R Todd Constable

List of Publications by Year
in descending order

378 papers	38,838 citations	1990 101 h-index	4012 176 g-index
409 all docs	409 docs citations	409 times ranked	28588 citing authors

#	Article	IF	Citations
1	Functional connectome fingerprinting: identifying individuals using patterns of brain connectivity. Nature Neuroscience, 2015, 18, 1664-1671.	7.1	2,191
2	Sex differences in the functional organization of the brain for language. Nature, 1995, 373, 607-609.	13.7	1,332
3	Disruption of posterior brain systems for reading in children with developmental dyslexia. Biological Psychiatry, 2002, 52, 101-110.	0.7	860
4	Groupwise whole-brain parcellation from resting-state fMRI data for network node identification. NeuroImage, 2013, 82, 403-415.	2.1	858
5	A neuromarker of sustained attention from whole-brain functional connectivity. Nature Neuroscience, 2016, 19, 165-171.	7.1	833
6	Brain Connectivity Related to Working Memory Performance. Journal of Neuroscience, 2006, 26, 13338-13343.	1.7	780
7	Using connectome-based predictive modeling to predict individual behavior from brain connectivity. Nature Protocols, 2017, 12, 506-518.	5.5	766
8	Functional disruption in the organization of the brain for reading in dyslexia. Proceedings of the National Academy of Sciences of the United States of America, 1998, 95, 2636-2641.	3.3	720
9	Cerebral organization of component processes in reading. Brain, 1996, 119, 1221-1238.	3.7	574
10	Image processing and analysis methods for the Adolescent Brain Cognitive Development Study. NeuroImage, 2019, 202, 116091.	2.1	539
11	Imaging Response Inhibition in a Stop-Signal Task: Neural Correlates Independent of Signal Monitoring and Post-Response Processing. Journal of Neuroscience, 2006, 26, 186-192.	1.7	518
12	Development of left occipitotemporal systems for skilled reading in children after a phonologically-based intervention. Biological Psychiatry, 2004, 55, 926-933.	0.7	489
13	An Event-related Neuroimaging Study Distinguishing Form and Content in Sentence Processing. Journal of Cognitive Neuroscience, 2000, 12, 120-133.	1.1	396
14	Neural systems for compensation and persistence: young adult outcome of childhood reading disability. Biological Psychiatry, 2003, 54, 25-33.	0.7	382
15	Activation of Human Prefrontal Cortex during Spatial and Nonspatial Working Memory Tasks Measured by Functional MRI. Cerebral Cortex, 1996, 6, 600-611.	1.6	376
16	Effect of Estrogen on Brain Activation Patterns in Postmenopausal Women During Working Memory Tasks. JAMA - Journal of the American Medical Association, 1999, 281, 1197.	3.8	374
17	A decade of test-retest reliability of functional connectivity: A systematic review and meta-analysis. NeuroImage, 2019, 203, 116157.	2.1	370
18	Task-induced brain state manipulation improves prediction of individual traits. Nature Communications, 2018, 9, 2807.	5.8	346

#	Article	IF	Citations
19	The Angular Gyrus in Developmental Dyslexia: Task-Specific Differences in Functional Connectivity Within Posterior Cortex. Psychological Science, 2000, 11, 51-56.	1.8	342
20	Alanine Aminotransferase Levels and Fatty Liver in Childhood Obesity: Associations with Insulin Resistance, Adiponectin, and Visceral Fat. Journal of Clinical Endocrinology and Metabolism, 2006, 91, 4287-4294.	1.8	330
21	Beyond affect: A role for genetic variation of the serotonin transporter in neural activation during a cognitive attention task. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 12224-12229.	3.3	320
22	Effects of Fructose vs Glucose on Regional Cerebral Blood Flow in Brain Regions Involved With Appetite and Reward Pathways. JAMA - Journal of the American Medical Association, 2013, 309, 63.	3.8	307
