List of Publications by Year in descending order

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RANDY L RUCKNER

#	Article	IF	CITATIONS
1	<scp>Megaâ€analysis</scp> methods in <scp>ENIGMA</scp> : The experience of the generalized anxiety disorder working group. Human Brain Mapping, 2022, 43, 255-277.	3.6	51
2	Cortical thickness across the lifespan: Data from 17,075 healthy individuals aged 3–90 years. Human Brain Mapping, 2022, 43, 431-451.	3.6	143
3	Subcortical volumes across the lifespan: Data from 18,605 healthy individuals aged 3–90 years. Human Brain Mapping, 2022, 43, 452-469.	3.6	72
4	Fluctuations in behavior and affect in college students measured using deep phenotyping. Scientific Reports, 2022, 12, 1932.	3.3	8
5	Mapping genomic loci implicates genes and synaptic biology in schizophrenia. Nature, 2022, 604, 502-508.	27.8	929
6	The detailed organization of the human cerebellum estimated by intrinsic functional connectivity within the individual. Journal of Neurophysiology, 2021, 125, 358-384.	1.8	70
7	Heterogeneity of Cerebral White Matter Lesions and Clinical Correlates in Older Adults. Stroke, 2021, 52, 620-630.	2.0	14
8	Characterizing cerebral hemodynamics across the adult lifespan with arterial spin labeling MRI data from the Human Connectome Project-Aging. NeuroImage, 2021, 230, 117807.	4.2	31
9	Open-source Longitudinal Sleep Analysis From Accelerometer Data (DPSleep): Algorithm Development and Validation. JMIR MHealth and UHealth, 2021, 9, e29849.	3.7	11
10	Effects of eight neuropsychiatric copy number variants on human brain structure. Translational Psychiatry, 2021, 11, 399.	4.8	18
11	Sociodemographic characteristics of missing data in digital phenotyping. Scientific Reports, 2021, 11, 15408.	3.3	19
12	Precision estimates of parallel distributed association networks: evidence for domain specialization and implications for evolution and development. Current Opinion in Behavioral Sciences, 2021, 40, 120-129.	3.9	26
13	Precision estimates of macroscale network organization in the human and their relation to anatomical connectivity in the marmoset monkey. Current Opinion in Behavioral Sciences, 2021, 40, 144-152.	3.9	9
14	Cortical and subcortical brain structure in generalized anxiety disorder: findings from 28 research sites in the ENIGMA-Anxiety Working Group. Translational Psychiatry, 2021, 11, 502.	4.8	24
15	Increased amygdala-visual cortex connectivity in youth with persecutory ideation. Psychological Medicine, 2020, 50, 273-283.	4.5	12
16	Abnormal Auditory Mismatch Fields in Children and Adolescents With 16p11.2 Deletion and 16p11.2 Duplication. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2020, 5, 942-950.	1.5	1
17	Situating the left-lateralized language network in the broader organization of multiple specialized large-scale distributed networks. Journal of Neurophysiology, 2020, 124, 1415-1448.	1.8	124
18	The genetic architecture of the human cerebral cortex. Science, 2020, 367, .	12.6	450

