

Vinod Menon

List of Publications by Year in descending order

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Version: 2024-02-01

195
papers

56,077
citations

3531

90
h-index

2895

190
g-index

203
all docs

203
docs citations

203
times ranked

35272
citing authors

#	ARTICLE	IF	CITATIONS
1	Dissociable Intrinsic Connectivity Networks for Salience Processing and Executive Control. Journal of Neuroscience, 2007, 27, 2349-2356.	3.6	6,171
2	Functional connectivity in the resting brain: A network analysis of the default mode hypothesis. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 253-258.	7.1	5,651
3	Salience, switching, attention and control: a network model of insula function. Brain Structure and Function, 2010, 214, 655-667.	2.3	4,307
4	Default-mode network activity distinguishes Alzheimer's disease from healthy aging: Evidence from functional MRI. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 4637-4642.	7.1	3,282
5	Large-scale brain networks and psychopathology: a unifying triple network model. Trends in Cognitive Sciences, 2011, 15, 483-506.	7.8	2,937
6	A critical role for the right fronto-insular cortex in switching between central-executive and default-mode networks. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 12569-12574.	7.1	2,367
7	Resting-State Functional Connectivity in Major Depression: Abnormally Increased Contributions from Subgenual Cingulate Cortex and Thalamus. Biological Psychiatry, 2007, 62, 429-437.	1.3	1,979
8	Large-scale brain networks in cognition: emerging methods and principles. Trends in Cognitive Sciences, 2010, 14, 277-290.	7.8	1,953
9	Resting-State Functional Connectivity Reflects Structural Connectivity in the Default Mode Network. Cerebral Cortex, 2009, 19, 72-78.	2.9	1,915
10	Network Analysis of Intrinsic Functional Brain Connectivity in Alzheimer's Disease. PLoS Computational Biology, 2008, 4, e1000100.	3.2	995
11	Distinct Cerebellar Contributions to Intrinsic Connectivity Networks. Journal of Neuroscience, 2009, 29, 8586-8594.	3.6	934
12	The rewards of music listening: Response and physiological connectivity of the mesolimbic system. NeuroImage, 2005, 28, 175-184.	4.2	801
13	White Matter Development During Childhood and Adolescence: A Cross-sectional Diffusion Tensor Imaging Study. Cerebral Cortex, 2005, 15, 1848-1854.	2.9	730
14	Development of Large-Scale Functional Brain Networks in Children. PLoS Biology, 2009, 7, e1000157.	5.6	724
15	Default-Mode Activity during a Passive Sensory Task: Uncoupled from Deactivation but Impacting Activation. Journal of Cognitive Neuroscience, 2004, 16, 1484-1492.	2.3	629
16	Disrupted Amygdalar Subregion Functional Connectivity and Evidence of a Compensatory Network in Generalized Anxiety Disorder. Archives of General Psychiatry, 2009, 66, 1361.	12.3	554
17	Salience Network-Based Classification and Prediction of Symptom Severity in Children With Autism. JAMA Psychiatry, 2013, 70, 869.	11.0	510
18	Persistent default-mode network connectivity during light sedation. Human Brain Mapping, 2008, 29, 839-847.	3.6	502