23	More accurate Talairach coordinates for neuroimaging using non-linear registration. NeuroImage, 2008, 42, 717-725.	2.1	306
24	Functional connectivity between task-positive and task-negative brain areas and its relation to working memory performance. Magnetic Resonance Imaging, 2010, 28, 1051-1057.	1.0	303
25	Influences on the Test–Retest Reliability of Functional Connectivity MRI and its Relationship with Behavioral Utility. Cerebral Cortex, 2017, 27, 5415-5429.	1.6	300
26	Neural correlates of epigenesis. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 16033-16038.	3.3	294
27	Functional magnetic resonance imaging of sensory and motor cortex: comparison with electrophysiological localization. Journal of Neurosurgery, 1995, 83, 262-270.	0.9	292
28	Sex differences and correlations in a virtual Morris water task, a virtual radial arm maze, and mental rotation†. Behavioural Brain Research, 2004, 151, 103-115.	1.2	276
29	The central vein sign and its clinical evaluation for the diagnosis of multiple sclerosis: a consensus statement from the North American Imaging in Multiple Sclerosis Cooperative. Nature Reviews Neurology, 2016, 12, 714-722.	4.9	274
30	Ten simple rules for predictive modeling of individual differences in neuroimaging. NeuroImage, 2019, 193, 35-45.	2.1	273
31	Dynamic Time Course of Typical Childhood Absence Seizures: EEG, Behavior, and Functional Magnetic Resonance Imaging. Journal of Neuroscience, 2010, 30, 5884-5893.	1.7	267
32	Factors influencing contrast in fast spin-echo MR imaging. Magnetic Resonance Imaging, 1992, 10, 497-511.	1.0	266
33	Can brain state be manipulated to emphasize individual differences in functional connectivity?. NeuroImage, 2017, 160, 140-151.	2.1	266
34	Image distortion correction in EPI: Comparison of field mapping with point spread function mapping. Magnetic Resonance in Medicine, 2002, 48, 137-146.	1.9	245
35	Disrupted Ventromedial Prefrontal Function, Alcohol Craving, and Subsequent Relapse Risk. JAMA Psychiatry, 2013, 70, 727.	6.0	245
36	Functional and Structural Connectivity Between the Perigenual Anterior Cingulate and Amygdala in Bipolar Disorder. Biological Psychiatry, 2009, 66, 516-521.	0.7	243

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37	Maternal brain response to own baby'cry is affected by cesarean section delivery. Journal of Child Psychology and Psychiatry and Allied Disciplines, 2008, 49, 1042-1052.	3.1	242
38	Prematurely Born Children Demonstrate White Matter Microstructural Differences at 12 Years of Age, Relative to Term Control Subjects: An Investigation of Group and Gender Effects. Pediatrics, 2008, 121, 306-316.	1.0	242
39	Auditory Selective Attention: An fMRI Investigation. NeuroImage, 1996, 4, 159-173.	2.1	233
40	The Loss of Small Objects in Variable TE Imaging: Implications for FSE, RARE, and EPI. Magnetic Resonance in Medicine, 1992, 28, 9-24.	1.9	232
41	ROC Analysis of Statistical Methods Used in Functional MRI: Individual Subjects. NeuroImage, 1999, 9, 311-329.	2.1	230
42	The (in)stability of functional brain network measures across thresholds. NeuroImage, 2015, 118, 651-661.	2.1	228
43	An fMRI study of the human cortical motor system response to increasing functional demands. Magnetic Resonance Imaging, 1997, 15, 385-396.	1.0	226
44	Sex differences in normal age trajectories of functional brain networks. Human Brain Mapping, 2015, 36, 1524-1535.	1.9	207
45	Emotional conflict and neuroticism: Personality-dependent activation in the amygdala and subgenual anterior cingulate.. Behavioral Neuroscience, 2007, 121, 249-256.	0.6	205
46	Amygdala gray matter concentration is associated with extraversion and neuroticism. NeuroReport, 2005, 16, 1905-1908.	0.6	202