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19	Parallel distributed networks dissociate episodic and social functions within the individual. Journal of Neurophysiology, 2020, 123, 1144-1179.	1.8	129
20	The brain's default network: updated anatomy, physiology and evolving insights. Nature Reviews Neuroscience, 2019, 20, 593-608.	10.2	652
21	Macroscale cortical organization and a default-like apex transmodal network in the marmoset monkey. Nature Communications, 2019, 10, 1976.	12.8	76
22	Interrogating the Genetic Determinants of Tourette's Syndrome and Other Tic Disorders Through Genome-Wide Association Studies. American Journal of Psychiatry, 2019, 176, 217-227.	7.2	242
23	3.4 CHANGES IN AMYGDALA AND HIPPOCAMPAL FUNCTIONAL CONNECTIVITY IN SUBCLINICAL PSYCHOSIS: RELATIONSHIP TO SYMPTOM PERSISTENCE, PARANOIA AND ABERRANT SALIENCE. Schizophrenia Bulletin, 2019, 45, S90-S91.	4.3	0
24	Parallel distributed networks resolved at high resolution reveal close juxtaposition of distinct regions. Journal of Neurophysiology, 2019, 121, 1513-1534.	1.8	113
25	Genetic architecture of subcortical brain structures in 38,851 individuals. Nature Genetics, 2019, 51, 1624-1636.	21.4	192
26	The Lifespan Human Connectome Project in Aging: An overview. Neurolmage, 2019, 185, 335-348.	4.2	186
27	Global White Matter Diffusion Characteristics Predict Longitudinal Cognitive Change Independently of Amyloid Status in Clinically Normal Older Adults. Cerebral Cortex, 2019, 29, 1251-1262.	2.9	47
28	Quantifying the Effects of 16p11.2 Copy Number Variants on Brain Structure: A Multisite Genetic-First Study. Biological Psychiatry, 2018, 84, 253-264.	1.3	56
29	Reply to Risk and Zhu: Mixed-effects modeling as a principled approach to heritability analysis with repeat measurements. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E123-E123.	7.1	0
30	Brain MR Imaging Findings and Associated Outcomes in Carriers of the Reciprocal Copy Number Variation at 16p11.2. Radiology, 2018, 286, 217-226.	7.3	27
31	Extending the Human Connectome Project across ages: Imaging protocols for the Lifespan Development and Aging projects. NeuroImage, 2018, 183, 972-984.	4.2	290
32	Dedifferentiation of caudate functional connectivity and striatal dopamine transporter density predict memory change in normal aging. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 10160-10165.	7.1	49
33	The Lifespan Human Connectome Project in Development: A large-scale study of brain connectivity development in 5–21 year olds. NeuroImage, 2018, 183, 456-468.	4.2	184
34	Genomic Dissection of Bipolar Disorder and Schizophrenia, Including 28 Subphenotypes. Cell, 2018, 173, 1705-1715.e16.	28.9	623
35	ENIGMA and the individual: Predicting factors that affect the brain in 35 countries worldwide. NeuroImage, 2017, 145, 389-408.	4.2	173
36	Novel genetic loci associated with hippocampal volume. Nature Communications, 2017, 8, 13624.	12.8	250

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37	342. Large-Scale Networks of the Human Cerebral Cortex. Biological Psychiatry, 2017, 81, S140.	1.3	Ο
38	Heritability analysis with repeat measurements and its application to resting-state functional connectivity. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 5521-5526.	7.1	122
39	Parallel Interdigitated Distributed Networks within the Individual Estimated by Intrinsic Functional Connectivity. Neuron, 2017, 95, 457-471.e5.	8.1	469
40	Multiple Brain Markers are Linked to Age-Related Variation in Cognition. Cerebral Cortex, 2016, 26, 1388-1400.	2.9	146
41	Dopamine transporter availability in clinically normal aging is associated with individual differences in white matter integrity. Human Brain Mapping, 2016, 37, 621-631.	3.6	24
42	Relationship between M100 Auditory Evoked Response and Auditory Radiation Microstructure in 16p11.2 Deletion and Duplication Carriers. American Journal of Neuroradiology, 2016, 37, 1178-1184.	2.4	19
43	Dopamine D <sub>1</sub> signaling organizes network dynamics underlying working memory. Science Advances, 2016, 2, e1501672.	10.3	59
44	Individual Differences in Cognitive Control Circuit Anatomy Link Sensation Seeking, Impulsivity, and Substance Use. Journal of Neuroscience, 2016, 36, 4038-4049.	3.6	114
45	Accelerated decline in white matter integrity in clinically normal individuals at risk for Alzheimer's disease. Neurobiology of Aging, 2016, 42, 177-188.	3.1	57
46	Morphometricity as a measure of the neuroanatomical signature of a trait. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E5749-56.	7.1	53
47	Novel genetic loci underlying human intracranial volume identified through genome-wide association. Nature Neuroscience, 2016, 19, 1569-1582.	14.8	213
48	Polygenic risk of Alzheimer disease is associated with early- and late-life processes. Neurology, 2016, 87, 481-488.	1.1	159
49	Reciprocal white matter alterations due to 16p11.2 chromosomal deletions versus duplications. Human Brain Mapping, 2016, 37, 2833-2848.	3.6	37
50	Prospective motion correction with volumetric navigators (vNavs) reduces the bias and variance in brain morphometry induced by subject motion. NeuroImage, 2016, 127, 11-22.	4.2	109
51	Transcriptional profiles of supragranular-enriched genes associate with corticocortical network architecture in the human brain. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E469-78.	7.1	190
52	MGH–USC Human Connectome Project datasets with ultra-high b-value diffusion MRI. NeuroImage, 2016, 124, 1108-1114.	4.2	209
53	Brain Genomics Superstruct Project initial data release with structural, functional, and behavioral measures. Scientific Data, 2015, 2, 150031.	5.3	318
54	Reliability correction for functional connectivity: Theory and implementation. Human Brain Mapping, 2015, 36, 4664-4680.	3.6	71

