

Felix Carbonell

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

1,658
citations

567281

15
h-index

677142

22
g-index

24
all docs

24
docs citations

24
times ranked

3118
citing authors

#	ARTICLE	IF	CITATIONS
1	Age- and Gender-Related Differences in the Cortical Anatomical Network. <i>Journal of Neuroscience</i> , 2009, 29, 15684-15693.	3.6	595
2	Model driven EEG/fMRI fusion of brain oscillations. <i>Human Brain Mapping</i> , 2009, 30, 2701-2721.	3.6	210
3	Developmental Changes in Organization of Structural Brain Networks. <i>Cerebral Cortex</i> , 2013, 23, 2072-2085.	2.9	203
4	Realistically Coupled Neural Mass Models Can Generate EEG Rhythms. <i>Neural Computation</i> , 2007, 19, 478-512.	2.2	145
5	Global and System-Specific Resting-State fMRI Fluctuations Are Uncorrelated: Principal Component Analysis Reveals Anti-Correlated Networks. <i>Brain Connectivity</i> , 2011, 1, 496-510.	1.7	108
6	Biomarkers, designs, and interpretations of resting-state fMRI in translational pharmacological research: A review of state-of-the-art, challenges, and opportunities for studying brain chemistry. <i>Human Brain Mapping</i> , 2017, 38, 2276-2325.	3.6	57
7	Dopamine precursor depletion impairs structure and efficiency of resting state brain functional networks. <i>Neuropharmacology</i> , 2014, 84, 90-100.	4.1	48
8	Mathematical Modeling of Protein Misfolding Mechanisms in Neurological Diseases: A Historical Overview. <i>Frontiers in Neurology</i> , 2018, 9, 37.	2.4	43
9	Posterior dopamine D2/3 receptors and brain network functional connectivity. <i>Synapse</i> , 2017, 71, e21993.	1.2	28
10	ANATOMICALLY-CONSTRAINED EFFECTIVE CONNECTIVITY AMONG LAYERS IN A CORTICAL COLUMN MODELED AND ESTIMATED FROM LOCAL FIELD POTENTIALS. <i>Journal of Integrative Neuroscience</i> , 2010, 09, 355-379.	1.7	25
11	Identification and comparison of stochastic metabolic/hemodynamic models (sMHM) for the generation of the BOLD signal. <i>Journal of Computational Neuroscience</i> , 2009, 26, 251-269.	1.0	24
12	β -Amyloid is Associated with Aberrant Metabolic Connectivity in Subjects with Mild Cognitive Impairment. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2014, 34, 1169-1179.	4.3	22
13	Spatially Distributed Amyloid- β Reduces Glucose Metabolism in Mild Cognitive Impairment. <i>Journal of Alzheimer's Disease</i> , 2020, 73, 543-557.	2.6	22
14	Modulation of glucose metabolism and metabolic connectivity by β -amyloid. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2016, 36, 2058-2071.	4.3	20
15	Hierarchical Multivariate Covariance Analysis of Metabolic Connectivity. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2014, 34, 1936-1943.	4.3	19
16	Partial Correlation-Based Retinotopically Organized Resting-State Functional Connectivity Within and Between Areas of the Visual Cortex Reflects More Than Cortical Distance. <i>Brain Connectivity</i> , 2016, 6, 57-75.	1.7	19
17	Optimal Target Region for Subject Classification on the Basis of Amyloid PET Images. <i>Journal of Nuclear Medicine</i> , 2015, 56, 1351-1358.	5.0	17
18	Integrating molecular, histopathological, neuroimaging and clinical neuroscience data with NeuroPM-box. <i>Communications Biology</i> , 2021, 4, 614.	4.4	16

#	ARTICLE	IF	CITATIONS
19	Integrated transcriptomic and neuroimaging brain model decodes biological mechanisms in aging and Alzheimer's disease. <i>ELife</i> , 2021, 10, .	6.0	16
20	Random fields' Union intersection tests for detecting functional connectivity in EEG/MEG imaging. <i>Human Brain Mapping</i> , 2009, 30, 2477-2486.	3.6	9
21	Rate of convergence of Local Linearization schemes for random differential equations. <i>BIT Numerical Mathematics</i> , 2009, 49, 357-373.	2.0	6
22	Multivariate genomic and transcriptomic determinants of imaging-derived personalized therapeutic needs in Parkinson's disease. <i>Scientific Reports</i> , 2022, 12, 5483.	3.3	3