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19	A Developmental fMRI Study of the Stroop Color-Word Task. <i>NeuroImage</i> , 2002, 16, 61-75.	4.2	490
20	Maturation of Brain Function Associated With Response Inhibition. <i>Journal of the American Academy of Child and Adolescent Psychiatry</i> , 2002, 41, 1231-1238.	0.5	479
21	Failure of Anterior Cingulate Activation and Connectivity With the Amygdala During Implicit Regulation of Emotional Processing in Generalized Anxiety Disorder. <i>American Journal of Psychiatry</i> , 2010, 167, 545-554.	7.2	458
22	Development of functional and structural connectivity within the default mode network in young children. <i>NeuroImage</i> , 2010, 52, 290-301.	4.2	455
23	Dynamic Reconfiguration of Structural and Functional Connectivity Across Core Neurocognitive Brain Networks with Development. <i>Journal of Neuroscience</i> , 2011, 31, 18578-18589.	3.6	449
24	Brain Hyperconnectivity in Children with Autism and its Links to Social Deficits. <i>Cell Reports</i> , 2013, 5, 738-747.	6.4	439
25	Reconceptualizing functional brain connectivity in autism from a developmental perspective. <i>Frontiers in Human Neuroscience</i> , 2013, 7, 458.	2.0	418
26	At the heart of the ventral attention system: The right anterior insula. <i>Human Brain Mapping</i> , 2009, 30, 2530-2541.	3.6	415
27	Dissociable Connectivity within Human Angular Gyrus and Intraparietal Sulcus: Evidence from Functional and Structural Connectivity. <i>Cerebral Cortex</i> , 2010, 20, 2636-2646.	2.9	409
28	Distinct Global Brain Dynamics and Spatiotemporal Organization of the Salience Network. <i>PLoS Biology</i> , 2016, 14, e1002469.	5.6	388
29	Dissociating Prefrontal and Parietal Cortex Activation during Arithmetic Processing. <i>NeuroImage</i> , 2000, 12, 357-365.	4.2	375
30	Default mode network abnormalities in bipolar disorder and schizophrenia. <i>Psychiatry Research - Neuroimaging</i> , 2010, 183, 59-68.	1.8	367
31	The anterior insula in autism: Under-connected and under-examined. <i>Neuroscience and Biobehavioral Reviews</i> , 2009, 33, 1198-1203.	6.1	353
32	Typical and atypical development of functional human brain networks: insights from resting-state fMRI. <i>Frontiers in Systems Neuroscience</i> , 2010, 4, 21.	2.5	298
33	Default Mode Network in Childhood Autism: Posteromedial Cortex Heterogeneity and Relationship with Social Deficits. <i>Biological Psychiatry</i> , 2013, 74, 212-219.	1.3	295
34	Musical structure is processed in "language" areas of the brain: a possible role for Brodmann Area 47 in temporal coherence. <i>NeuroImage</i> , 2003, 20, 2142-2152.	4.2	278
35	Developmental pathways to functional brain networks: emerging principles. <i>Trends in Cognitive Sciences</i> , 2013, 17, 627-640.	7.8	276
36	Dissociable Roles of Right Inferior Frontal Cortex and Anterior Insula in Inhibitory Control: Evidence from Intrinsic and Task-Related Functional Parcellation, Connectivity, and Response Profile Analyses across Multiple Datasets. <i>Journal of Neuroscience</i> , 2014, 34, 14652-14667.	3.6	265

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37	ICA-based procedures for removing ballistocardiogram artifacts from EEG data acquired in the MRI scanner. <i>NeuroImage</i> , 2005, 24, 50-60.	4.2	253
38	Sparse logistic regression for whole-brain classification of fMRI data. <i>NeuroImage</i> , 2010, 51, 752-764.	4.2	242
39	Event-Related fMRI Evidence of Frontotemporal Involvement in Aberrant Response Inhibition and Task Switching in Attention-Deficit/Hyperactivity Disorder. <i>Journal of the American Academy of Child and Adolescent Psychiatry</i> , 2004, 43, 1430-1440.	0.5	227
40	Amygdala Subregional Structure and Intrinsic Functional Connectivity Predicts Individual Differences in Anxiety During Early Childhood. <i>Biological Psychiatry</i> , 2014, 75, 892-900.	1.3	221
41	Neural predictors of individual differences in response to math tutoring in primary-grade school children. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 8230-8235.	7.1	220
42	The Neurodevelopmental Basis of Math Anxiety. <i>Psychological Science</i> , 2012, 23, 492-501.	3.3	216
43	Hippocampal-neocortical functional reorganization underlies children's cognitive development. <i>Nature Neuroscience</i> , 2014, 17, 1263-1269.	14.8	214
44	Reorganization of Frontal Systems Used by Alcoholics for Spatial Working Memory: An fMRI Study. <i>NeuroImage</i> , 2001, 14, 7-20.	4.2	209
45	Modality effects in verbal working memory: differential prefrontal and parietal responses to auditory and visual stimuli. <i>NeuroImage</i> , 2004, 21, 340-351.	4.2	209
46	Underconnectivity between voice-selective cortex and reward circuitry in children with autism. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 12060-12065.	7.1	205
47	The Default Mode Network in Autism. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2017, 2, 476-486.	1.5	201
48	Differential contribution of specific working memory components to mathematics achievement in 2nd and 3rd graders. <i>Learning and Individual Differences</i> , 2010, 20, 101-109.	2.7	200
49	Regional analysis of hippocampal activation during memory encoding and retrieval: fMRI study. <i>Hippocampus</i> , 2003, 13, 164-174.	1.9	198
50	Estimation of functional connectivity in fMRI data using stability selection-based sparse partial correlation with elastic net penalty. <i>NeuroImage</i> , 2012, 59, 3852-3861.	4.2	187
51	Math Anxiety in Second and Third Graders and Its Relation to Mathematics Achievement. <i>Frontiers in Psychology</i> , 2012, 3, 162.	2.1	172
52	Emotional Attribution in High-Functioning Individuals With Autistic Spectrum Disorder: A Functional Imaging Study. <i>Journal of the American Academy of Child and Adolescent Psychiatry</i> , 2004, 43, 473-480.	0.5	171
53	Neuroanatomical correlates of developmental dyscalculia: combined evidence from morphometry and tractography. <i>Frontiers in Human Neuroscience</i> , 2009, 3, 51.	2.0	167
54	The role of PFC networks in cognitive control and executive function. <i>Neuropsychopharmacology</i> , 2022, 47, 90-103.	5.4	166