47	Disruption of Functional Networks in Dyslexia: A Whole-Brain, Data-Driven Analysis of Connectivity. Biological Psychiatry, 2014, 76, 397-404.	0.7	201
48	Functional connectivity and alterations in baseline brain state in humans. NeuroImage, 2010, 49, 823-834.	2.1	198
49	Sentence complexity and input modality effects in sentence comprehension: an fMRI study. NeuroImage, 2004, 22, 11-21.	2.1	195
50	Functional MRI of Language Processing: Dependence on Input Modality and Temporal Lobe Epilepsy. Epilepsia, 2001, 42, 1241-1254.	2.6	193
51	Preterm birth results in alterations in neural connectivity at age 16 years. NeuroImage, 2011, 54, 2563-2570.	2.1	192
52	Comparative MR study of hepatic fat quantification using single'voxel proton spectroscopy, two'point dixon and three'point IDEAL. Magnetic Resonance in Medicine, 2008, 59, 521-527.	1.9	188
53	Graph-theory based parcellation of functional subunits in the brain from resting-state fMRI data. NeuroImage, 2010, 50, 1027-1035.	2.1	184
54	Estimation of 3-D left ventricular deformation from medical images using biomechanical models. IEEE Transactions on Medical Imaging, 2002, 21, 786-800.	5.4	183

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55	Effects of Working Memory Load on Oscillatory Power in Human Intracranial EEG. Cerebral Cortex, 2008, 18, 1843-1855.	1.6	179
56	Amygdala responsiveness is modulated by tryptophan hydroxylase-2 gene variation. Journal of Neural Transmission, 2005, 112, 1479-1485.	1.4	172
57	There is no single functional atlas even for a single individual: Functional parcel definitions change with task. NeuroImage, 2020, 208, 116366.	2.1	172
58	Gender differences in the neural correlates of response inhibition during a stop signal task. NeuroImage, 2006, 32, 1918-1929.	2.1	169
59	Trying to Detect Taste in a Tasteless Solution: Modulation of Early Gustatory Cortex by Attention to Taste. Chemical Senses, 2007, 32, 569-581.	1.1	167
60	Connectivity–behavior analysis reveals that functional connectivity between left BA39 and Broca's area varies with reading ability. NeuroImage, 2006, 31, 513-519.	2.1	166
61	Dynamic neural activity during stress signals resilient coping. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 8837-8842.	3.3	166
62	Meditation leads to reduced default mode network activity beyond an active task. Cognitive, Affective and Behavioral Neuroscience, 2015, 15, 712-720.	1.0	165
63	Circulating glucose levels modulate neural control of desire for high-calorie foods in humans. Journal of Clinical Investigation, 2011, 121, 4161-4169.	3.9	164
64	Individual differences in EEG theta and alpha dynamics during working memory correlate with fMRI responses across subjects. Clinical Neurophysiology, 2007, 118, 2419-2436.	0.7	162
65	Accurate alignment of functional EPI data to anatomical MRI using a physics-based distortion model. IEEE Transactions on Medical Imaging, 2000, 19, 1115-1127.	5.4	161
66	Probing the Pathophysiology of Auditory/Verbal Hallucinations by Combining Functional Magnetic Resonance Imaging and Transcranial Magnetic Stimulation. Cerebral Cortex, 2007, 17, 2733-2743.	1.6	160
67	The individual functional connectome is unique and stable over months to years. NeuroImage, 2019, 189, 676-687.	2.1	156
68	Orbitofrontal cortex neurofeedback produces lasting changes in contamination anxiety and resting-state connectivity. Translational Psychiatry, 2013, 3, e250-e250.	2.4	154
69	Impaired attention and network connectivity in childhood absence epilepsy. NeuroImage, 2011, 56, 2209-2217.	2.1	153
70	Topographic organization of the cerebral cortex and brain cartography. NeuroImage, 2018, 170, 332-347.	2.1	148
