One-Class Support Vector Machines. <i>Frontiers in Neuroscience</i> , 2012, 6, 178.	1.4	17
103	Evaluation of Pattern Recognition and Feature Extraction Methods in ADHD Prediction. <i>Frontiers in Systems Neuroscience</i> , 2012, 6, 68.	1.2	64
104	Discriminating Different Classes of Biological Networks by Analyzing the Graphs Spectra Distribution. <i>PLoS ONE</i> , 2012, 7, e49949.	1.1	47
105	A Multi-Linear Statistical Method for Discriminant Analysis of 2D Frontal Face Images. <i>Advances in Computational Intelligence and Robotics Book Series</i> , 2012, , 18-33.	0.4	2
106	Inferring Contagion in Regulatory Networks. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2011, 8, 570-576.	1.9	1
107	Maximum-uncertainty linear discrimination analysis of first-episode schizophrenia subjects. <i>Psychiatry Research - Neuroimaging</i> , 2011, 191, 174-181.	0.9	39
108	IDENTIFICATION OF GRANGER CAUSALITY BETWEEN GENE SETS. <i>Journal of Bioinformatics and Computational Biology</i> , 2010, 08, 679-701.	0.3	13

#	ARTICLE	IF	CITATIONS
109	Use of SVM Methods with Surface-Based Cortical and Volumetric Subcortical Measurements to Detect Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2010, 19, 1263-1272.	1.2	82
110	Granger Causality in Systems Biology: Modeling Gene Networks in Time Series Microarray Data Using Vector Autoregressive Models. <i>Lecture Notes in Computer Science</i> , 2010, , 13-24.	1.0	12
111	COMPARING PEARSON, SPEARMAN AND Hoeffding's D MEASURE FOR GENE EXPRESSION ASSOCIATION ANALYSIS. <i>Journal of Bioinformatics and Computational Biology</i> , 2009, 07, 663-684.	0.3	46
112	An fMRI normative database for connectivity networks using one-class support vector machines. <i>Human Brain Mapping</i> , 2009, 30, 1068-1076.	1.9	17
113	A Multi-linear Discriminant Analysis of 2D Frontal Face Images. , 2009, , .		4
114	Evaluating SVM and MLDA in the extraction of discriminant regions for mental state prediction. <i>NeuroImage</i> , 2009, 46, 105-114.	2.1	45
115	The impact of functional connectivity changes on support vector machines mapping of fMRI data. <i>Journal of Neuroscience Methods</i> , 2008, 172, 94-104.	1.3	9
116	Hyperplane navigation: A method to set individual scores in fMRI group datasets. <i>NeuroImage</i> , 2008, 42, 1473-1480.	2.1	28
117	MODELING NONLINEAR GENE REGULATORY NETWORKS FROM TIME SERIES GENE EXPRESSION DATA. <i>Journal of Bioinformatics and Computational Biology</i> , 2008, 06, 961-979.	0.3	20
118	DWT-CEM: an algorithm for scale-temporal clustering in fMRI. <i>Biological Cybernetics</i> , 2007, 97, 33-45.	0.6	16
119	A method to produce evolving functional connectivity maps during the course of an fMRI experiment using wavelet-based time-varying Granger causality. <i>NeuroImage</i> , 2006, 31, 187-196.	2.1	132