

Raymond Salvador

List of Publications by Year in descending order

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84
papers

8,763
citations

126708

33
h-index

66788

78
g-index

87
all docs

87
docs citations

87
times ranked

11375
citing authors

#	ARTICLE	IF	CITATIONS
1	A Resilient, Low-Frequency, Small-World Human Brain Functional Network with Highly Connected Association Cortical Hubs. <i>Journal of Neuroscience</i> , 2006, 26, 63-72.	1.7	2,211
2	Neurophysiological Architecture of Functional Magnetic Resonance Images of Human Brain. <i>Cerebral Cortex</i> , 2005, 15, 1332-1342.	1.6	1,202
3	Cortical Brain Abnormalities in 4474 Individuals With Schizophrenia and 5098 Control Subjects via the Enhancing Neuro Imaging Genetics Through Meta Analysis (ENIGMA) Consortium. <i>Biological Psychiatry</i> , 2018, 84, 644-654.	0.7	627
4	Cognitive-behavioural therapy for the symptoms of schizophrenia: systematic review and meta-analysis with examination of potential bias. <i>British Journal of Psychiatry</i> , 2014, 204, 20-29.	1.7	417
5	Undirected graphs of frequency-dependent functional connectivity in whole brain networks. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2005, 360, 937-946.	1.8	407
6	Mapping cortical brain asymmetry in 17,141 healthy individuals worldwide via the ENIGMA Consortium. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E5154-E5163.	3.3	299
7	Failure to deactivate in the prefrontal cortex in schizophrenia: dysfunction of the default mode network?. <i>Psychological Medicine</i> , 2008, 38, 1185-1193.	2.7	287
8	A simple view of the brain through a frequency-specific functional connectivity measure. <i>NeuroImage</i> , 2008, 39, 279-289.	2.1	208
9	Functional disconnectivity of the medial temporal lobe in Asperger's syndrome. <i>Biological Psychiatry</i> , 2005, 57, 991-998.	0.7	191
10	Physiological thresholds for irreversible tissue damage in contusional regions following traumatic brain injury. <i>Brain</i> , 2005, 128, 1931-1942.	3.7	168
11	Medial prefrontal cortex pathology in schizophrenia as revealed by convergent findings from multimodal imaging. <i>Molecular Psychiatry</i> , 2010, 15, 823-830.	4.1	160
12	Direct comparison of cerebrovascular effects of norepinephrine and dopamine in head-injured patients. <i>Critical Care Medicine</i> , 2004, 32, 1049-1054.	0.4	154
13	Formal characterization and extension of the linearized diffusion tensor model. <i>Human Brain Mapping</i> , 2005, 24, 144-155.	1.9	148
14	Increased power by harmonizing structural MRI site differences with the ComBat batch adjustment method in ENIGMA. <i>NeuroImage</i> , 2020, 218, 116956.	2.1	135
15	Overall brain connectivity maps show cortico-subcortical abnormalities in schizophrenia. <i>Human Brain Mapping</i> , 2010, 31, 2003-2014.	1.9	122
16	Validation of the Word Accentuation Test (TAP) as a means of estimating premorbid IQ in Spanish speakers. <i>Schizophrenia Research</i> , 2011, 128, 175-176.	1.1	120
17	Wavelets and statistical analysis of functional magnetic resonance images of the human brain. <i>Statistical Methods in Medical Research</i> , 2003, 12, 375-399.	0.7	119
18	Age and cholinergic effects on hemodynamics and functional coherence of human hippocampus. <i>Neurobiology of Aging</i> , 2006, 27, 1395-1404.	1.5	104