71	BioImage Suite: An integrated medical image analysis suite: An update. The Insight Journal, 2006, 2006, 209.	0.2	146
72	Glucose dysregulation and hepatic steatosis in obese adolescents: Is there a link?. Hepatology, 2009, 49, 1896-1903.	3.6	144

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73	Measurement of the point spread function in MRI using constant time imaging. Magnetic Resonance in Medicine, 1997, 38, 733-740.	1.9	142
74	Functional neuroanatomy of executive processes involved in dual-task performance. Proceedings of the National Academy of Sciences of the United States of America, 2000, 97, 3567-3572.	3.3	141
75	Alterations in neural connectivity in preterm children at school age. NeuroImage, 2009, 48, 458-463.	2.1	140
76	Multisite reliability of MR-based functional connectivity. NeuroImage, 2017, 146, 959-970.	2.1	140
77	Connectome-based predictive modeling of attention: Comparing different functional connectivity features and prediction methods across datasets. NeuroImage, 2018, 167, 11-22.	2.1	139
78	Age-related changes in reading systems of dyslexic children. Annals of Neurology, 2007, 61, 363-370.	2.8	138
79	Neural Correlates of Post-error Slowing during a Stop Signal Task: A Functional Magnetic Resonance Imaging Study. Journal of Cognitive Neuroscience, 2008, 20, 1021-1029.	1.1	138
80	Alterations in functional connectivity for language in prematurely born adolescents. Brain, 2009, 132, 661-670.	3.7	138
81	Simultaneous EEG, fMRI, and behavior in typical childhood absence seizures. Epilepsia, 2010, 51, 2011-2022.	2.6	138
82	A whole-brain voxel based measure of intrinsic connectivity contrast reveals local changes in tissue connectivity with anesthetic without a priori assumptions on thresholds or regions of interest. NeuroImage, 2011, 58, 1044-1050.	2.1	138
83	Resting-state functional connectivity predicts neuroticism and extraversion in novel individuals. Social Cognitive and Affective Neuroscience, 2018, 13, 224-232.	1.5	137
84	Longitudinal Brain Volume Changes in Preterm and Term Control Subjects During Late Childhood and Adolescence. Pediatrics, 2009, 123, 503-511.	1.0	133
85	Dynamic functional connectivity during task performance and rest predicts individual differences in attention across studies. NeuroImage, 2019, 188, 14-25.	2.1	133
86	An Event-Related fMRI Study of Implicit Phrase-Level Syntactic and Semantic Processing. NeuroImage, 1999, 10, 555-561.	2.1	132
87	Effects of estrogen variation on neural correlates of emotional response inhibition. NeuroImage, 2006, 32, 457-464.	2.1	132
88	Prenatal and Adolescent Exposure to Tobacco Smoke Modulates the Development of White Matter Microstructure. Journal of Neuroscience, 2007, 27, 13491-13498.	1.7	131
89	Brain Volume Reductions within Multiple Cognitive Systems in Male Preterm Children at Age Twelve. Journal of Pediatrics, 2008, 152, 513-520.e1.	0.9	131
90	Functional Correlates of Verbal Memory Deficits Emerging During Nicotine Withdrawal in Abstinent Adolescent Cannabis Users. Biological Psychiatry, 2007, 61, 31-40.	0.7	129

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91	Abnormal Corpus Callosum Integrity in Bipolar Disorder: A Diffusion Tensor Imaging Study. Biological Psychiatry, 2008, 64, 730-733.	0.7	129
92	Language lateralization in epilepsy patients: fMRI validated with the Wada procedure. Epilepsia, 2009, 50, 2225-2241.	2.6	128
93	Weak functional connectivity in the human fetal brain prior to preterm birth. Scientific Reports, 2017, 7, 39286.	1.6	128
94	Functional connectivity predicts changes in attention observed across minutes, days, and months. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 3797-3807.	3.3	128