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55	Multivariate Searchlight Classification of Structural Magnetic Resonance Imaging in Children and Adolescents with Autism. <i>Biological Psychiatry</i> , 2011, 70, 833-841.	1.3	165
56	Posttraumatic stress symptoms and brain function during a response-inhibition task: an fMRI study in youth. <i>Depression and Anxiety</i> , 2008, 25, 514-526.	4.1	157
57	Functional Neuroanatomy of Auditory Working Memory in Schizophrenia: Relation to Positive and Negative Symptoms. <i>NeuroImage</i> , 2001, 13, 433-446.	4.2	150
58	Neural Dynamics of Event Segmentation in Music: Converging Evidence for Dissociable Ventral and Dorsal Networks. <i>Neuron</i> , 2007, 55, 521-532.	8.1	149
59	Temporal dynamics of basal ganglia response and connectivity during verbal working memory. <i>NeuroImage</i> , 2007, 34, 1253-1269.	4.2	149
60	Converging evidence for abnormalities of the prefrontal cortex and evaluation of midsagittal structures in pediatric posttraumatic stress disorder: An MRI study. <i>Psychiatry Research - Neuroimaging</i> , 2009, 172, 226-234.	1.8	142
61	Dysregulated Brain Dynamics in a Triple-Network Saliency Model of Schizophrenia and Its Relation to Psychosis. <i>Biological Psychiatry</i> , 2019, 85, 60-69.	1.3	141
62	Parietal Attentional System Aberrations During Target Detection in Adolescents With Attention Deficit Hyperactivity Disorder: Event-Related fMRI Evidence. <i>American Journal of Psychiatry</i> , 2006, 163, 1033-1043.	7.2	140
63	Remediation of Childhood Math Anxiety and Associated Neural Circuits through Cognitive Tutoring. <i>Journal of Neuroscience</i> , 2015, 35, 12574-12583.	3.6	130
64	Decoding Temporal Structure in Music and Speech Relies on Shared Brain Resources but Elicits Different Fine-Scale Spatial Patterns. <i>Cerebral Cortex</i> , 2011, 21, 1507-1518.	2.9	129
65	What difference does a year of schooling make?. <i>NeuroImage</i> , 2011, 57, 796-808.	4.2	128
66	Neural Correlates of Auditory Perception in Williams Syndrome: An fMRI Study. <i>NeuroImage</i> , 2003, 18, 74-82.	4.2	126
67	Functional brain activation during arithmetic processing in females with fragile X syndrome is related to FMR1 protein expression. <i>Human Brain Mapping</i> , 2002, 16, 206-218.	3.6	125
68	Gender differences in the functional and structural neuroanatomy of mathematical cognition. <i>NeuroImage</i> , 2009, 47, 342-352.	4.2	125
69	A cross-modal system linking primary auditory and visual cortices: Evidence from intrinsic fMRI connectivity analysis. <i>Human Brain Mapping</i> , 2008, 29, 848-857.	3.6	123
70	Multivariate dynamical systems models for estimating causal interactions in fMRI. <i>NeuroImage</i> , 2011, 54, 807-823.	4.2	123
71	Uncovering hidden brain state dynamics that regulate performance and decision-making during cognition. <i>Nature Communications</i> , 2018, 9, 2505.	12.8	123
72	Investigation of White Matter Structure in Velocardiofacial Syndrome: A Diffusion Tensor Imaging Study. <i>American Journal of Psychiatry</i> , 2003, 160, 1863-1869.	7.2	122