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55	Massachusetts Alzheimer's Disease Research Center: Progress and challenges. Alzheimer's and Dementia, 2015, 11, 1241-1245.	0.8	7
56	Massively expedited genome-wide heritability analysis (MEGHA). Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 2479-2484.	7.1	69
57	Common genetic variants influence human subcortical brain structures. Nature, 2015, 520, 224-229.	27.8	772
58	Gray matter myelination of 1555 human brains using partial volume corrected MRI images. NeuroImage, 2015, 105, 473-485.	4.2	141
59	A ten-year follow-up of a study of memory for the attack of September 11, 2001: Flashbulb memories and memories for flashbulb events Journal of Experimental Psychology: General, 2015, 144, 604-623.	2.1	133
60	Parcellating cortical functional networks in individuals. Nature Neuroscience, 2015, 18, 1853-1860.	14.8	429
61	Head motion during MRI acquisition reduces gray matter volume and thickness estimates. Neurolmage, 2015, 107, 107-115.	4.2	399
62	Functional Specialization and Flexibility in Human Association Cortex. Cerebral Cortex, 2015, 25, 3654-3672.	2.9	361
63	Neural correlates of dueling affective reactions to win-win choices. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 10978-10983.	7.1	56
64	Neurobiological basis of head motion in brain imaging. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 6058-6062.	7.1	265
65	Disruption of Cortical Association Networks in Schizophrenia and Psychotic Bipolar Disorder. JAMA Psychiatry, 2014, 71, 109.	11.0	332
66	Estimates of segregation and overlap of functional connectivity networks in the human cerebral cortex. NeuroImage, 2014, 88, 212-227.	4.2	220
67	The ENIGMA Consortium: large-scale collaborative analyses of neuroimaging and genetic data. Brain Imaging and Behavior, 2014, 8, 153-182.	2.1	696
68	Aberrant White Matter Microstructure in Children with 16p11.2 Deletions. Journal of Neuroscience, 2014, 34, 6214-6223.	3.6	70
69	Reconfigurable task-dependent functional coupling modes cluster around a core functional architecture. Philosophical Transactions of the Royal Society B: Biological Sciences, 2014, 369, 20130526.	4.0	342
70	Functional Specialization in the Human Brain Estimated By Intrinsic Hemispheric Interaction. Journal of Neuroscience, 2014, 34, 12341-12352.	3.6	120
71	Opposing Brain Differences in 16p11.2 Deletion and Duplication Carriers. Journal of Neuroscience, 2014, 34, 11199-11211.	3.6	149
72	Resting-state networks link invasive and noninvasive brain stimulation across diverse psychiatric and neurological diseases. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E4367-75.	7.1	486

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73	The Human Ortholog of Acid-Sensing Ion Channel Gene ASIC1a Is Associated With Panic Disorder and Amygdala Structure and Function. Biological Psychiatry, 2014, 76, 902-910.	1.3	71
74	Borders, map clusters, and supra-areal organization in visual cortex. NeuroImage, 2014, 93, 292-297.	4.2	42
75	An open science resource for establishing reliability and reproducibility in functional connectomics. Scientific Data, 2014, 1, 140049.	5.3	349
76	The evolution of distributed association networks in the human brain. Trends in Cognitive Sciences, 2013, 17, 648-665.	7.8	620
77	The Cerebellum and Cognitive Function: 25 Years of Insight from Anatomy and Neuroimaging. Neuron, 2013, 80, 807-815.	8.1	905
78	Opportunities and limitations of intrinsic functional connectivity MRI. Nature Neuroscience, 2013, 16, 832-837.	14.8	821
79	Cerebellar asymmetry and its relation to cerebral asymmetry estimated by intrinsic functional connectivity. Journal of Neurophysiology, 2013, 109, 46-57.	1.8	98
80	The brain's default network: origins and implications for the study of psychosis. Dialogues in Clinical Neuroscience, 2013, 15, 351-358.	3.7	139
81	Failure to Modulate Attentional Control in Advanced Aging Linked to White Matter Pathology. Cerebral Cortex, 2012, 22, 1038-1051.	2.9	68
82	The organization of the human striatum estimated by intrinsic functional connectivity. Journal of Neurophysiology, 2012, 108, 2242-2263.	1.8	696
83	Individual Differences in Amygdala-Medial Prefrontal Anatomy Link Negative Affect, Impaired Social Functioning, and Polygenic Depression Risk. Journal of Neuroscience, 2012, 32, 18087-18100.	3.6	250
84	The influence of head motion on intrinsic functional connectivity MRI. Neurolmage, 2012, 59, 431-438.	4.2	2,209
85	The serendipitous discovery of the brain's default network. NeuroImage, 2012, 62, 1137-1145.	4.2	243
86	The organization of the human cerebellum estimated by intrinsic functional connectivity. Journal of Neurophysiology, 2011, 106, 2322-2345.	1.8	3,788
87	The organization of the human cerebral cortex estimated by intrinsic functional connectivity. Journal of Neurophysiology, 2011, 106, 1125-1165.	1.8	6,420
88	Default Mode of Brain Function in Monkeys. Journal of Neuroscience, 2011, 31, 12954-12962.	3.6	278
89	Amyloidâ $\in \hat{i}^2$ associated cortical thinning in clinically normal elderly. Annals of Neurology, 2011, 69, 1032-1042.	5.3	306
90	Localization of focal epileptic discharges using functional connectivity magnetic resonance imaging. Journal of Neurosurgery, 2011, 114, 1693-1697.	1.6	80