95	The relationship between phonological and auditory processing and brain organization in beginning readers. Brain and Language, 2013, 125, 173-183.	0.8	126
96	Characterizing Attention with Predictive Network Models. Trends in Cognitive Sciences, 2017, 21, 290-302.	4.0	121
97	Does prenatal stress alter the developing connectome?. Pediatric Research, 2017, 81, 214-226.	1.1	120
98	Composite image formation inz-shimmed functional MR imaging. Magnetic Resonance in Medicine, 1999, 42, 110-117.	1.9	118
99	The neurobiology of adaptive learning in reading: A contrast of different training conditions. Cognitive, Affective and Behavioral Neuroscience, 2004, 4, 67-88.	1.0	117
100	Brain Areas Coactivating with Motor Cortex During Chronic Motor Tics and Intentional Movements. Biological Psychiatry, 2009, 65, 594-599.	0.7	117
101	Trait paranoia shapes inter-subject synchrony in brain activity during an ambiguous social narrative. Nature Communications, 2018, 9, 2043.	5.8	117
102	Relation Between Amygdala Structure and Function in Adolescents With Bipolar Disorder. Journal of the American Academy of Child and Adolescent Psychiatry, 2009, 48, 636-642.	0.3	116
103	Real-time fMRI links subjective experience with brain activity during focused attention. NeuroImage, 2013, 81, 110-118.	2.1	114
104	Functional brain imaging at 1.5 T using conventional gradient echo MR imaging techniques. Magnetic Resonance Imaging, 1993, 11, 451-459.	1.0	113
105	Simultaneous cortex-wide fluorescence Ca2+ imaging and whole-brain fMRI. Nature Methods, 2020, 17, 1262-1271.	9.0	111
106	Impairment of Working Memory Maintenance and Response in Schizophrenia: Functional Magnetic Resonance Imaging Evidence. Biological Psychiatry, 2008, 64, 1026-1034.	0.7	110
107	Combining multiple connectomes improves predictive modeling of phenotypic measures. NeuroImage, 2019, 201, 116038.	2.1	109
108	Functional MRI connectivity as a predictor of the surgical outcome of epilepsy. Epilepsia, 2011, 52, 1733-1740.	2.6	108

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109	BioImage Suite: An integrated medical image analysis suite: An update. The Insight Journal, 2006, , .	0.2	107
110	Measurement and correction of transmitter and receiver induced nonuniformities in vivo. Magnetic Resonance in Medicine, 2005, 53, 408-417.	1.9	102
111	Abnormal anterior cingulum integrity in bipolar disorder determined through diffusion tensor imaging. British Journal of Psychiatry, 2008, 193, 126-129.	1.7	102
112	Simultaneous mesoscopic and two-photon imaging of neuronal activity in cortical circuits. Nature Methods, 2020, 17, 107-113.	9.0	102
113	In vivo method for correcting transmit/receive nonuniformities with phased array coils. Magnetic Resonance in Medicine, 2005, 53, 666-674.	1.9	100
114	Prenatal stress alters amygdala functional connectivity in preterm neonates. NeuroImage: Clinical, 2016, 12, 381-388.	1.4	100
115	A guide to the measurement and interpretation of fMRI test-retest reliability. Current Opinion in Behavioral Sciences, 2021, 40, 27-32.	2.0	100
116	Non-invasive assessment of language lateralization by transcranial near infrared optical topography and functional MRI. Human Brain Mapping, 2002, 16, 183-189.	1.9	99
117	The intrinsic connectivity distribution: A novel contrast measure reflecting voxel level functional connectivity. NeuroImage, 2012, 62, 1510-1519.	2.1	98
118	Evidence That Autobiographic Memory Retrieval Does Not Become Independent of the Hippocampus: An fMRI Study Contrasting Very Recent with Remote Events. Journal of Cognitive Neuroscience, 2005, 17, 1950-1961.	1.1	97
119	Grayâ€matter relationships to diagnostic and transdiagnostic features of drug and behavioral addictions. Addiction Biology, 2018, 23, 394-402.	1.4	97