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73	Differential electrophysiological response during rest, self-referential, and nonâ€‘self-referential tasks in human posteromedial cortex. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 3023-3028.	7.1	121
74	Developmental Maturation of Dynamic Causal Control Signals in Higher-Order Cognition: A Neurocognitive Network Model. PLoS Computational Biology, 2012, 8, e1002374.	3.2	121
75	Causal Interactions Within a Frontal-Cingulate-Parietal Network During Cognitive Control: Convergent Evidence from a Multisiteâ€‘Multitask Investigation. Cerebral Cortex, 2016, 26, 2140-2153.	2.9	120
76	White matter tract alterations in fragile X syndrome: Preliminary evidence from diffusion tensor imaging. American Journal of Medical Genetics Part A, 2003, 118B, 81-88.	2.4	118
77	Immature integration and segregation of emotion-related brain circuitry in young children. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 7941-7946.	7.1	118
78	Functional dissociations between four basic arithmetic operations in the human posterior parietal cortex: A cytoarchitectonic mapping study. Neuropsychologia, 2011, 49, 2592-2608.	1.6	117
79	Visuoâ€‘spatial working memory is an important source of domain-general vulnerability in the development of arithmetic cognition. Neuropsychologia, 2013, 51, 2305-2317.	1.6	115
80	Weak task-related modulation and stimulus representations during arithmetic problem solving in children with developmental dyscalculia. Developmental Cognitive Neuroscience, 2012, 2, S152-S166.	4.0	113
81	Functional neuroanatomy of visuoâ€‘spatial working memory in turner syndrome. Human Brain Mapping, 2001, 14, 96-107.	3.6	112
82	Interâ€‘subject synchronization of brain responses during natural music listening. European Journal of Neuroscience, 2013, 37, 1458-1469.	2.6	111
83	Brain hyperâ€‘connectivity and operationâ€‘specific deficits during arithmetic problem solving in children with developmental dyscalculia. Developmental Science, 2015, 18, 351-372.	2.4	111
84	Neurobiological Underpinnings of Math and Reading Learning Disabilities. Journal of Learning Disabilities, 2013, 46, 549-569.	2.2	110
85	Functional Brain Basis of Hypnotizability. Archives of General Psychiatry, 2012, 69, 1064.	12.3	108
86	Multiple components of developmental dyscalculia. Trends in Neuroscience and Education, 2013, 2, 43-47.	3.1	108
87	Hippocampalâ€‘Prefrontal Engagement and Dynamic Causal Interactions in the Maturation of Children's Fact Retrieval. Journal of Cognitive Neuroscience, 2012, 24, 1849-1866.	2.3	107
88	Musical rhythm spectra from Bach to Joplin obey a $1/f$ power law. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 3716-3720.	7.1	107
89	Sex differences in structural organization of motor systems and their dissociable links with repetitive/restricted behaviors in children with autism. Molecular Autism, 2015, 6, 50.	4.9	106
90	Cognitive tutoring induces widespread neuroplasticity and remediates brain function in children with mathematical learning disabilities. Nature Communications, 2015, 6, 8453.	12.8	104