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19	Validity of modulation and optimal settings for advanced voxel-based morphometry. <i>NeuroImage</i> , 2014, 86, 81-90.	2.1	96
20	Frequency based mutual information measures between clusters of brain regions in functional magnetic resonance imaging. <i>NeuroImage</i> , 2007, 35, 83-88.	2.1	82
21	Evaluation of machine learning algorithms and structural features for optimal MRI-based diagnostic prediction in psychosis. <i>PLoS ONE</i> , 2017, 12, e0175683.	1.1	79
22	Bipolar depressed patients show both failure to activate and failure to de-activate during performance of a working memory task. <i>Journal of Affective Disorders</i> , 2013, 148, 170-178.	2.0	77
23	Responses of Posttraumatic Pericontusional Cerebral Blood Flow and Blood Volume to an Increase in Cerebral Perfusion Pressure. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2003, 23, 1371-1377.	2.4	71
24	What we learn about bipolar disorder from large-scale neuroimaging: Findings and future directions from the <sc>ENIGMA</sc> Bipolar Disorder Working Group. <i>Human Brain Mapping</i> , 2022, 43, 56-82.	1.9	67
25	Structural Abnormalities in Bipolar Euthymia: A Multicontrast Molecular Diffusion Imaging Study. <i>Biological Psychiatry</i> , 2014, 76, 239-248.	0.7	61
26	Brain functional changes across the different phases of bipolar disorder. <i>British Journal of Psychiatry</i> , 2015, 206, 136-144.	1.7	59
27	Converging Medial Frontal Resting State and Diffusion-Based Abnormalities in Borderline Personality Disorder. <i>Biological Psychiatry</i> , 2016, 79, 107-116.	0.7	57
28	Relationship between Flow-Metabolism Uncoupling and Evolving Axonal Injury after Experimental Traumatic Brain Injury. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2004, 24, 1025-1036.	2.4	56
29	Failure of de-activation in the medial frontal cortex in mania: evidence for default mode network dysfunction in the disorder. <i>World Journal of Biological Psychiatry</i> , 2012, 13, 616-626.	1.3	53
30	In vivo hippocampal subfield volumes in bipolar disorder—A mega-analysis from The Enhancing Neuro Imaging Genetics through <sc>Meta-Analysis</sc> Bipolar Disorder Working Group. <i>Human Brain Mapping</i> , 2022, 43, 385-398.	1.9	41
31	Neural correlates of cognitive impairment in schizophrenia. <i>British Journal of Psychiatry</i> , 2011, 199, 202-210.	1.7	40
32	Differential failure to deactivate the default mode network in unipolar and bipolar depression. <i>Bipolar Disorders</i> , 2017, 19, 386-395.	1.1	40
33	A <sc>meta-analysis</sc> of deep brain structural shape and asymmetry abnormalities in 2,833 individuals with schizophrenia compared with 3,929 healthy volunteers via the <sc>ENIGMA Consortium</sc>. <i>Human Brain Mapping</i> , 2022, 43, 352-372.	1.9	39
34	Structural abnormality in schizophrenia versus bipolar disorder: A whole brain cortical thickness, surface area, volume and gyrification analyses. <i>NeuroImage: Clinical</i> , 2020, 25, 102131.	1.4	38
35	Structural brain changes associated with tardive dyskinesia in schizophrenia. <i>British Journal of Psychiatry</i> , 2013, 203, 51-57.	1.7	36
36	Conditional Mutual Information Maps as Descriptors of Net Connectivity Levels in the Brain. <i>Frontiers in Neuroinformatics</i> , 2010, 4, 115.	1.3	35