120	Point-tracked quantitative analysis of left ventricular surface motion from 3-D image sequences. IEEE Transactions on Medical Imaging, 2000, 19, 36-50.	5.4	96
121	Microstructural and Functional Connectivity in the Developing Preterm Brain. Seminars in Perinatology, 2011, 35, 34-43.	1.1	96
122	The Functional Brain Organization of an Individual Allows Prediction of Measures of Social Abilities Transdiagnostically in Autism and Attention-Deficit/Hyperactivity Disorder. Biological Psychiatry, 2019, 86, 315-326.	0.7	95
123	Differential Resting State Connectivity Responses to Glycemic State in Type 1 Diabetes. Journal of Clinical Endocrinology and Metabolism, 2020, 105, 1-13.	1.8	95
124	Signal-to-Noise and Contrast in Fast Spin Echo (FSE) and Inversion Recovery FSE Imaging. Journal of Computer Assisted Tomography, 1992, 16, 41-47.	0.5	94
125	Multicoil high-resolution fast spin-echo MR imaging of the female pelvis.. Radiology, 1992, 184, 671-675.	3.6	92
126	Predicting reading performance from neuroimaging profiles: The cerebral basis of phonological effects in printed word identification.. Journal of Experimental Psychology: Human Perception and Performance, 1997, 23, 299-318.	0.7	92

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127	An roc approach for evaluating functional brain mr imaging and postprocessing protocols. Magnetic Resonance in Medicine, 1995, 34, 57-64.	1.9	91
128	Functional connectivity to a right hemisphere language center in prematurely born adolescents. NeuroImage, 2010, 51, 1445-1452.	2.1	91
129	<i>O</i>‐space imaging: Highly efficient parallel imaging using second‐order nonlinear fields as encoding gradients with no phase encoding. Magnetic Resonance in Medicine, 2010, 64, 447-456.	1.9	90
130	Reduced genual corpus callosal white matter integrity in pathological gambling and its relationship to alcohol abuse or dependence. World Journal of Biological Psychiatry, 2013, 14, 129-138.	1.3	90
131	Influence of SLC6A3 and COMT variation on neural activation during response inhibition. Biological Psychology, 2009, 81, 144-152.	1.1	88
132	Methylphenidate Modulates Functional Network Connectivity to Enhance Attention. Journal of Neuroscience, 2016, 36, 9547-9557.	1.7	88
133	Interference produced by emotional conflict associated with anterior cingulate activation. Cognitive, Affective and Behavioral Neuroscience, 2006, 6, 152-156.	1.0	87
134	Presurgical language fMRI: Mapping of six critical regions. Human Brain Mapping, 2017, 38, 4239-4255.	1.9	87
135	Development and evaluation of tracking algorithms for cardiac wall motion analysis using phase velocity MR imaging. Magnetic Resonance in Medicine, 1994, 32, 33-42.	1.9	86
136	Impaired consciousness in patients with absence seizures investigated by functional MRI, EEG, and behavioural measures: a cross-sectional study. Lancet Neurology, The, 2016, 15, 1336-1345.	4.9	85
137	Error-specific medial cortical and subcortical activity during the stop signal task: A functional magnetic resonance imaging study. Neuroscience, 2008, 155, 1142-1151.	1.1	84
138	Impact of smoking abstinence on working memory neurocircuitry in adolescent daily tobacco smokers. Psychopharmacology, 2007, 193, 557-566.	1.5	83
139	Resting functional connectivity between the hemispheres in childhood absence epilepsy. Neurology, 2011, 76, 1960-1967.	1.5	82
140	Connectome-based Models Predict Separable Components of Attention in Novel Individuals. Journal of Cognitive Neuroscience, 2018, 30, 160-173.	1.1	82
141	A Double Dissociation Between Mood States and Personality Traits in the Anterior Cingulate.. Behavioral Neuroscience, 2004, 118, 897-904.	0.6	81