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91	Brain State Differentiation and Behavioral Inflexibility in Autism. <i>Cerebral Cortex</i> , 2015, 25, 4740-4747.	2.9	104
92	Combining fMRI with EEG and MEG in order to relate patterns of brain activity to cognition. <i>International Journal of Psychophysiology</i> , 2009, 73, 43-52.	1.0	103
93	Brain Organization Underlying Superior Mathematical Abilities in Children with Autism. <i>Biological Psychiatry</i> , 2014, 75, 223-230.	1.3	99
94	Arithmetic ability and parietal alterations: A diffusion tensor imaging study in Velocardiofacial syndrome. <i>Cognitive Brain Research</i> , 2005, 25, 735-740.	3.0	97
95	Functional Magnetic Resonance Imaging Evidence for Disrupted Basal Ganglia Function in Schizophrenia. <i>American Journal of Psychiatry</i> , 2001, 158, 646-649.	7.2	93
96	The visual word form area (VWFA) is part of both language and attention circuitry. <i>Nature Communications</i> , 2019, 10, 5601.	12.8	88
97	Functional Neuroanatomy of Spatial Orientation Processing in Turner Syndrome. <i>Cerebral Cortex</i> , 2004, 14, 174-180.	2.9	85
98	How does a child solve 7+8? Decoding brain activity patterns associated with counting and retrieval strategies. <i>Developmental Science</i> , 2011, 14, 989-1001.	2.4	85
99	Brain Structural Integrity and Intrinsic Functional Connectivity Forecast 6 Year Longitudinal Growth in Children's Numerical Abilities. <i>Journal of Neuroscience</i> , 2015, 35, 11743-11750.	3.6	85
100	Insula response and connectivity during social and non-social attention in children with autism. <i>Social Cognitive and Affective Neuroscience</i> , 2016, 11, 433-444.	3.0	80
101	Mathematics Achievement and Anxiety and Their Relation to Internalizing and Externalizing Behaviors. <i>Journal of Learning Disabilities</i> , 2014, 47, 503-514.	2.2	78
102	Sex differences in cortical volume and gyrification in autism. <i>Molecular Autism</i> , 2015, 6, 42.	4.9	75
103	Deficits in mesolimbic reward pathway underlie social interaction impairments in children with autism. <i>Brain</i> , 2018, 141, 2795-2805.	7.6	73
104	Functional brain imaging study of mathematical reasoning abilities in velocardiofacial syndrome (deletion 22q11.2). <i>Genetics in Medicine</i> , 2001, 3, 49-55.	2.4	72
105	Prefrontal cortex involvement in processing incorrect arithmetic equations: Evidence from event-related fMRI. <i>Human Brain Mapping</i> , 2002, 16, 119-130.	3.6	72
106	Working memory in children's math learning and its disruption in dyscalculia. <i>Current Opinion in Behavioral Sciences</i> , 2016, 10, 125-132.	3.9	71
107	Positive Attitude Toward Math Supports Early Academic Success: Behavioral Evidence and Neurocognitive Mechanisms. <i>Psychological Science</i> , 2018, 29, 390-402.	3.3	70
108	Temporal Dynamics and Developmental Maturation of Salience, Default and Central-Executive Network Interactions Revealed by Variational Bayes Hidden Markov Modeling. <i>PLoS Computational Biology</i> , 2016, 12, e1005138.	3.2	70

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109	Large-scale intrinsic functional network organization along the long axis of the human medial temporal lobe. <i>Brain Structure and Function</i> , 2016, 221, 3237-3258.	2.3	68
110	fMRI Study of Cognitive Interference Processing in Females with Fragile X Syndrome. <i>Journal of Cognitive Neuroscience</i> , 2002, 14, 160-171.	2.3	67
111	Combined EEG and fMRI Studies of Human Brain Function. <i>International Review of Neurobiology</i> , 2005, 66, 291-321.	2.0	67
112	Developmental cognitive neuroscience of arithmetic: implications for learning and education. <i>ZDM - International Journal on Mathematics Education</i> , 2010, 42, 515-525.	2.2	67
113	Neurofunctional Differences Associated with Arithmetic Processing in Turner Syndrome. <i>Cerebral Cortex</i> , 2006, 16, 849-856.	2.9	66
114	The influence of sex and age on prevalence rates of comorbid conditions in autism. <i>Autism Research</i> , 2017, 10, 778-789.	3.8	66
115	mTOR-related synaptic pathology causes autism spectrum disorder-associated functional hyperconnectivity. <i>Nature Communications</i> , 2021, 12, 6084.	12.8	66
116	Deficits in multiple systems of working memory in schizophrenia. <i>Schizophrenia Research</i> , 1997, 27, 1-10.	2.0	62
117	Compensatory neural mechanisms in cognitively unimpaired <scp>Parkinson disease. <i>Annals of Neurology</i> , 2016, 79, 448-463.	5.3	62
118	Standardized Assessment of Strategy Use and Working Memory in Early Mental Arithmetic Performance. <i>Developmental Neuropsychology</i> , 2008, 33, 365-393.	1.4	60
119	Combining optogenetic stimulation and fMRI to validate a multivariate dynamical systems model for estimating causal brain interactions. <i>NeuroImage</i> , 2016, 132, 398-405.	4.2	60
120	Role of the anterior insular cortex in integrative causal signaling during multisensory auditory-visual attention. <i>European Journal of Neuroscience</i> , 2015, 41, 264-274.	2.6	59
121	Parietal hyperconnectivity, aberrant brain organization, and circuit-based biomarkers in children with mathematical disabilities. <i>Developmental Science</i> , 2016, 19, 613-631.	2.4	58
122	Abnormal prefrontal cortex function during response inhibition in turner syndrome: functional magnetic resonance imaging evidence. <i>Biological Psychiatry</i> , 2003, 53, 107-111.	1.3	56
123	A parcellation scheme based on von Mises-Fisher distributions and Markov random fields for segmenting brain regions using resting-state fMRI. <i>NeuroImage</i> , 2013, 65, 83-96.	4.2	53
124	Microstructural organization of human insula is linked to its macrofunctional circuitry and predicts cognitive control. <i>ELife</i> , 2020, 9, .	6.0	52
125	Plasticity of left perisylvian white-matter tracts is associated with individual differences in math learning. <i>Brain Structure and Function</i> , 2016, 221, 1337-1351.	2.3	49
126	Mechanisms of interactive specialization and emergence of functional brain circuits supporting cognitive development in children. <i>Npj Science of Learning</i> , 2018, 3, 1.	2.8	49