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37	Brain abnormalities in adults with Attention Deficit Hyperactivity Disorder revealed by voxel-based morphometry. <i>Psychiatry Research - Neuroimaging</i> , 2016, 254, 41-47.	0.9	35
38	Structural and Functional Brain Correlates of Cognitive Impairment in Euthymic Patients with Bipolar Disorder. <i>PLoS ONE</i> , 2016, 11, e0158867.	1.1	35
39	Permutation testing of orthogonal factorial effects in a language-processing experiment using fMRI. <i>Human Brain Mapping</i> , 2006, 27, 425-433.	1.9	31
40	On the applicability of Landsat TM images to Mediterranean forest inventories. <i>Forest Ecology and Management</i> , 1998, 104, 193-208.	1.4	30
41	Early Metabolic Characteristics of Lesion and Nonlesion Tissue after Head Injury. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2009, 29, 965-975.	2.4	29
42	Effect of the Interleukin-1 β Gene on Dorsolateral Prefrontal Cortex Function in Schizophrenia: A Genetic Neuroimaging Study. <i>Biological Psychiatry</i> , 2012, 72, 758-765.	0.7	28
43	Common and specific brain responses to scenic emotional stimuli. <i>Brain Structure and Function</i> , 2014, 219, 1463-1472.	1.2	27
44	Spherical Deconvolution of Multichannel Diffusion MRI Data with Non-Gaussian Noise Models and Spatial Regularization. <i>PLoS ONE</i> , 2015, 10, e0138910.	1.1	27
45	Multimodal Integration of Brain Images for MRI-Based Diagnosis in Schizophrenia. <i>Frontiers in Neuroscience</i> , 2019, 13, 1203.	1.4	26
46	Midline Brain Abnormalities Across Psychotic and Mood Disorders. <i>Schizophrenia Bulletin</i> , 2015, 42, sbv097.	2.3	25
47	Structural and functional brain changes in delusional disorder. <i>British Journal of Psychiatry</i> , 2016, 208, 153-159.	1.7	25
48	Longitudinal brain functional changes between mania and euthymia in bipolar disorder. <i>Bipolar Disorders</i> , 2019, 21, 449-457.	1.1	24
49	Procedural Learning in Schizophrenia: Reconciling the Discrepant Findings. <i>Biological Psychiatry</i> , 2011, 69, 49-54.	0.7	22
50	Functional Imaging Changes in the Medial Prefrontal Cortex in Adult ADHD. <i>Journal of Attention Disorders</i> , 2018, 22, 679-693.	1.5	21
51	Deficits in nominal reference identify thought disordered speech in a narrative production task. <i>PLoS ONE</i> , 2018, 13, e0201545.	1.1	19
52	Effects of mindfulness training on the default mode network in borderline personality disorder. <i>Clinical Psychology and Psychotherapy</i> , 2019, 26, 562-571.	1.4	18
53	Examining hippocampal function in schizophrenia using a virtual reality spatial navigation task. <i>Schizophrenia Research</i> , 2016, 172, 86-93.	1.1	17
54	Brain imaging correlates of self- and other-reflection in schizophrenia. <i>NeuroImage: Clinical</i> , 2020, 25, 102134.	1.4	17