142	Functional NMR imaging using fast spin echo at 1.5 T. Magnetic Resonance in Medicine, 1994, 31, 686-690.	1.9	80
143	Functional neuroanatomy of executive processes involved in dual-task performance. Proceedings of the National Academy of Sciences of the United States of America, 2000, 97, 3567-3572.	3.3	80
144	The cerebellum's role in reading: a functional MR imaging study. American Journal of Neuroradiology, 1999, 20, 1925-30.	1.2	80

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145	Functional MR imaging using gradient-echo echo-planar imaging in the presence of large static field inhomogeneities. Journal of Magnetic Resonance Imaging, 1995, 5, 746-752.	1.9	78
146	Activation of human hippocampal formation reflects success in both encoding and cued recall of paired associates. NeuroImage, 2005, 24, 384-397.	2.1	76
147	Additive effects of serotonin transporter and tryptophan hydroxylase-2 gene variation on neural correlates of affective processing. Biological Psychology, 2008, 79, 118-125.	1.1	76
148	Reliability of neuroanatomical measurements in a multisite longitudinal study of youth at risk for psychosis. Human Brain Mapping, 2014, 35, 2424-2434.	1.9	76
149	Attentional bias for valenced stimuli as a function of personality in the dot-probe task. Journal of Research in Personality, 2004, 38, 15-23.	0.9	75
150	Stop the sadness: Neuroticism is associated with sustained medial prefrontal cortex response to emotional facial expressions. NeuroImage, 2008, 42, 385-392.	2.1	75
151	White matter tractography by anisotropic wavefront evolution and diffusion tensor imaging. Medical Image Analysis, 2005, 9, 427-440.	7.0	74
152	Phonological awareness predicts activation patterns for print and speech. Annals of Dyslexia, 2009, 59, 78-97.	1.2	73
153	Localization of semantic processing using functional magnetic resonance imaging. Human Brain Mapping, 1994, 2, 149-158.	1.9	72
154	Preliminary evidence for progressive prefrontal abnormalities in adolescents and young adults with bipolar disorder. Journal of the International Neuropsychological Society, 2009, 15, 476-481.	1.2	72
155	Individual variation in functional brain connectivity: implications for personalized approaches to psychiatric disease. Dialogues in Clinical Neuroscience, 2016, 18, 277-287.	1.8	72
156	Preterm birth alters neonatal, functional rich club organization. Brain Structure and Function, 2016, 221, 3211-3222.	1.2	71
157	Shared Microstructural Features of Behavioral and Substance Addictions Revealed in Areas of Crossing Fibers. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2017, 2, 188-195.	1.1	70
158	T1 Measurements incorporating flip angle calibration and correction in vivo. Journal of Magnetic Resonance, 2006, 182, 283-292.	1.2	69
159	Effects of Stimulus Difficulty and Repetition on Printed Word Identification: An fMRI Comparison of Nonimpaired and Reading-disabled Adolescent Cohorts. Journal of Cognitive Neuroscience, 2008, 20, 1146-1160.	1.1	69
160	Altered functional connectivity in seizure onset zones revealed by fMRI intrinsic connectivity. Neurology, 2014, 83, 2269-2277.	1.5	69
161	Altered Brain Response to Drinking Glucose and Fructose in Obese Adolescents. Diabetes, 2016, 65, 1929-1939.	0.3	69
162	Patterns of functional magnetic resonance imaging activation in association with structural lesions in the rolandic region: a classification system. Journal of Neurosurgery, 2001, 94, 946-954.	0.9	68

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163	Gradient moment nulling in fast spin echo. Magnetic Resonance in Medicine, 1994, 32, 698-706.	1.9	67
164	Tracking myocardial deformation using phase contrast MR velocity fields: a stochastic approach. IEEE Transactions on Medical Imaging, 1996, 15, 453-465.	5.4	66