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127	Inhibition-related modulation of salience and frontoparietal networks predicts cognitive control ability and inattention symptoms in children with ADHD. <i>Molecular Psychiatry</i> , 2021, 26, 4016-4025.	7.9	48
128	Neural circuits underlying mother's voice perception predict social communication abilities in children. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 6295-6300.	7.1	47
129	Multivariate Activation and Connectivity Patterns Discriminate Speech Intelligibility in Wernicke's, Broca's, and Geschwind's Areas. <i>Cerebral Cortex</i> , 2013, 23, 1703-1714.	2.9	46
130	Fractionating the neural correlates of individual working memory components underlying arithmetic problem solving skills in children. <i>Developmental Cognitive Neuroscience</i> , 2013, 6, 162-175.	4.0	45
131	Functional brain activation during cognition is related to FMR1 gene expression. <i>Brain Research</i> , 2000, 877, 367-370.	2.2	43
132	The Neural Locus of Temporal Structure and Expectancies in Music: Evidence From Functional Neuroimaging At 3 Tesla. <i>Music Perception</i> , 2005, 22, 563-575.	1.1	42
133	Relating semantic and episodic memory systems. <i>Cognitive Brain Research</i> , 2002, 13, 261-265.	3.0	41
134	Bayesian switching factor analysis for estimating time-varying functional connectivity in fMRI. <i>NeuroImage</i> , 2017, 155, 271-290.	4.2	41
135	Brain networks and cognitive impairment in psychiatric disorders. <i>World Psychiatry</i> , 2020, 19, 309-310.	10.4	41
136	Reduced parietal and visual cortical activation during global processing in Williams syndrome. <i>Developmental Medicine and Child Neurology</i> , 2007, 49, 433-438.	2.1	40
137	Heterogeneous and nonlinear development of human posterior parietal cortex function. <i>NeuroImage</i> , 2016, 126, 184-195.	4.2	39
138	Aberrant Time-Varying Cross-Network Interactions in Children With Attention-Deficit/Hyperactivity Disorder and the Relation to Attention Deficits. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2018, 3, 263-273.	1.5	39
139	Quantitative Analysis of Heterogeneity in Academic Achievement of Children With Autism. <i>Clinical Psychological Science</i> , 2019, 7, 362-380.	4.0	37
140	Dynamic causal brain circuits during working memory and their functional controllability. <i>Nature Communications</i> , 2021, 12, 3314.	12.8	37
141	Amygdalar Activation Associated With Happy Facial Expressions in Adolescents: A 3-T Functional MRI Study. <i>Journal of the American Academy of Child and Adolescent Psychiatry</i> , 2003, 42, 979-985.	0.5	36
142	Hippocampal involvement in detection of deviant auditory and visual stimuli. <i>Hippocampus</i> , 2005, 15, 132-139.	1.9	34
143	The Triple Network Model, Insight, and Large-Scale Brain Organization in Autism. <i>Biological Psychiatry</i> , 2018, 84, 236-238.	1.3	34
144	Reduced basal forebrain and hippocampal activation during memory encoding in girls with fragile X syndrome. <i>NeuroReport</i> , 2004, 15, 1579-1583.	1.2	33