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55	Statistical analysis of brain tissue images in the wavelet domain: Wavelet-based morphometry. <i>NeuroImage</i> , 2013, 72, 214-226.	2.1	16
56	Non redundant functional brain connectivity in schizophrenia. <i>Brain Imaging and Behavior</i> , 2017, 11, 552-564.	1.1	16
57	Comparison of non-parametric T2 relaxometry methods for myelin water quantification. <i>Medical Image Analysis</i> , 2021, 69, 101959.	7.0	16
58	Age- and gender-related differences in brain tissue microstructure revealed by multi-component T2 relaxometry. <i>Neurobiology of Aging</i> , 2021, 106, 68-79.	1.5	15
59	Are There Valid Subtypes of Schizophrenia? A Grade of Membership Analysis. <i>Psychopathology</i> , 2010, 43, 53-62.	1.1	14
60	Intelligence, educational attainment, and brain structure in those at familial high risk for schizophrenia or bipolar disorder. <i>Human Brain Mapping</i> , 2022, 43, 414-430.	1.9	14
61	Evidence for default mode network dysfunction in borderline personality disorder. <i>Psychological Medicine</i> , 2020, 50, 1746-1754.	2.7	13
62	Neural correlates of disturbance in the sense of agency in schizophrenia: An fMRI study using the "enfacement" paradigm. <i>Schizophrenia Research</i> , 2022, 243, 395-401.	1.1	10
63	Cognitive impairment associated with cocaine use: The role of co-existent alcohol abuse/dependence. <i>Drug and Alcohol Dependence</i> , 2018, 189, 70-75.	1.6	9
64	Structural brain abnormalities in borderline personality disorder correlate with clinical severity and predict psychotherapy response. <i>Brain Imaging and Behavior</i> , 2021, 15, 2502-2512.	1.1	9
65	Interindividual variability of functional connectome in schizophrenia. <i>Schizophrenia Research</i> , 2021, 235, 65-73.	1.1	8
66	Autobiographical memory and default mode network function in schizophrenia: an fMRI study. <i>Psychological Medicine</i> , 2021, 51, 121-128.	2.7	7
67	Auditory hallucinations activate language and verbal short-term memory, but not auditory, brain regions. <i>Scientific Reports</i> , 2021, 11, 18890.	1.6	7
68	Sensitivity and specificity of hypoactivations and failure of de-activation in schizophrenia. <i>Schizophrenia Research</i> , 2018, 201, 224-230.	1.1	6
69	A Functional Connectivity Study to Investigate the Role of the Right Anterior Insula in Modulating Emotional Dysfunction in Borderline Personality Disorder. <i>Psychosomatic Medicine</i> , 2022, 84, 64-73.	1.3	6
70	Multivariate Brain Functional Connectivity Through Regularized Estimators. <i>Frontiers in Neuroscience</i> , 2020, 14, 569540.	1.4	5
71	Negative schizophrenic symptoms as prefrontal cortex dysfunction: Examination using a task measuring goal neglect. <i>NeuroImage: Clinical</i> , 2022, 35, 103119.	1.4	5
72	Altered brain responses to specific negative emotions in schizophrenia. <i>NeuroImage: Clinical</i> , 2021, 32, 102894.	1.4	4

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73	CamBAfx: Workflow design, implementation and application for neuroimaging. <i>Frontiers in Neuroinformatics</i> , 2009, 3, 27.	1.3	3
74	Activation and deactivation patterns in schizophrenia during performance of an fMRI adapted version of the stroop task. <i>Journal of Psychiatric Research</i> , 2021, 144, 1-7.	1.5	3
75	A functional neuroimaging association study on the interplay between two schizophrenia genome-wide associated genes (CACNA1C and ZNF804A). <i>European Archives of Psychiatry and Clinical Neuroscience</i> , 2022, 272, 1229-1239.	1.8	3
76	A Parametric Model for Estimating Relations Between Unprecisely Located Field Measurements and Remotely Sensed Data. <i>Remote Sensing of Environment</i> , 1999, 67, 99-107.	4.6	2
77	An assessment of the spatial variability of basal area in a terrain covered by Mediterranean woodlands. <i>Agriculture, Ecosystems and Environment</i> , 2000, 81, 17-28.	2.5	2
78	The role of educational attainment and brain morphology in major depressive disorder: Findings from the ENIGMA major depressive disorder consortium.. , 2022, 131, 664-673.		2
79	NRN1 Gene as a Potential Marker of Early-Onset Schizophrenia: Evidence from Genetic and Neuroimaging Approaches. <i>International Journal of Molecular Sciences</i> , 2022, 23, 7456.	1.8	2
80	Patterns of activation and de-activation associated with cue-guided spatial navigation: A whole-brain, voxel-based study. <i>Neuroscience</i> , 2017, 358, 70-78.	1.1	1
81	Brain correlates of impaired goal management in bipolar mania. <i>Psychological Medicine</i> , 2023, 53, 1021-1029.	2.7	0
82	Combining fMRI and DISC1 gene haplotypes to understand working memory-related brain activity in schizophrenia. <i>Scientific Reports</i> , 2022, 12, 7351.	1.6	0
83	New insights of the role of the KCNH2 gene in schizophrenia: An fMRI case-control study. <i>European Neuropsychopharmacology</i> , 2022, 60, 38-47.	0.3	0
84	Neural correlates of referential/persecutory delusions in schizophrenia: examination using fMRI and a virtual reality underground travel paradigm. <i>Psychological Medicine</i> , 0, , 1-8.	2.7	0