165	Multivariate approaches improve the reliability and validity of functional connectivity and prediction of individual behaviors. NeuroImage, 2019, 197, 212-223.	2.1	66
166	The Functional Neural Architecture of Components of Attention in Language-Processing Tasks. NeuroImage, 2001, 13, 601-612.	2.1	65
167	Reorganization of brain connectivity in obesity. Human Brain Mapping, 2017, 38, 1403-1420.	1.9	65
168	Contrast, Resolution, and Detectability in MR Imaging. Journal of Computer Assisted Tomography, 1991, 15, 297-303.	0.5	64
169	Factors influencing flip angle mapping in MRI: RF pulse shape, slice-select gradients, off-resonance excitation, andB0 inhomogeneities. Magnetic Resonance in Medicine, 2006, 56, 463-468.	1.9	64
170	Unification of sentence processing via ear and eye: An fMRI study. Cortex, 2011, 47, 416-431.	1.1	64
171	Leptin Is Associated With Exaggerated Brain Reward and Emotion Responses to Food Images in Adolescent Obesity. Diabetes Care, 2014, 37, 3061-3068.	4.3	64
172	Investigation of the Human Hippocampal Formation Using a Randomized Event-Related Paradigm and Z-Shimmed Functional MRI. NeuroImage, 2000, 12, 55-62.	2.1	62
173	The impact of image smoothness on intrinsic functional connectivity and head motion confounds. NeuroImage, 2014, 95, 13-21.	2.1	62
174	Cluster failure or power failure? Evaluating sensitivity in cluster-level inference. NeuroImage, 2020, 209, 116468.	2.1	62
175	How Tasks Change Whole-Brain Functional Organization to Reveal Brain-Phenotype Relationships. Cell Reports, 2020, 32, 108066.	2.9	62
176	Cingulate cortex functional connectivity predicts future relapse in alcohol dependent individuals. NeuroImage: Clinical, 2017, 13, 181-187.	1.4	61
177	BOLD signal and functional connectivity associated with loving kindness meditation. Brain and Behavior, 2014, 4, 337-347.	1.0	60
178	Arterial transit time effects in pulsed arterial spin labeling CBF mapping: Insight from a PET and MR study in normal human subjects. Magnetic Resonance in Medicine, 2010, 63, 374-384.	1.9	58
179	Adaptive mechanisms of developing brain: Cerebral lateralization in the prematurely-born. NeuroImage, 2015, 108, 144-150.	2.1	58
180	Predicting moment-to-moment attentional state. NeuroImage, 2015, 114, 249-256.	2.1	58

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181	Cortical recruitment patterns in children born prematurely compared with control subjects during a passive listening functional magnetic resonance imaging task. Journal of Pediatrics, 2006, 149, 490-498.e2.	0.9	56
182	Small Decrements in Systemic Glucose Provoke Increases in Hypothalamic Blood Flow Prior to the Release of Counterregulatory Hormones. Diabetes, 2009, 58, 448-452.	0.3	56
183	GABA, Resting-State Connectivity and the Developing Brain. Neonatology, 2014, 106, 149-155.	0.9	55
184	Role of Variation in the Serotonin Transporter Protein Gene (SLC6A4) in Trait Disturbances in the Ventral Anterior Cingulate in Bipolar Disorder. Neuropsychopharmacology, 2009, 34, 1301-1310.	2.8	54
185	Variants in the DYX2 locus are associated with altered brain activation in reading-related brain regions in subjects with reading disability. NeuroImage, 2012, 63, 148-156.	2.1	54
186	Individualized functional networks reconfigure with cognitive state. NeuroImage, 2020, 206, 116233.	2.1	54
187	Inversion-recovery fast spin-echo MR imaging: efficacy in the evaluation of head and neck lesions.. Radiology, 1993, 187, 421-426.	3.6	53
188	fMRI Hippocampal Activity During a VirtualRadial Arm Maze. Applied Psychophysiology Biofeedback, 2005, 30, 307-317.	1.0	53
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