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145	Reconfiguration of parietal circuits with cognitive tutoring in elementary school children. <i>Cortex</i> , 2016, 83, 231-245.	2.4	33
146	Development of Human Emotion Circuits Investigated Using a Big-Data Analytic Approach: Stability, Reliability, and Robustness. <i>Journal of Neuroscience</i> , 2019, 39, 7155-7172.	3.6	32
147	Spatiotemporal Integrity and Spontaneous Nonlinear Dynamic Properties of the Salience Network Revealed by Human Intracranial Electrophysiology: A Multicohort Replication. <i>Cerebral Cortex</i> , 2020, 30, 5309-5321.	2.9	30
148	Development and validation of consensus clustering-based framework for brain segmentation using resting fMRI. <i>Journal of Neuroscience Methods</i> , 2015, 240, 128-140.	2.5	29
149	Hyperdirect insula-basal-ganglia pathway and adult-like maturity of global brain responses predict inhibitory control in children. <i>Nature Communications</i> , 2019, 10, 4798.	12.8	29
150	Short-term cognitive training recapitulates hippocampal functional changes associated with one year of longitudinal skill development. <i>Trends in Neuroscience and Education</i> , 2018, 10, 19-29.	3.1	28
151	Neural Basis of Repetition Priming during Mathematical Cognition: Repetition Suppression or Repetition Enhancement?. <i>Journal of Cognitive Neuroscience</i> , 2010, 22, 790-805.	2.3	26
152	Distinct influences of affective and cognitive factors on children's non-verbal and verbal mathematical abilities. <i>Cognition</i> , 2017, 166, 118-129.	2.2	26
153	Beyond Natural Numbers: Negative Number Representation in Parietal Cortex. <i>Frontiers in Human Neuroscience</i> , 2012, 6, 7.	2.0	24
154	Dissociable Fronto-Operculum-Insula Control Signals for Anticipation and Detection of Inhibitory Sensory Cue. <i>Cerebral Cortex</i> , 2017, 27, 4073-4082.	2.9	24
155	Impaired voice processing in reward and salience circuits predicts social communication in children with autism. <i>ELife</i> , 2019, 8, .	6.0	24
156	Development, validation, and comparison of ICA-based gradient artifact reduction algorithms for simultaneous EEG-spiral in/out and echo-planar fMRI recordings. <i>NeuroImage</i> , 2009, 48, 348-361.	4.2	23
157	Deep learning identifies robust gender differences in functional brain organization and their dissociable links to clinical symptoms in autism. <i>British Journal of Psychiatry</i> , 2022, 220, 202-209.	2.8	23
158	Multivariate dynamical systems-based estimation of causal brain interactions in fMRI: Group-level validation using benchmark data, neurophysiological models and human connectome project data. <i>Journal of Neuroscience Methods</i> , 2016, 268, 142-153.	2.5	21
159	Anxiety and Stress Alter Decision-Making Dynamics and Causal Amygdala-Dorsolateral Prefrontal Cortex Circuits During Emotion Regulation in Children. <i>Biological Psychiatry</i> , 2020, 88, 576-586.	1.3	21
160	Neural signatures of co-occurring reading and mathematical difficulties. <i>Developmental Science</i> , 2018, 21, e12680.	2.4	19
161	Latent brain state dynamics distinguish behavioral variability, impaired decision-making, and inattention. <i>Molecular Psychiatry</i> , 2021, 26, 4944-4957.	7.9	19
162	Aberrant dynamics of cognitive control and motor circuits predict distinct restricted and repetitive behaviors in children with autism. <i>Nature Communications</i> , 2021, 12, 3537.	12.8	18