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91	Focal Pontine Lesions Provide Evidence That Intrinsic Functional Connectivity Reflects Polysynaptic Anatomical Pathways. Journal of Neuroscience, 2011, 31, 15065-15071.	3.6	118
92	Evidence for the Default Network's Role in Spontaneous Cognition. Journal of Neurophysiology, 2010, 104, 322-335.	1.8	561
93	Functional-Anatomic Fractionation of the Brain's Default Network. Neuron, 2010, 65, 550-562.	8.1	2,333
94	Correlated Low-Frequency BOLD Fluctuations in the Resting Human Brain Are Modulated by Recent Experience in Category-Preferential Visual Regions. Cerebral Cortex, 2010, 20, 1997-2006.	2.9	167
95	Intrinsic Functional Connectivity As a Tool For Human Connectomics: Theory, Properties, and Optimization. Journal of Neurophysiology, 2010, 103, 297-321.	1.8	1,667
96	Human functional connectivity: New tools, unresolved questions. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 10769-10770.	7.1	73
97	The Organization of Local and Distant Functional Connectivity in the Human Brain. PLoS Computational Biology, 2010, 6, e1000808.	3.2	362
98	Toward discovery science of human brain function. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 4734-4739.	7.1	2,703
99	The Role of the Hippocampus in Prediction and Imagination. Annual Review of Psychology, 2010, 61, 27-48.	17.7	330
100	Functional Connectivity of the Macaque Posterior Parahippocampal Cortex. Journal of Neurophysiology, 2010, 103, 793-800.	1.8	40
101	Open Access Series of Imaging Studies: Longitudinal MRI Data in Nondemented and Demented Older Adults. Journal of Cognitive Neuroscience, 2010, 22, 2677-2684.	2.3	392
102	Evidence from intrinsic activity that asymmetry of the human brain is controlled by multiple factors. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 20499-20503.	7.1	333
103	Cortical Hubs Revealed by Intrinsic Functional Connectivity: Mapping, Assessment of Stability, and Relation to Alzheimer's Disease. Journal of Neuroscience, 2009, 29, 1860-1873.	3.6	2,576
104	Amyloid Deposition Is Associated with Impaired Default Network Function in Older Persons without Dementia. Neuron, 2009, 63, 178-188.	8.1	899
105	Disruption of Functional Connectivity in Clinically Normal Older Adults Harboring Amyloid Burden. Journal of Neuroscience, 2009, 29, 12686-12694.	3.6	530
106	Segregated Fronto-Cerebellar Circuits Revealed by Intrinsic Functional Connectivity. Cerebral Cortex, 2009, 19, 2485-2497.	2.9	680
107	Exploring functional connectivity in fMRI via clustering. , 2009, 2009, 441-444.		28
108	<i>Episodic Simulation of Future Events</i> . Annals of the New York Academy of Sciences, 2008, 1124, 39-60.	3.8	647

