Felix Carbonell

List of Publications by Year
in descending order

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	Multivariate genomic and transcriptomic determinants of imaging-derived personalized therapeutic needs in Parkinsonâ€™s disease. Scientific Reports, 2022, 12, 5483.	3.3	3
2	Integrating molecular, histopathological, neuroimaging and clinical neuroscience data with NeuroPM-box. Communications Biology, 2021, 4, 614.	4.4	16
3	Integrated transcriptomic and neuroimaging brain model decodes biological mechanisms in aging and Alzheimerâ€™s disease. ELife, 2021, 10, .	6.0	16
4	Spatially Distributed Amyloid-Î² Reduces Glucose Metabolism in Mild Cognitive Impairment. Journal of Alzheimer's Disease, 2020, 73, 543-557.	2.6	22
5	Mathematical Modeling of Protein Misfolding Mechanisms in Neurological Diseases: A Historical Overview. Frontiers in Neurology, 2018, 9, 37.	2.4	43
6	Biomarkers, designs, and interpretations of restingâ€state fMRI in translational pharmacological research: A review of stateâ€ofâ€theâ€Art, challenges, and opportunities for studying brain chemistry. Human Brain Mapping, 2017, 38, 2276-2325.	3.6	57
7	<scp>P</scp>osterior dopamine D2/3 receptors and brain network functional connectivity. Synapse, 2017, 71, e21993.	1.2	28
8	Modulation of glucose metabolism and metabolic connectivity by Î²-amyloid. Journal of Cerebral Blood Flow and Metabolism, 2016, 36, 2058-2071.	4.3	20
9	Partial Correlation-Based Retinotopically Organized Resting-State Functional Connectivity Within and Between Areas of the Visual Cortex Reflects More Than Cortical Distance. Brain Connectivity, 2016, 6, 57-75.	1.7	19
10	Optimal Target Region for Subject Classification on the Basis of Amyloid PET Images. Journal of Nuclear Medicine, 2015, 56, 1351-1358.	5.0	17
11	Î²-Amyloid is Associated with Aberrant Metabolic Connectivity in Subjects with Mild Cognitive Impairment. Journal of Cerebral Blood Flow and Metabolism, 2014, 34, 1169-1179.	4.3	22
12	Hierarchical Multivariate Covariance Analysis of Metabolic Connectivity. Journal of Cerebral Blood Flow and Metabolism, 2014, 34, 1936-1943.	4.3	19
13	Dopamine precursor depletion impairs structure and efficiency of resting state brain functional networks. Neuropharmacology, 2014, 84, 90-100.	4.1	48
14	Developmental Changes in Organization of Structural Brain Networks. Cerebral Cortex, 2013, 23, 2072-2085.	2.9	203
15	Global and System-Specific Resting-State fMRI Fluctuations Are Uncorrelated: Principal Component Analysis Reveals Anti-Correlated Networks. Brain Connectivity, 2011, 1, 496-510.	1.7	108
16	ANATOMICALLY-CONSTRAINED EFFECTIVE CONNECTIVITY AMONG LAYERS IN A CORTICAL COLUMN MODELED AND ESTIMATED FROM LOCAL FIELD POTENTIALS. Journal of Integrative Neuroscience, 2010, 09, 355-379.	1.7	25
17	Age- and Gender-Related Differences in the Cortical Anatomical Network. Journal of Neuroscience, 2009, 29, 15684-15693.	3.6	595
18	Random fieldsâ€"Union intersection tests for detecting functional connectivity in EEG/MEG imaging. Human Brain Mapping, 2009, 30, 2477-2486.	3.6	9

#	Article	IF	Citations
19	Model driven EEG/fMRI fusion of brain oscillations. Human Brain Mapping, 2009, 30, 2701-2721.	3.6	210
20	Identification and comparison of stochastic metabolic/hemodynamic models (sMHM) for the generation of the BOLD signal. Journal of Computational Neuroscience, 2009, 26, 251-269.	1.0	24
21	Rate of convergence of Local Linearization schemes forÂrandom differential equations. BIT Numerical Mathematics, 2009, 49, 357-373.	2.0	6
22	Realistically Coupled Neural Mass Models Can Generate EEG Rhythms. Neural Computation, 2007, 19, 478-512.	2.2	145