#	ARTICLE	IF	CITATIONS
163	Electrophysiological foundations of the human default-mode network revealed by intracranial-EEG recordings during resting-state and cognition. <i>NeuroImage</i> , 2022, 250, 118927.	4.2	18
164	Development of common neural representations for distinct numerical problems. <i>Neuropsychologia</i> , 2015, 75, 481-495.	1.6	17
165	Faster learners transfer their knowledge better: Behavioral, mnemonic, and neural mechanisms of individual differences in children's learning. <i>Developmental Cognitive Neuroscience</i> , 2019, 40, 100719.	4.0	17
166	Emerging neurodevelopmental perspectives on mathematical learning. <i>Developmental Review</i> , 2021, 60, 100964.	4.7	17
167	Estimation of resting-state functional connectivity using random subspace based partial correlation: A novel method for reducing global artifacts. <i>NeuroImage</i> , 2013, 82, 87-100.	4.2	16
168	Long-term effects of intermittent early life stress on primate prefrontal-subcortical functional connectivity. <i>Neuropsychopharmacology</i> , 2021, 46, 1348-1356.	5.4	16
169	Asymmetric Frequency-Specific Feedforward and Feedback Information Flow between Hippocampus and Prefrontal Cortex during Verbal Memory Encoding and Recall. <i>Journal of Neuroscience</i> , 2021, 41, 8427-8440.	3.6	16
170	Symbolic, numeric, and magnitude representations in the parietal cortex. <i>Behavioral and Brain Sciences</i> , 2009, 32, 350-351.	0.7	13
171	Introduction to special topic "Resting-state brain activity: implications for systems neuroscience. <i>Frontiers in Systems Neuroscience</i> , 2010, 4, .	2.5	13
172	Dopamine-related dissociation of cortical and subcortical brain activations in cognitively unimpaired Parkinson's disease patients OFF and ON medications. <i>Neuropsychologia</i> , 2018, 119, 24-33.	1.6	12
173	Distinctive Role of Symbolic Number Sense in Mediating the Mathematical Abilities of Children with Autism. <i>Journal of Autism and Developmental Disorders</i> , 2016, 46, 1268-1281.	2.7	11
174	Robust, Generalizable, and Interpretable Artificial Intelligence-Derived Brain Fingerprints of Autism and Social Communication Symptom Severity. <i>Biological Psychiatry</i> , 2022, 92, 643-653.	1.3	11
175	Intrinsic functional architecture of the human speech processing network. <i>Cortex</i> , 2020, 129, 41-56.	2.4	10
176	Latent brain state dynamics and cognitive flexibility in older adults. <i>Progress in Neurobiology</i> , 2022, 208, 102180.	5.7	10
177	A Neurodevelopmental Shift in Reward Circuitry from Mother's to Nonfamilial Voices in Adolescence. <i>Journal of Neuroscience</i> , 2022, 42, 4164-4173.	3.6	10
178	Methylphenidate remediates aberrant brain network dynamics in children with attention-deficit/hyperactivity disorder: A randomized controlled trial. <i>NeuroImage</i> , 2022, 257, 119332.	4.2	9
179	Neural representational similarity between symbolic and non-symbolic quantities predicts arithmetic skills in childhood but not adolescence. <i>Developmental Science</i> , 2021, 24, e13123.	2.4	8
180	Causal dynamics and information flow in parietal-temporal-hippocampal circuits during mental arithmetic revealed by high-temporal resolution human intracranial EEG. <i>Cortex</i> , 2022, 147, 24-40.	2.4	8

#	ARTICLE	IF	CITATIONS
181	Systems Neuroscience of Mathematical Cognition and Learning. , 2018, , 287-336.		7
182	Linear and nonlinear profiles of weak behavioral and neural differentiation between numerical operations in children with math learning difficulties. Neuropsychologia, 2021, 160, 107977.	1.6	7
183	Replicable patterns of causal information flow between hippocampus and prefrontal cortex during spatial navigation and spatialâ€“verbal memory formation. Cerebral Cortex, 2022, 32, 5343-5361.	2.9	7
184	Neurocognitive modeling of latent memory processes reveals reorganization of hippocampal-cortical circuits underlying learning and efficient strategies. Communications Biology, 2021, 4, 405.	4.4	6
185	F56. Task-Evoked Effective Connectivity in Salience and Central Executive Networks Predicts Cognitive Control Ability and Inattention Symptoms in Children With ADHD. Biological Psychiatry, 2019, 85, S234-S235.	1.3	5
186	Dopaminergic medication normalizes aberrant cognitive control circuit signalling in Parkinsonâ€™s disease. Brain, 2022, 145, 4042-4055.	7.6	5
187	Foundational Number Sense Training Gains Are Predicted by Hippocampalâ€“Parietal Circuits. Journal of Neuroscience, 2022, 42, 4000-4015.	3.6	5
188	Dissociation by Network Integration. American Journal of Psychiatry, 2021, 178, 110-112.	7.2	4
189	Time-Varying Functional Connectivity Decreases as a Function of Acute Nicotine Abstinence. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2021, 6, 459-469.	1.5	3
190	Neural decoding of emotional prosody in voice-sensitive auditory cortex predicts social communication abilities in children. Cerebral Cortex, 2023, 33, 709-728.	2.9	2
191	A Neurodevelopmental Perspective on the Role of Memory Systems in Childrenâ€™s Math Learning. , 2016, , 79-107.		1
192	Systems neuroscience. , 0, , 845-851.		0
193	Mothers adapt their voice during childrenâ€™s adolescent development. Scientific Reports, 2022, 12, 951.	3.3	0
194	Developmental Maturation of Causal Signaling Hubs in Voluntary Control of Saccades and Their Functional Controllability. Cerebral Cortex, 2022, , .	2.9	0
195	A call for comparing theories of consciousness and data sharing. Behavioral and Brain Sciences, 2022, 45, e47.	0.7	0