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109	<i>The Brain's Default Network</i> . Annals of the New York Academy of Sciences, 2008, 1124, 1-38.	3.8	8,109
110	Evidence for a Frontoparietal Control System Revealed by Intrinsic Functional Connectivity. Journal of Neurophysiology, 2008, 100, 3328-3342.	1.8	1,627
111	Distinct Cortical Anatomy Linked to Subregions of the Medial Temporal Lobe Revealed by Intrinsic Functional Connectivity. Journal of Neurophysiology, 2008, 100, 129-139.	1.8	432
112	Open Access Series of Imaging Studies (OASIS): Cross-sectional MRI Data in Young, Middle Aged, Nondemented, and Demented Older Adults. Journal of Cognitive Neuroscience, 2007, 19, 1498-1507.	2.3	1,380
113	Prospection and the brain. Behavioral and Brain Sciences, 2007, 30, 318-319.	0.7	8
114	Self-projection and the brain. Trends in Cognitive Sciences, 2007, 11, 49-57.	7.8	2,338
115	Disruption of Large-Scale Brain Systems in Advanced Aging. Neuron, 2007, 56, 924-935.	8.1	1,421
116	Unrest at rest: Default activity and spontaneous network correlations. NeuroImage, 2007, 37, 1091-1096.	4.2	496
117	Remembering the past to imagine the future: the prospective brain. Nature Reviews Neuroscience, 2007, 8, 657-661.	10.2	1,844
118	Cortical Surface Shape Analysis Based on Spherical Wavelet Transformation. , 2006, 2006, .		3
119	An automated labeling system for subdividing the human cerebral cortex on MRI scans into gyral based regions of interest. NeuroImage, 2006, 31, 968-980.	4.2	10,125
120	Functional-Anatomic Correlates of Individual Differences in Memory. Neuron, 2006, 51, 263-274.	8.1	116
121	Coherent Spontaneous Activity Identifies a Hippocampal-Parietal Memory Network. Journal of Neurophysiology, 2006, 96, 3517-3531.	1.8	924
122	Parietal lobe contributions to episodic memory retrieval. Trends in Cognitive Sciences, 2005, 9, 445-453.	7.8	1,394
123	Molecular, Structural, and Functional Characterization of Alzheimer's Disease: Evidence for a Relationship between Default Activity, Amyloid, and Memory. Journal of Neuroscience, 2005, 25, 7709-7717.	3.6	1,839
124	The Potion's Magic. Neuron, 2004, 42, 526-527.	8.1	2
125	Memory and Executive Function in Aging and AD. Neuron, 2004, 44, 195-208.	8.1	1,322
126	Functional-anatomic correlates of remembering and knowing. NeuroImage, 2004, 21, 1337-1349.	4.2	405

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127	A unified approach for morphometric and functional data analysis in young, old, and demented adults using automated atlas-based head size normalization: reliability and validation against manual measurement of total intracranial volume. NeuroImage, 2004, 23, 724-738.	4.2	1,105
128	Imaging of Alzheimer's Disease. Journal of Neuroimaging, 2003, 13, 199-214.	2.0	45
129	The hemodynamic inverse problem: Making inferences about neural activity from measured MRI signals. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 2177-2179.	7.1	36
130	Functional deactivations: Change with age and dementia of the Alzheimer type. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 14504-14509.	7.1	674
131	Imaging of Alzheimer's Disease. , 2003, 13, 199-214.		3
132	Neural Correlates of Episodic Retrieval Success. NeuroImage, 2000, 12, 276-286.	4.2	256
133	Building Memories: Remembering and Forgetting of Verbal Experiences as Predicted by Brain Activity. Science, 1998, 281, 1188-1191.	12.6	1,446
134	Functional MRI studies of word-stem completion: Reliability across laboratories and comparison to blood flow imaging with PET. Human Brain Mapping, 1998, 6, 203-215.	3.6	116
135	Event-related fMRI and the hemodynamic response. Human Brain Mapping, 1998, 6, 373-377.	3.6	299
136	Eventâ€related fMRI and the hemodynamic response. Human Brain Mapping, 1998, 6, 373-377.	3.6	11
137	Common Blood Flow Changes across Visual Tasks: I. Increases in Subcortical Structures and Cerebellum but Not in Nonvisual Cortex. Journal of Cognitive Neuroscience, 1997, 9, 624-647.	2.3	176
138	Common Blood Flow Changes across Visual Tasks: II. Decreases in Cerebral Cortex. Journal of Cognitive Neuroscience, 1997, 9, 648-663.	2.3	1,690
139	Searching for activations that generalize over tasks. , 1997, 5, 317-322.		68
140	Selective averaging of rapidly presented individual trials using fMRI. Human Brain Mapping, 1997, 5, 329-340.	3.6	921
141	Functional Anatomic Studies of Memory Retrieval for Auditory Words and Visual Pictures. Journal of Neuroscience, 1996, 16, 6219-6235.	3.6	371